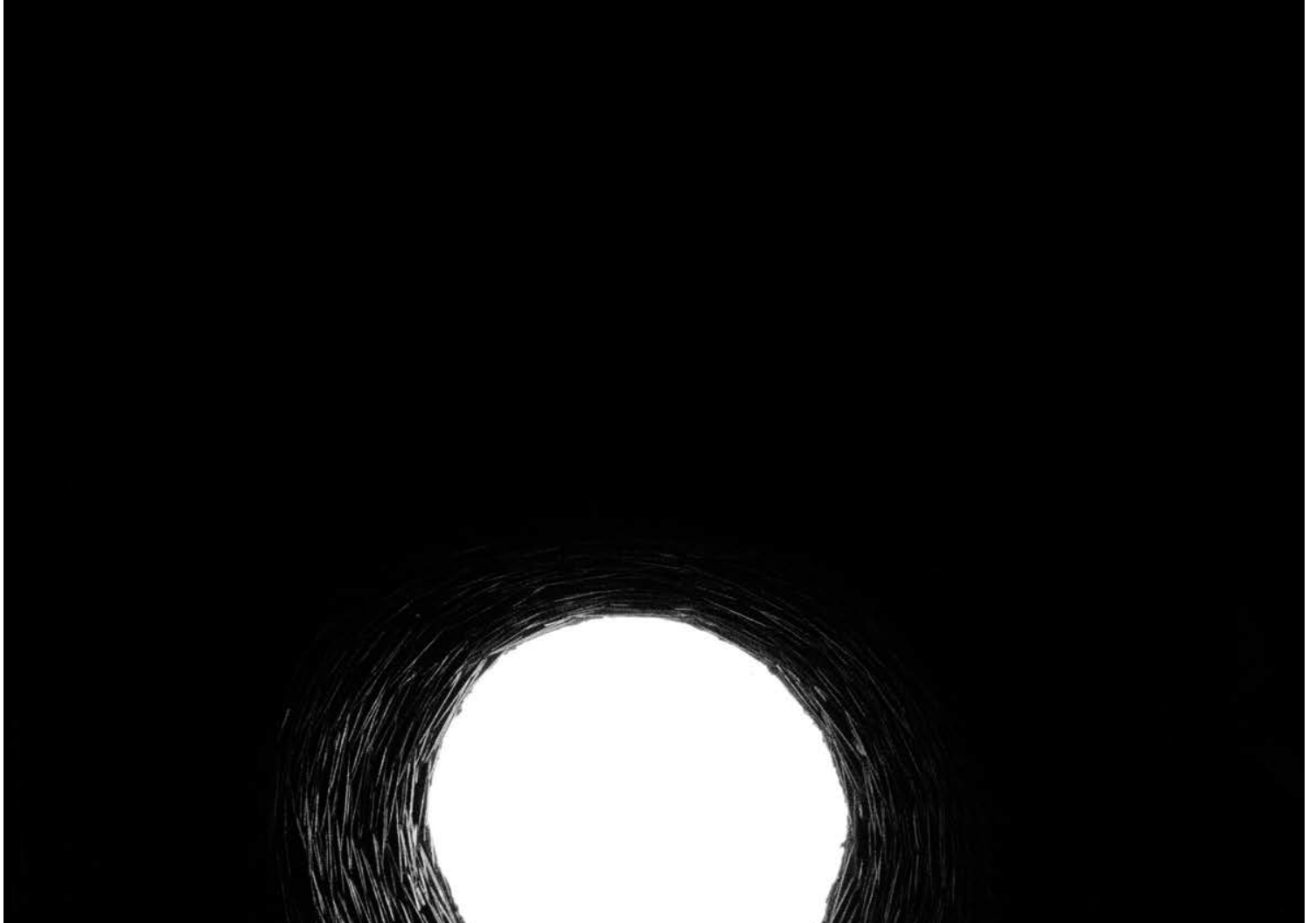


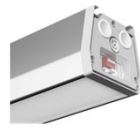


# ASENNUSVALAISIMET GENERAL LIGHTING

SKILUX **VALAISTUS**  

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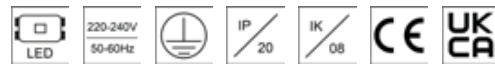
 [www.skilux.fi](http://www.skilux.fi)

|                                                                                        |                                                                                        |                                                                                        |                                                                                          |                                                                                          |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
|  6    |  7    |  8    |  9     |  11   |
|  13   |  15   |  17   |  20    |  22   |
|  25   |  28   |  30   |  33    |  35   |
|  37  |  38  |  41  |  43   |  44  |
|  45 |  46 |  48 |  50  |  52 |
|  54 |  56 |  57 |  58  |  59 |
|  61 |  62 |  63 |  65 |  67 |
|  4  |  69 |  70 |  71  |  73 |

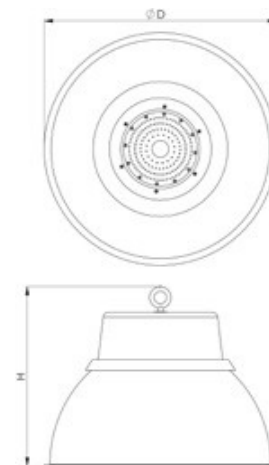
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |
|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 75<br> | 77<br> | 79<br> | 80<br> | 81<br> |
| 83<br> | 84<br> | 86<br> | 87<br> |                                                                                           |
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |
|                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           |

## FLICKER A LED

### High-bays



|                      |                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Suspended low-bay LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> prismatic polycarbonate reflector and lenses<br><b>Housing:</b> aluminium<br><b>Colour:</b> dark grey, RAL7043                                                       |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 50-60Hz<br><b>LED lifetime, h:</b> 100000/L80B50<br><b>SDCM:</b> 4<br><b>Protection class IEC:</b> I<br><b>Ingress protection code:</b> IP20<br><b>Mechanical impact resistance:</b> IK08<br><b>Operating temperature range, °C:</b> ta 0...+40 |
| <b>INSTALLATION:</b> | Suspended (hook for wire suspension included).<br>Push-in terminal, 3x2x2.5mm²                                                                                                                                                                                                  |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                          |
| <b>APPLICATION:</b>  | Retail, showroom, hall, exhibition, public place                                                                                                                                                                                                                                |



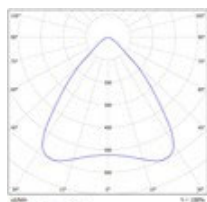
| PRODUCT                        | DIAMETER, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|--------------------------------|--------------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| FLICKER A LED1x4200 J608 T840  | 410          | 289        | 4200                  | 27,0             | 156                    | 80+ | 4000    | 2,5        |
| FLICKER A LED1x6000 J609 T840  | 410          | 289        | 6000                  | 39,0             | 154                    | 80+ | 4000    | 2,5        |
| FLICKER A LED1x8400 J610 T840  | 410          | 289        | 8400                  | 55,0             | 153                    | 80+ | 4000    | 2,5        |
| FLICKER A LED1x10800 J611 T840 | 410          | 289        | 10800                 | 71,0             | 152                    | 80+ | 4000    | 2,5        |
| FLICKER A LED1x12600 J612 T840 | 410          | 289        | 12600                 | 82,0             | 154                    | 80+ | 4000    | 2,5        |

\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

### OPTIONS AVAILABLE ON REQUEST:

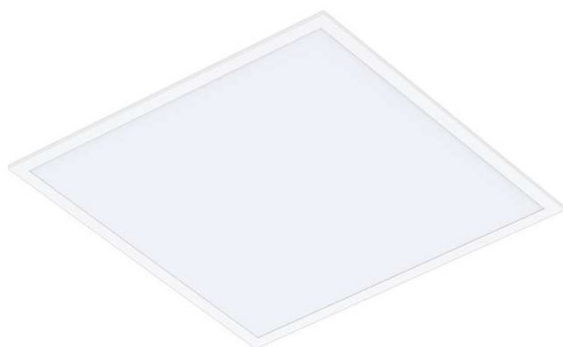
| LED  | CONTROL GEAR | CONNECTION      | COLOUR |
|------|--------------|-----------------|--------|
| T830 | DALI         | CBF3-2.0m clear | RAL    |
| T840 |              | CBF3-3.0m clear |        |
|      |              | CBF5-2.0m clear |        |
|      |              | CBF5-3.0m clear |        |

### STANDARD

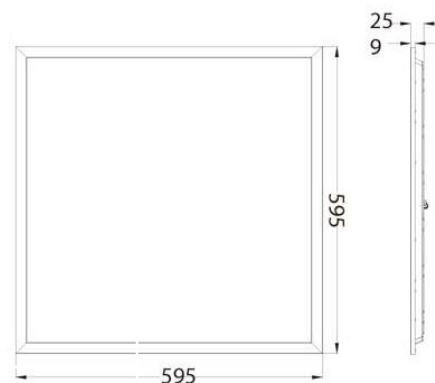




## SOLN POP

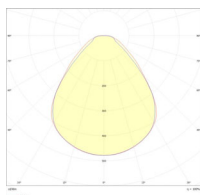


|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | RECESSED LED PANEL<br>LIGHT DISTRIBUTION TYPE: DIRECT                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>GENERAL DATA:</b> | MATERIAL: POWDER PAINTED ALUMINUM,<br>OPAL OR MICROPRISM<br>COLOUR: WHITE (RAL 9016),<br>MAINS VOLTAGE: 220-240V<br>LED LIFETIME, H: 100 000/L80B10<br>COLOR CONSISTENCY: 3-STEP MACADAM<br>WARRANTY : 5 YEARS<br>INGRESS PROTECTION CODE: IP50 / IP20<br>AVAILABLE DRIVERS: ON / OFF, DALI<br>LUMINARE OUTPUT (LM): 2 600 - 5 300<br>SYSTEM POWER (W): 20-40<br>SYSTEM EFFICACY (LM/W) : 130<br>COLOR TEMPERATURE (K) 3000K, 4000K, 5000K |
| <b>INSTALLATION:</b> | ON THE CEILING                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>ENVIRONMENT:</b>  | INDOOR                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>APPLICATION:</b>  | OFFICE, HALL, CORRIDOR, PUBLIC PLACE, SCHOOLS, HOSPITALS                                                                                                                                                                                                                                                                                                                                                                                   |



SUPPLIED WITH ADAPTED OPERATING DEVICE AND CORD WITH CONNECTION BOX FOR 0,75 - 2,5MM<sup>2</sup> CABLE.  
QUICK CONNECTION BETWEEN OPERATING DEVICE AND LIGHT PANEL.  
AVAILABLE IN 6 PACKS

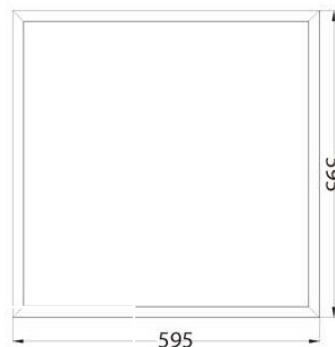
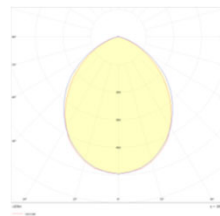
| Product                 | System Power (W)           | System Luminous Flux (lm) | Color temperature (K) | Light distribution angle (°) |
|-------------------------|----------------------------|---------------------------|-----------------------|------------------------------|
| SOLN POP MP 6x6 FLEX 6P | 20- / 25- / 30- / 35- / 40 | 2600 - 5100               | 3000 - 5000           | 90                           |
| SOLN POP MP 6x6 FLEX    | 20- / 25- / 30- / 35- / 40 | 2600 - 5100               | 3000 - 5000           | 90                           |
| SOLN POP OP 6x6 DALI 6P | 39                         | 5000                      | 3000 - 5000           | 120                          |
| SOLN POP OP 6x6 DALI    | 39                         | 5000                      | 3000 - 5000           | 120                          |
| SOLN POP OP 6x6 FLEX 6P | 20- / 25- / 30- / 35- / 40 | 2500 - 4800               | 3000 - 5000           | 120                          |
| SOLN POP OP 6x6 FLEX    | 20- / 25- / 30- / 35- / 40 | 2500 - 4800               | 3000 - 5000           | 120                          |
| SOLN POP MP 6x6 DALI 6P | 39                         | 5300                      | 3000 - 5000           | 90                           |
| SOLN POP MP 6x6 DALI    | 39                         | 5300                      | 3000 - 5000           | 90                           |



# ZENTRA



WHITE (RAL 9016)



73



**DESCRIPTION:** RECESSED LED PANEL  
LIGHT DISTRIBUTION TYPE: DIRECT  
MATERIAL: METAL, ALUMINUM, LAMEL  
COLOUR: WHITE (RAL 9016),  
**GENERAL DATA:** MAINS VOLTAGE: 220-240V  
LED LIFETIME, H: 100 000/L80B10  
COLOR CONSISTENCY: 3-STEP MACADAM  
WARRANTY : 5 YEARS  
INGRESS PROTECTION CODE: IP20  
AVAILABLE DRIVERS: ON / OFF, DALI  
LUMINARE OUTPUT (LM): 1 240 - 2 180  
SYSTEM POWER (W): 12-20  
SYSTEM EFFICACY (LM/W) : 103 - 109  
COLOR TEMPERATURE (K) 3000K, 4000K  
**INSTALLATION:** RECESSED INTO CEILING  
**ENVIRONMENT:** INDOOR  
**APPLICATION:** OFFICE, HALL, CORRIDOR, PUBLIC PLACE, SCHOOLS, HOSPITALS

AVAILABLE IN 600x150 mm, 600x300 mm, 600x600 mm, 1200x150 mm AND 1200x300mm

| Product          | System Power (W) | System Luminous Flux (lm) | Color temperature (K) | Dimensions  |
|------------------|------------------|---------------------------|-----------------------|-------------|
| ZENTRA DA 120x15 | 31               | 3570                      | 4000                  | 1195x145x73 |
| ZENTRA DA 60x60  | 12               | 1240                      | 4000                  | 595x595x73  |
| ZENTRA 60x60     | 20               | 2180                      | 4000                  | 595x595x73  |
| ZENTRA 60x30     | 12               | 1240                      | 4000                  | 595x295x73  |
| ZENTRA 60x30     | 20               | 2180                      | 4000                  | 595x295x73  |
| ZENTRA 60x60     | 12               | 1240                      | 4000                  | 595x595x73  |
| ZENTRA 120x15    | 31               | 3570                      | 4000                  | 1195x145x73 |
| ZENTRA 120x15    | 54               | 6000                      | 4000                  | 1195x145x73 |
| ZENTRA 120x30    | 31               | 3570                      | 4000                  | 1195x295x73 |
| ZENTRA 120x30    | 54               | 6000                      | 4000                  | 1195x295x73 |
| ZENTRA 60x15     | 12               | 1240                      | 4000                  | 595x145x73  |
| ZENTRA 60x15     | 20               | 2180                      | 4000                  | 595x145x73  |
| ZENTRA DA 120x15 | 54               |                           |                       | 1195x145x73 |
| ZENTRA DA 60x15  | 20               |                           |                       | 595x145x73  |
| ZENTRA DA 120x30 | 54               |                           |                       | 1195x295x73 |
| ZENTRA DA 60x30  | 20               |                           |                       | 595x295x73  |
| ZENTRA DA 60x60  | 20               |                           |                       | 595x595x73  |

# HALO POP



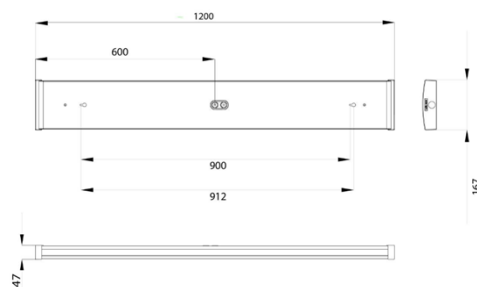
WHITE (RAL 9016)



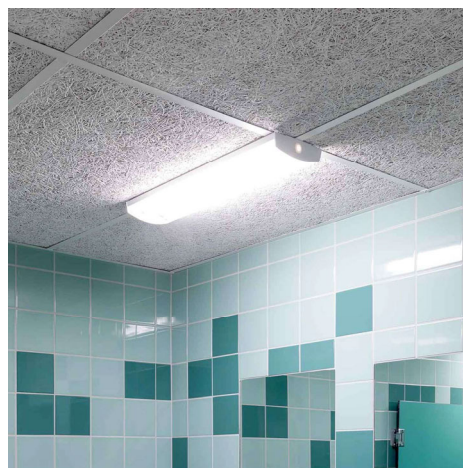
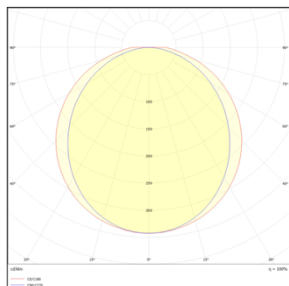
**DESCRIPTION:** RECESSED LED PANEL  
LIGHT DISTRIBUTION TYPE: DIRECT  
MATERIAL: POWDER PAINTED ALUMINUM, OPAL  
COLOUR: WHITE

**GENERAL DATA:** MAINS VOLTAGE: 220-240V  
LED LIFETIME, H: 100 000/L80B10  
COLOR CONSISTENCY: 3-STEP MACADAM  
WARRANTY : 5 WARRANTY  
INGRESS PROTECTION CODE: IP44  
AVAILABLE DRIVERS: ON / OFF, DALI  
LUMINAIRE OUTPUT (LM): 1800 - 6900  
SYSTEM POWER (W): 15-51  
COLOR TEMPERATURE (K) 3000K, 3500K, 4000K

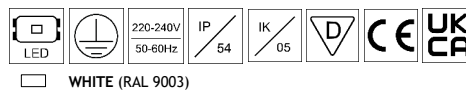
**INSTALLATION:** ON THE CEILING  
**ENVIRONMENT:** INDOOR, WET SPACES



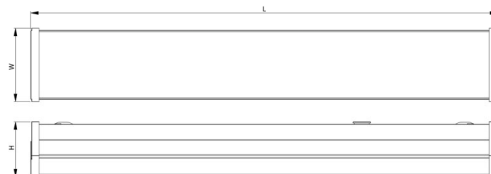
| Product                    | System Power (W) | System Luminous Flux (lm) | Color temperature (K) | Dimensions (PxLxK/S, mm) |
|----------------------------|------------------|---------------------------|-----------------------|--------------------------|
| HALO POP L120 4700lm FX RS | 35               | 2700 - 4900               | 3000 - 4000           | 1200x167x47              |
| HALO POP L120 4700lm FX    | 35               | 2700 - 4900               | 3000 - 4000           | 1200x167x47              |
| HALO POP L60 3200lm FX RS  | 25               | 1800 - 3200               | 3000 - 4000           | 600x167x47               |
| HALO POP L60 3200lm FX     | 25               | 1800 - 3200               | 3000 - 4000           | 600x167x47               |



## CLARITY P



|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Surface mounted led luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> translucent micro-linear polycarbonate<br><b>Diffuser housing:</b> steel<br><b>Colour:</b> white (ral 9003)                                                                                                                                                                                                                                                                                                                                   |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240v, 0/50/60hz<br><b>Led lifetime, h:</b> 100000/l80b10<br><b>Sdcm:</b> 3<br><b>Warranty :</b> 5 warranty<br><b>Protection class iec:</b> i (ii optional)<br><b>Ingress protection code:</b> ip54<br><b>Mechanical impact resistance:</b> ik05<br><b>Protection symbol:</b> d<br><b>Glow wire test, °c:</b> 850<br><b>Operating temperature range, °c:</b> ta -15...+35 (from 0 °c with em3)<br><b>Luminare output (lm):</b> 1399 - 7577<br><b>System power (w):</b> 10,3-48,4<br><b>Color temperature (k)</b> 3000k, 4000k |
| <b>INSTALLATION:</b> | On ceiling or wall. Push-in terminal, 5x2x2.5mm2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>APPLICATION:</b>  | Office, education, hotel, corridor, staircase, Healthcare, bathroom, public place                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |



| Product                            | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| CLARITY P LED1x1500 G444 T830 MPRZ | 615        | 97        | 72         | 1399                  | 10,3             | 136                    | 80+        | 3000    | 1,5        |
| CLARITY P LED1x2050 G445 T830 MPRZ | 615        | 97        | 72         | 1913                  | 13,9             | 138                    | 80+        | 3000    | 1,5        |
| CLARITY P LED1x2700 G446 T830 MPRZ | 615        | 97        | 72         | 2538                  | 18,9             | 134                    | 80+        | 3000    | 1,5        |
| CLARITY P LED1x3050 G447 T830 MPRZ | 615        | 97        | 72         | 2875                  | 20,5             | 140                    | 80+        | 3000    | 1,5        |
| CLARITY P LED1x2750 G448 T830 MPRZ | 1175       | 97        | 72         | 2551                  | 18,3             | 140                    | 80+        | 3000    | 2,3        |
| CLARITY P LED1x3550 G449 T830 MPRZ | 1175       | 97        | 72         | 3327                  | 22,9             | 146                    | 80+        | 3000    | 2,3        |
| CLARITY P LED1x4600 G450 T830 MPRZ | 1175       | 97        | 72         | 4336                  | 30,5             | 142                    | 80+        | 3000    | 2,3        |
| CLARITY P LED1x5400 G451 T830 MPRZ | 1175       | 97        | 72         | 5076                  | 35,2             | 144                    | 80+        | 3000    | 2,3        |
| CLARITY P LED1x6100 G452 T830 MPRZ | 1175       | 97        | 72         | 5751                  | 39,2             | 147                    | 80+        | 3000    | 2,3        |
| CLARITY P LED1x3400 G453 T830 MPRZ | 1455       | 97        | 72         | 3189                  | 22,3             | 143                    | 80+        | 3000    | 2,8        |
| CLARITY P LED1x4400 G454 T830 MPRZ | 1455       | 97        | 72         | 4159                  | 28,6             | 146                    | 80+        | 3000    | 2,8        |
| CLARITY P LED1x5750 G455 T830 MPRZ | 1455       | 97        | 72         | 5419                  | 38,1             | 142                    | 80+        | 3000    | 2,8        |
| CLARITY P LED1x6700 G456 T830 MPRZ | 1455       | 97        | 72         | 6345                  | 42,6             | 149                    | 80+        | 3000    | 2,8        |
| CLARITY P LED1x7600 G457 T830 MPRZ | 1455       | 97        | 72         | 7189                  | 48,4             | 148                    | 80+        | 3000    | 2,8        |
| CLARITY P LED1x1500 G444 T840 MPRZ | 615        | 97        | 72         | 1475                  | 10,3             | 144                    | 80+        | 4000    | 1,5        |
| CLARITY P LED1x2050 G445 T840 MPRZ | 615        | 97        | 72         | 2017                  | 13,9             | 145                    | 80+        | 4000    | 1,5        |
| CLARITY P LED1x2700 G446 T840 MPRZ | 615        | 97        | 72         | 2675                  | 18,9             | 142                    | 80+        | 4000    | 1,5        |
| CLARITY P LED1x3050 G447 T840 MPRZ | 615        | 97        | 72         | 3031                  | 20,5             | 148                    | 80+        | 4000    | 1,5        |
| CLARITY P LED1x2750 G448 T840 MPRZ | 1175       | 97        | 72         | 2689                  | 18,3             | 147                    | 80+        | 4000    | 2,3        |
| CLARITY P LED1x3550 G449 T840 MPRZ | 1175       | 97        | 72         | 3507                  | 22,9             | 153                    | 80+        | 4000    | 2,3        |
| CLARITY P LED1x4600 G450 T840 MPRZ | 1175       | 97        | 72         | 4570                  | 30,5             | 150                    | 80+        | 4000    | 2,3        |
| CLARITY P LED1x5400 G451 T840 MPRZ | 1175       | 97        | 72         | 5351                  | 35,2             | 152                    | 80+        | 4000    | 2,3        |
| CLARITY P LED1x6100 G452 T840 MPRZ | 1175       | 97        | 72         | 6062                  | 39,2             | 155                    | 80+        | 4000    | 2,3        |
| CLARITY P LED1x3400 G453 T840 MPRZ | 1455       | 97        | 72         | 3362                  | 22,3             | 151                    | 80+        | 4000    | 2,8        |
| CLARITY P LED1x4400 G454 T840 MPRZ | 1455       | 97        | 72         | 4383                  | 28,6             | 153                    | 80+        | 4000    | 2,8        |
| CLARITY P LED1x5750 G455 T840 MPRZ | 1455       | 97        | 72         | 5713                  | 38,1             | 150                    | 80+        | 4000    | 2,8        |
| CLARITY P LED1x6700 G456 T840 MPRZ | 1455       | 97        | 72         | 6688                  | 42,6             | 157                    | 80+        | 4000    | 2,8        |
| CLARITY P LED1x7600 G457 T840 MPRZ | 1455       | 97        | 72         | 7577                  | 48,4             | 156                    | 80+        | 4000    | 2,8        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### AVAILABLE ACCESSORIES:



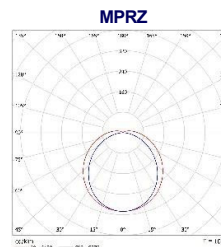
**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
\*note - 2pcs MTG SUSI KIT for 1 luminaire required



**Product:** CAP cable 3x0.75 2.0m clear  
**Description:** Cable 3x0.75mm<sup>2</sup> for suspended luminaire up to 2.0 meters, transparent



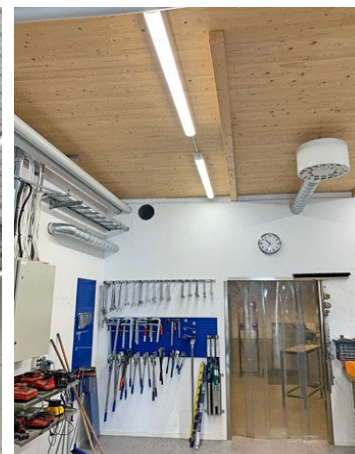
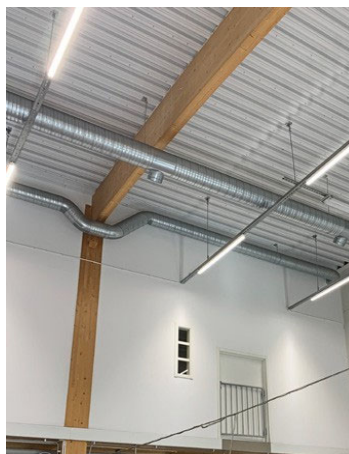
**Product:** CAP cable clip D6.3mm SET clear  
**Description:** Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



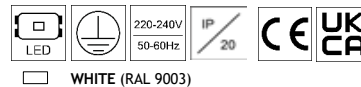
#### OPTIONS AVAILABLE ON REQUEST:

| LED  | CONTROL GEAR | SENSORS                    | EMERGENCY           | OTHER | PROTECTION | COLOUR |
|------|--------------|----------------------------|---------------------|-------|------------|--------|
| T830 | DALI         | MW <sup>1</sup>            | EM3 <sup>2</sup>    | 2Gr   | II         | RAL    |
| T840 | BLT          | MW DALI2 <sup>1</sup>      | EM3A <sup>2 3</sup> |       |            |        |
|      | KRBLT        | MW KRBLT <sup>1</sup>      | EM3D <sup>2 3</sup> |       |            |        |
|      | KRBLT DALI   | MW KRBLT DALI <sup>1</sup> |                     |       |            |        |
|      | COR          |                            |                     |       |            |        |
|      | COR1min      |                            |                     |       |            |        |
|      | COR30min     |                            |                     |       |            |        |

- 1 All MW options are incompatible with options EM3, EM3A, EM3D for 1175mm version
- 2 Operating temperature range for Luminaires with EM option, °C: ta 0... +35
- 3 EM3/A/D options not available for models: H113; H196



# SCENIK R



|                      |                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Recessed plaster-in frameless LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> translucent micro-prismatic PMMA diffuser / opal PMMA diffuser<br><b>Diffuser housing:</b> steel<br><b>Colour:</b> white (ral 9003)                                                                                                                                                            |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 50-60Hz<br><b>Led lifetime, h:</b> 50000/L80B10<br><b>Sdcm:</b> 3<br><b>Warranty :</b> 5 warranty<br><b>Protection class iec:</b> I<br><b>Ingress protection code:</b> IP20<br><b>Operating temperature range, °c:</b> ta 0...+35 (from 0 °c with em3)<br><b>Luminare output (lm):</b> 1038 - 3812<br><b>System power (w):</b> 10,7-32,8<br><b>Color temperature (k)</b> 3000k, 4000k |
| <b>INSTALLATION:</b> | <b>In ceilings with cut-out openings (mounting brackets included).</b><br><b>Push-in terminal, 3x2x2.5mm<sup>2</sup></b>                                                                                                                                                                                                                                                                                              |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>APPLICATION:</b>  | Office, education, corridor, retail, public place                                                                                                                                                                                                                                                                                                                                                                     |



| Product                                | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|----------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| SCENIK R LED1x1100 D720 T830 MPRZ LT92 | 220        | 220       | 65         | 1038                  | 10,7             | 97                     | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1550 D721 T830 MPRZ LT92 | 220        | 220       | 65         | 1450                  | 14,7             | 99                     | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1150 D722 T830 MPRZ LT92 | 595        | 85        | 65         | 1073                  | 10,2             | 105                    | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1550 D723 T830 MPRZ LT92 | 595        | 85        | 65         | 1460                  | 13,9             | 105                    | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1700 D724 T830 MPRZ LT92 | 875        | 85        | 65         | 1609                  | 14,5             | 111                    | 80+        | 3000    | 2,1        |
| SCENIK R LED1x2300 D725 T830 MPRZ LT92 | 875        | 85        | 65         | 2189                  | 20,8             | 105                    | 80+        | 3000    | 2,1        |
| SCENIK R LED1x2250 D726 T830 MPRZ LT92 | 1155       | 85        | 65         | 2145                  | 19,3             | 111                    | 80+        | 3000    | 2,4        |
| SCENIK R LED1x3100 D727 T830 MPRZ LT92 | 1155       | 85        | 65         | 2919                  | 26,3             | 111                    | 80+        | 3000    | 2,4        |
| SCENIK R LED1x2850 D728 T830 MPRZ LT92 | 1435       | 85        | 65         | 2681                  | 24,1             | 111                    | 80+        | 3000    | 2,8        |
| SCENIK R LED1x3850 D990 T830 MPRZ LT92 | 1435       | 85        | 65         | 3649                  | 32,8             | 111                    | 80+        | 3000    | 2,8        |
| SCENIK R LED1x1100 D720 T840 MPRZ LT92 | 220        | 220       | 65         | 1094                  | 10,7             | 102                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1550 D721 T840 MPRZ LT92 | 220        | 220       | 65         | 1529                  | 14,7             | 104                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1150 D722 T840 MPRZ LT92 | 595        | 85        | 65         | 1121                  | 10,2             | 109                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1550 D723 T840 MPRZ LT92 | 595        | 85        | 65         | 1525                  | 13,9             | 110                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1700 D724 T840 MPRZ LT92 | 875        | 85        | 65         | 1681                  | 14,5             | 116                    | 80+        | 4000    | 2,1        |
| SCENIK R LED1x2300 D725 T840 MPRZ LT92 | 875        | 85        | 65         | 2287                  | 20,8             | 110                    | 80+        | 4000    | 2,1        |
| SCENIK R LED1x2250 D726 T840 MPRZ LT92 | 1155       | 85        | 65         | 2241                  | 19,3             | 116                    | 80+        | 4000    | 2,4        |
| SCENIK R LED1x3100 D727 T840 MPRZ LT92 | 1155       | 85        | 65         | 3050                  | 26,3             | 116                    | 80+        | 4000    | 2,4        |
| SCENIK R LED1x2850 D728 T840 MPRZ LT92 | 1435       | 85        | 65         | 2801                  | 24,1             | 116                    | 80+        | 4000    | 2,8        |
| SCENIK R LED1x3850 D990 T840 MPRZ LT92 | 1435       | 85        | 65         | 3812                  | 32,8             | 116                    | 80+        | 4000    | 2,8        |

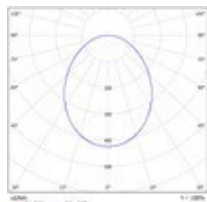
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

| Product                              | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|--------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| SCENIK R LED1x1100 D720 T830 OP LT80 | 220        | 220       | 65         | 1038                  | 10,7             | 97                     | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1550 D721 T830 OP LT80 | 220        | 220       | 65         | 1450                  | 14,7             | 99                     | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1150 D722 T830 OP LT80 | 595        | 85        | 65         | 1073                  | 10,2             | 105                    | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1550 D723 T830 OP LT80 | 595        | 85        | 65         | 1460                  | 13,9             | 105                    | 80+        | 3000    | 1,8        |
| SCENIK R LED1x1700 D724 T830 OP LT80 | 875        | 85        | 65         | 1609                  | 14,5             | 111                    | 80+        | 3000    | 2,1        |
| SCENIK R LED1x2300 D725 T830 OP LT80 | 875        | 85        | 65         | 2189                  | 20,8             | 105                    | 80+        | 3000    | 2,1        |
| SCENIK R LED1x2250 D726 T830 OP LT80 | 1155       | 85        | 65         | 2145                  | 19,3             | 111                    | 80+        | 3000    | 2,4        |
| SCENIK R LED1x3100 D727 T830 OP LT80 | 1155       | 85        | 65         | 2919                  | 26,3             | 111                    | 80+        | 3000    | 2,4        |
| SCENIK R LED1x2850 D728 T830 OP LT80 | 1435       | 85        | 65         | 2681                  | 24,1             | 111                    | 80+        | 3000    | 2,8        |
| SCENIK R LED1x3850 D990 T830 OP LT80 | 1435       | 85        | 65         | 3649                  | 32,8             | 111                    | 80+        | 3000    | 2,8        |
| SCENIK R LED1x1100 D720 T840 OP LT80 | 220        | 220       | 65         | 1094                  | 10,7             | 102                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1550 D721 T840 OP LT80 | 220        | 220       | 65         | 1529                  | 14,7             | 104                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1150 D722 T840 OP LT80 | 595        | 85        | 65         | 1121                  | 10,2             | 109                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1550 D723 T840 OP LT80 | 595        | 85        | 65         | 1525                  | 13,9             | 110                    | 80+        | 4000    | 1,8        |
| SCENIK R LED1x1700 D724 T840 OP LT80 | 875        | 85        | 65         | 1681                  | 14,5             | 116                    | 80+        | 4000    | 2,1        |
| SCENIK R LED1x2300 D725 T840 OP LT80 | 875        | 85        | 65         | 2287                  | 20,8             | 110                    | 80+        | 4000    | 2,1        |
| SCENIK R LED1x2250 D726 T840 OP LT80 | 1155       | 85        | 65         | 2241                  | 19,3             | 116                    | 80+        | 4000    | 2,4        |
| SCENIK R LED1x3100 D727 T840 OP LT80 | 1155       | 85        | 65         | 3050                  | 26,3             | 116                    | 80+        | 4000    | 2,4        |
| SCENIK R LED1x2850 D728 T840 OP LT80 | 1435       | 85        | 65         | 2801                  | 24,1             | 116                    | 80+        | 4000    | 2,8        |
| SCENIK R LED1x3850 D990 T840 OP LT80 | 1435       | 85        | 65         | 3812                  | 32,8             | 116                    | 80+        | 4000    | 2,8        |

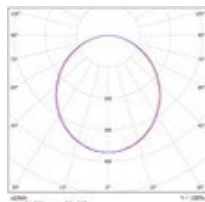
**OPTIONS AVAILABLE ON REQUEST:**

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR |
|------|----------------------|--------------|
| T830 | MPRZ LT92            | DALI         |
| T840 | OP LT80              |              |
|      | OP TP(a)             |              |
|      |                      |              |

**MPRZ LT92**

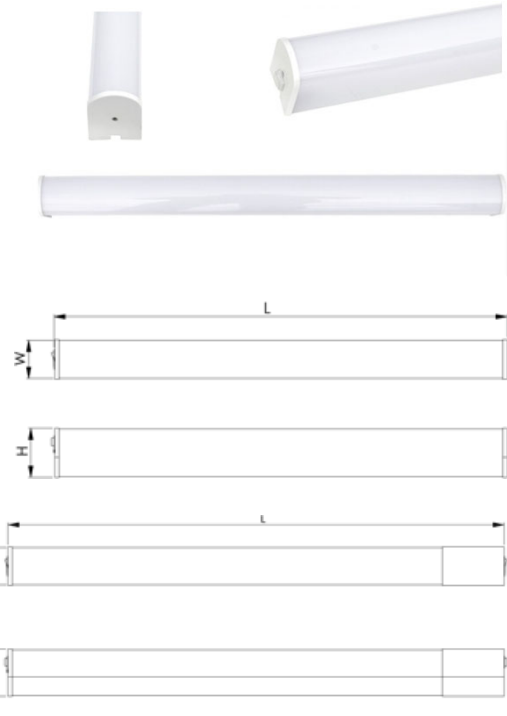


**OP LT80**



## USVA LED

### Diffuser and Wall Luminaires



|                      |                                                                                                                                                                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Suspended continuous line LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> opal polycarbonate diffuser<br><b>Housing:</b> aluminium<br><b>Colour:</b> white                                                                                                        |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 0/50-60Hz<br><b>LED lifetime, h:</b> 30000/L70B50<br><b>SDCM:</b> 5<br><b>Protection class IEC:</b> II (I with built-in socket)<br><b>Ingress protection code:</b> IP44<br><b>Mechanical impact resistance:</b> IK04<br><b>Operating temperature range, °C:</b> ta 0...+35 |
| <b>INSTALLATION:</b> | On the wall (mounting brackets included).<br>Screw terminal, 2x1.5mm <sup>2</sup> (3x1.5mm <sup>2</sup> with built-in socket)                                                                                                                                                                              |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                                                     |
| <b>APPLICATION:</b>  | Hotel, bathroom, healthcare                                                                                                                                                                                                                                                                                |

| PRODUCT                            | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| USVA LED1x1400 D552 T830 OP        | 600        | 53        | 65         | 1400                  | 15,0             | 93                     | 80+ | 3000    | 0,6        |
| USVA LED1x1400 D553 T830 OP SOCS44 | 682        | 53        | 65         | 1400                  | 15,0             | 93                     | 80+ | 3000    | 0,8        |

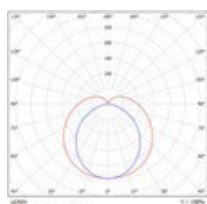
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

### OPTIONS AVAILABLE ON REQUEST:

#### CONNECTION

SOCS44

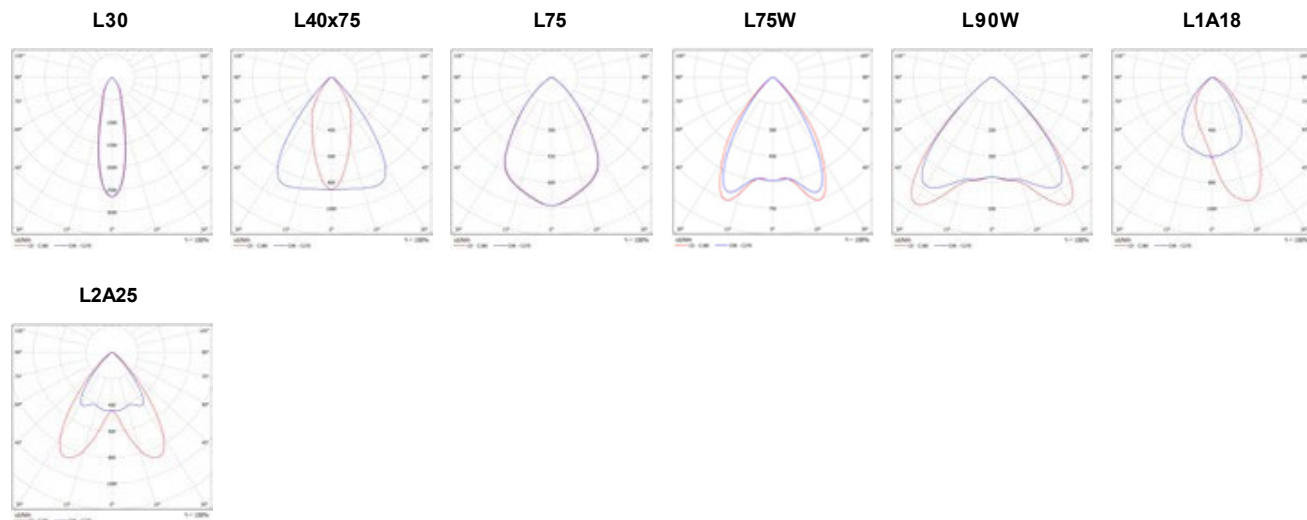
OP



**OPTIONS AVAILABLE ON REQUEST:**

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR                 | SENSORS         | EMERGENCY         | CONNECTION      |
|------|----------------------|------------------------------|-----------------|-------------------|-----------------|
| T830 | L30                  | DALI                         | HBPIR-M         | EM3 <sup>5</sup>  | L1 <sup>6</sup> |
| T840 | L40x75               | HBEAIRB-M <sup>1 2 3 4</sup> | HBPIR DALI-M    | EM3A <sup>5</sup> | L2 <sup>6</sup> |
|      | L75                  | HBEAIRB-S <sup>2 3 4</sup>   | HBPIR KRBLT     | EM3D <sup>5</sup> | L3 <sup>6</sup> |
|      | L75W                 | BLT                          | HBPIR KBRT DALI |                   | 2G              |
|      | L90W                 | KRBLT                        |                 |                   | WIE3            |
|      | L1A18                | KRBLT DALI                   |                 |                   | WIE5            |
|      | L2A25                | COR                          |                 |                   | WIE5D           |
|      |                      | COR1min                      |                 |                   | 2WIE3           |
|      |                      | COR30min                     |                 |                   | 2WIE5           |
|      |                      |                              |                 |                   | 2WIE5D          |

- 1 The impact protection rating of the HBEAIRB-M option is IK05
- 2 Max system size 1x HBEAIRB-M + 3x HBEAIRB-S
- 3 Max wire length from HBEAIRB-M to last HBEAIRB-S - 11 m
- 4 EAIRB option is not available for model G415
- 5 Operating temperature range for Luminaires with EM option, °C: ta 0... +35
- 6 Please specify one of L1, L2, L3 option for WIE5 and 2WIE5 options



# ELUME LED

## Waterproof and Cleanroom Luminaires



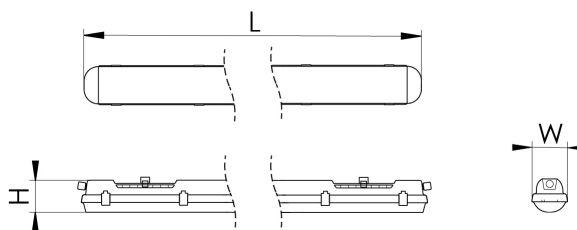
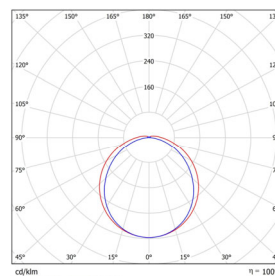
**DESCRIPTION:** Surface mounted or suspended waterproof LED luminaire, also available basic version  
**Light distribution type:** direct  
**Optical system:** opal polycarbonate diffuser, UV stable, impact resistant  
**Housing:** polycarbonate  
**Colour:** light grey

**GENERAL DATA:** **Mains voltage:** 220-240V, 50-60Hz/ 220-240V, 0/50-60Hz, basic version: 220-240V, 0/50-60Hz  
**LED lifetime, h:** 100000/L80B10, basic version: 50000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP66  
**Mechanical impact resistance:** IK10  
**Operating temperature range, °C:** ta -20...+35/+40, basic version: ta -20...+35

**INSTALLATION:** On the ceiling or wall (mounting brackets included) or suspended (hooks included). Push-in terminal, 3x2x2.5mm2

**ENVIRONMENT:** Indoor/outdoor with roof

**APPLICATION:** Industry, warehouse, hall, sports, public place, parking area, transport terminal, parking area



| PRODUCT                             | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|-------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| Elume LED1x1500 J738 T840 PC/PC OP  | 615        | 98        | 84         | 1464                  | 9,3              | 157                    | 80+ | 4000    | 0,9        |
| Elume LED1x1700 J739 T840 PC/PC OP  | 615        | 98        | 84         | 1654                  | 10,8             | 153                    | 80+ | 4000    | 0,9        |
| Elume LED1x2200 J740 T840 PC/PC OP  | 615        | 98        | 84         | 2197                  | 14               | 157                    | 80+ | 4000    | 0,9        |
| Elume LED1x2500 J741 T840 PC/PC OP  | 615        | 98        | 84         | 2481                  | 15,7             | 158                    | 80+ | 4000    | 0,9        |
| Elume LED1x2950 J742 T840 PC/PC OP  | 615        | 98        | 84         | 2929                  | 18,2             | 161                    | 80+ | 4000    | 0,9        |
| Elume LED1x3350 J743 T840 PC/PC OP  | 615        | 98        | 84         | 3307                  | 20,7             | 160                    | 80+ | 4000    | 0,9        |
| Elume LED1x3700 J744 T840 PC/PC OP  | 615        | 98        | 84         | 3661                  | 22,2             | 165                    | 80+ | 4000    | 0,9        |
| Elume LED1x4150 J745 T840 PC/PC OP  | 615        | 98        | 84         | 4134                  | 24,7             | 167                    | 80+ | 4000    | 0,9        |
| Elume LED1x4400 J746 T840 PC/PC OP  | 615        | 98        | 84         | 4393                  | 26,3             | 167                    | 80+ | 4000    | 0,9        |
| Elume LED1x5000 J747 T840 PC/PC OP  | 615        | 98        | 84         | 4961                  | 29               | 171                    | 80+ | 4000    | 0,9        |
| Elume LED1x2950 J748 T840 PC/PC OP  | 1175       | 98        | 84         | 2929                  | 17,7             | 165                    | 80+ | 4000    | 1,7        |
| Elume LED1x3350 J749 T840 PC/PC OP  | 1175       | 98        | 84         | 3307                  | 20               | 165                    | 80+ | 4000    | 1,7        |
| Elume LED1x4400 J750 T840 PC/PC OP  | 1175       | 98        | 84         | 4393                  | 26,3             | 167                    | 80+ | 4000    | 1,7        |
| Elume LED1x5000 J751 T840 PC/PC OP  | 1175       | 98        | 84         | 4961                  | 29               | 171                    | 80+ | 4000    | 1,7        |
| Elume LED1x5900 J752 T840 PC/PC OP  | 1175       | 98        | 84         | 5858                  | 34,7             | 169                    | 80+ | 4000    | 1,7        |
| Elume LED1x6650 J753 T840 PC/PC OP  | 1175       | 98        | 84         | 6615                  | 38,2             | 173                    | 80+ | 4000    | 1,7        |
| Elume LED1x7350 J754 T840 PC/PC OP  | 1175       | 98        | 84         | 7322                  | 41,5             | 176                    | 80+ | 4000    | 1,7        |
| Elume LED1x8300 J755 T840 PC/PC OP  | 1175       | 98        | 84         | 8269                  | 47,2             | 175                    | 80+ | 4000    | 1,7        |
| Elume LED1x8800 J756 T840 PC/PC OP  | 1175       | 98        | 84         | 8787                  | 49,3             | 178                    | 80+ | 4000    | 1,7        |
| Elume LED1x9950 J757 T840 PC/PC OP  | 1175       | 98        | 84         | 9922                  | 56,7             | 175                    | 80+ | 4000    | 1,7        |
| Elume LED1x5500 J758 T840 PC/PC OP  | 1455       | 98        | 84         | 5492                  | 32,5             | 169                    | 80+ | 4000    | 2          |
| Elume LED1x6250 J759 T840 PC/PC OP  | 1455       | 98        | 84         | 6202                  | 36,2             | 171                    | 80+ | 4000    | 2          |
| Elume LED1x7350 J760 T840 PC/PC OP  | 1455       | 98        | 84         | 7322                  | 41,5             | 176                    | 80+ | 4000    | 2          |
| Elume LED1x8300 J761 T840 PC/PC OP  | 1455       | 98        | 84         | 8269                  | 47,2             | 175                    | 80+ | 4000    | 2          |
| Elume LED1x9200 J762 T840 PC/PC OP  | 1455       | 98        | 84         | 9153                  | 51,3             | 178                    | 80+ | 4000    | 2          |
| Elume LED1x10350 J763 T840 PC/PC OP | 1455       | 98        | 84         | 10336                 | 58,4             | 177                    | 80+ | 4000    | 2          |
| Elume LED1x11000 J764 T840 PC/PC OP | 1455       | 98        | 84         | 10983                 | 61,6             | 178                    | 80+ | 4000    | 2          |
| Elume LED1x12450 J765 T840 PC/PC OP | 1455       | 98        | 84         | 12403                 | 70,1             | 177                    | 80+ | 4000    | 2          |

| PRODUCT<br>Basic version           | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICACY*,<br>lm/W | CRI | CCT*, K | WEIGHT,<br>kg |
|------------------------------------|---------------|--------------|---------------|-----------------------------|------------------------|------------------------------|-----|---------|---------------|
| Elume LED1x1950 H227 T840 PC/PC OP | 615           | 98           | 84            | 1916                        | 12,8                   | 150                          | 80+ | 4000    | 0,9           |
| Elume LED1x2600 H228 T840 PC/PC OP | 615           | 98           | 84            | 2555                        | 17,1                   | 149                          | 80+ | 4000    | 0,9           |
| Elume LED1x3200 H229 T840 PC/PC OP | 615           | 98           | 84            | 3194                        | 21,4                   | 149                          | 80+ | 4000    | 0,9           |
| Elume LED1x2600 H231 T840 PC/PC OP | 1175          | 98           | 84            | 2556                        | 17,1                   | 149                          | 80+ | 4000    | 1,7           |
| Elume LED1x3850 H232 T840 PC/PC OP | 1175          | 98           | 84            | 3832                        | 25,7                   | 149                          | 80+ | 4000    | 1,7           |
| Elume LED1x5150 H233 T840 PC/PC OP | 1175          | 98           | 84            | 5109                        | 33,5                   | 153                          | 80+ | 4000    | 1,7           |
| Elume LED1x6400 H234 T840 PC/PC OP | 1175          | 98           | 84            | 6387                        | 41,9                   | 152                          | 80+ | 4000    | 1,7           |
| Elume LED1x3200 H236 T840 PC/PC OP | 1455          | 98           | 84            | 3195                        | 21,4                   | 149                          | 80+ | 4000    | 2             |
| Elume LED1x4800 H237 T840 PC/PC OP | 1455          | 98           | 84            | 4790                        | 31,4                   | 153                          | 80+ | 4000    | 2             |
| Elume LED1x6400 H238 T840 PC/PC OP | 1455          | 98           | 84            | 6387                        | 41,9                   | 152                          | 80+ | 4000    | 2             |
| Elume LED1x8000 H239 T840 PC/PC OP | 1455          | 98           | 84            | 7984                        | 52,3                   | 153                          | 80+ | 4000    | 2             |
| Elume LED1x9600 H240 T840 PC/PC OP | 1455          | 98           | 84            | 8955                        | 59,7                   | 150                          | 80+ | 4000    | 2             |
| Elume LED1x1950 H227 T840 PC/PC OP | 615           | 98           | 84            | 1916                        | 12,8                   | 150                          | 80+ | 4000    | 0,9           |
| Elume LED1x2600 H228 T840 PC/PC OP | 615           | 98           | 84            | 2555                        | 17,1                   | 149                          | 80+ | 4000    | 0,9           |

\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT - SINE/Proof/  
Nord/Sumatra/Cyclone LED 1.5m **Description:**  
Suspension kit for SINE/Proof/  
Nord/Sumatra/Cyclone LED luminaires, 1.5 meter, 2pcs

**Product:** Suspension MTG KIT - SINE/Proof/Nord/  
Sumatra/Cyclone LED 3.0m

**Description:** Suspension kit for SINE/Proof/Nord/  
Sumatra/Cyclone LED luminaires, 3.0 meter, 2pcs



**Product:** Remote Control HRC-11

**Description:** The functionality of the sensors is  
controlled by a number of parameters which can be  
changed or programmed remote with an infrared handset  
\*note - remote control for HBPIR-M; HBPIR DALI-M



#### OPTIONS AVAILABLE

T830 Colour temperature 3000K, CRI 80+

T840 Colour temperature 4000K, CRI 80+

DALI Driver with DALI interface and switch-control dimming

\*note - for DALI LIN option wires are 2x0.5mm<sup>2</sup>

BLT Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth), with integrated DALI PS

KRBLT Integrated wireless control unit and driver for lighting control via mobile device (KR system app), on/off

KRBLT DALI Integrated wireless control unit and driver for lighting control via mobile device (KR system app), DALI with integrated PS

COR Driver with Corridor function (never off)

COR1min Driver with Corridor function 1min (switch off after 1 min.)

COR30min Driver with Corridor function 30min (switch off after 30 min.)

eCOR MW Driver with MW sensor and adaptive corridor function (100%/10-30%/0%)

\*note - eCOR MW option not available for models: J738-J743; J745; J747-J749; J751; J753; J755; J757; J759; J761; J763-J765;

MW Integrated microwave (MW) motion sensor with on-off control

HBPIR-M Batten-fit PIR sensor for ceiling heights up to 12 meters, on-off, master luminaire

HBPIR DALI-M Batten-fit PIR sensor for ceiling heights up to 12 meters, DALI with integrated PS, master luminaire

HBPIR KRBLT Batten-fit PIR sensor for ceiling heights up to 12 meters, KR system app control, on-off

HBPIR KBRT DALI Batten-fit PIR sensor for ceiling heights up to 12 meters, KR system app control and DALI with integrated PS

\*note - Luminaire with integrated PIR sensor protection degree is IK05 EM3 Emergency version 3 hours

EM3A Emergency version equipped with an autonomous testing system, 3 hours

EM3D Emergency version 3 hours with DALI interface

\*note - Operating temperature range for Luminaires with EM option, C: ta 0... +35

EM3Atmin-25 Emergency version equipped with an autonomous testing system, 3 hours. Suitable for low ambient temperatures up to -25 C

\*note - options EM3A, EM3Atmin25 and EM3D not applicable for models: J738, J739, J740, J741, J742, J743, J744, J745, J746, J747

\*note - option EM3Atmin25 is not applicable for models: H227, H228, H229, H230

5TB 5-pole terminal block in middle of luminaire for easy through wiring

1LIN Through wiring single phase d=1.5 mm<sup>2</sup> with two push-in terminal blocks

2LIN Through wiring two phases d=1.5 mm<sup>2</sup> with two push-in terminal blocks

3LIN Through wiring three phases d=1.5 mm<sup>2</sup> with two push-in terminal blocks

1LIN2.5 Through wiring single phase d=2.5 mm<sup>2</sup> with two push-in terminal blocks

2LIN2.5 Through wiring two phases d=2.5 mm<sup>2</sup> with two push-in terminal blocks

3LIN2.5 Through wiring three phases d=2.5 mm<sup>2</sup> with two push-in terminal blocks

\*note - LIN options applicable for models longer than 800mm, for shorter models 5TB option

II Electric shock protection class II

IC Stainless steel clips

C3 2x 3-pole quick connection cable gland integrated in to luminaire for Ø6-11mm cable, Push-in terminal, 3x2.5mm<sup>2</sup>

## SINE LED

### Waterproof and Cleanroom Luminaires



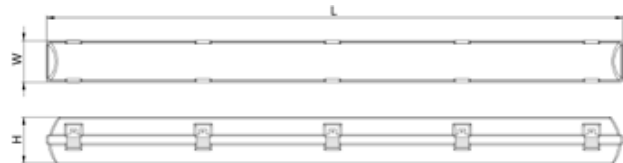
**DESCRIPTION:** Surface mounted or suspended waterproof LED luminaire  
**Light distribution type:** direct  
**Optical system:** opal polycarbonate diffuser, UV stable, impact resistant  
**Housing:** polycarbonate  
**Colour:** light grey

**GENERAL DATA:** **Mains voltage:** 220-240V, 0/50-60Hz, basic version: 220-240V, 50-60Hz  
**LED lifetime, h:** 100000/L80B10, basic version: 50000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I (II optional)  
**Ingress protection code:** IP66  
**Mechanical impact resistance:** IK10  
**Protection symbol:** D  
**Glow wire test, °C:** 850  
**Operating temperature range, °C:** ta -20...+35/+40, basic version: ta -20...+35

**INSTALLATION:** On the ceiling or wall (mounting brackets included), or suspended (hooks included). Push-in terminal, 5x2x2.5mm<sup>2</sup>

**ENVIRONMENT:** Indoor/outdoor with roof

**APPLICATION:** Industry, warehouse, hall, sports, public place, parking area, transport terminal, parking area



| PRODUCT                                 | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|-----------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| SINE LED1x1600 G237 T840 PC/PC OP LT80  | 662        | 96        | 111        | 1561                  | 10,0             | 156                    | 80+ | 4000    | 1,3        |
| SINE LED1x2150 G238 T840 PC/PC OP LT80  | 662        | 96        | 111        | 2136                  | 13,9             | 154                    | 80+ | 4000    | 1,3        |
| SINE LED1x2850 G239 T840 PC/PC OP LT80  | 662        | 96        | 111        | 2833                  | 17,2             | 165                    | 80+ | 4000    | 1,3        |
| SINE LED2x2150 G240 T840 PC/PC OP LT80  | 662        | 146       | 111        | 4271                  | 25,6             | 167                    | 80+ | 4000    | 1,8        |
| SINE LED1x2850 G241 T840 PC/PC OP LT80  | 1272       | 96        | 111        | 2847                  | 17,3             | 165                    | 80+ | 4000    | 2,1        |
| SINE LED1x3750 G242 T840 PC/PC OP LT80  | 1272       | 96        | 111        | 3713                  | 21,9             | 170                    | 80+ | 4000    | 2,1        |
| SINE LED1x4600 G243 T840 PC/PC OP LT80  | 1272       | 96        | 111        | 4556                  | 27,5             | 166                    | 80+ | 4000    | 2,1        |
| SINE LED1x5400 G244 T840 PC/PC OP LT80  | 1272       | 96        | 111        | 5398                  | 33,0             | 164                    | 80+ | 4000    | 2,1        |
| SINE LED1x7150 G245 T840 PC/PC OP LT80  | 1272       | 96        | 111        | 7122                  | 43,3             | 165                    | 80+ | 4000    | 2,1        |
| SINE LED1x9650 G246 T840 PC/PC OP LT80  | 1272       | 96        | 111        | 9628                  | 57,5             | 167                    | 80+ | 4000    | 2,1        |
| SINE LED2x5700 G247 T840 PC/PC OP LT80  | 1272       | 146       | 111        | 11331                 | 65,9             | 172                    | 80+ | 4000    | 2,8        |
| SINE LED1x4500 G248 T840 PC/PC OP LT80  | 1572       | 96        | 111        | 4498                  | 27,8             | 162                    | 80+ | 4000    | 2,6        |
| SINE LED1x5700 G249 T840 PC/PC OP LT80  | 1572       | 96        | 111        | 5695                  | 34,0             | 167                    | 80+ | 4000    | 2,6        |
| SINE LED1x6750 G250 T840 PC/PC OP LT80  | 1572       | 96        | 111        | 6747                  | 40,8             | 165                    | 80+ | 4000    | 2,6        |
| SINE LED1x8950 G251 T840 PC/PC OP LT80  | 1572       | 96        | 111        | 8903                  | 54,1             | 165                    | 80+ | 4000    | 2,6        |
| SINE LED1x12050 G252 T840 PC/PC OP LT80 | 1572       | 96        | 111        | 12035                 | 71,1             | 169                    | 80+ | 4000    | 2,6        |
| SINE LED2x7100 G253 T840 PC/PC OP LT80  | 1572       | 146       | 111        | 14164                 | 82,4             | 172                    | 80+ | 4000    | 3,3        |

| PRODUCT<br>Basic version                  | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICACY*,<br>lm/W | CRI | CCT*, K | WEIGHT,<br>kg |
|-------------------------------------------|---------------|--------------|---------------|-----------------------------|------------------------|------------------------------|-----|---------|---------------|
| SINE LED1x2300 H117 T840 PC/PC OP LT80 1G | 662           | 96           | 111           | 2268                        | 14,8                   | 153                          | 80+ | 4000    | 1,3           |
| SINE LED1x2700 H118 T840 PC/PC OP LT80 1G | 662           | 96           | 111           | 2674                        | 17,8                   | 150                          | 80+ | 4000    | 1,3           |
| SINE LED1x3750 H119 T840 PC/PC OP LT80 1G | 1272          | 96           | 111           | 3742                        | 25,2                   | 148                          | 80+ | 4000    | 2,1           |
| SINE LED1x5350 H120 T840 PC/PC OP LT80 1G | 1272          | 96           | 111           | 5348                        | 35,5                   | 151                          | 80+ | 4000    | 2,1           |
| SINE LED1x4700 H211 T840 PC/PC OP LT80    | 1572          | 96           | 111           | 4678                        | 31,5                   | 149                          | 80+ | 4000    | 2,1           |
| SINE LED1x6700 H122 T840 PC/PC OP LT80 1G | 1572          | 96           | 111           | 6685                        | 44,4                   | 151                          | 80+ | 4000    | 2,6           |
| SINE LED1x8700 H124 T840 PC/PC OP LT80    | 1572          | 96           | 111           | 8666                        | 59,7                   | 145                          | 80+ | 4000    | 2,6           |

\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT - SINE/Proof/Nord/Sumatra/Cyclone LED 1.5m  
**Description:** Suspension kit for SINE/Proof/Nord/Sumatra/Cyclone LED luminaires, 1.5 meter, 2pcs



**Product:** Remote Control HRC-11  
**Description:** The functionality of the sensors is controlled by a number of parameters which can be changed or programmed remote with an infrared handset  
*\*note - remote control for HBPIR-M; HBPIR DALI-M*

**Product:** Suspension MTG KIT - SINE/Proof/Nord/Sumatra/Cyclone LED 3.0m  
**Description:** Suspension kit for SINE/Proof/Nord/Sumatra/Cyclone LED luminaires, 3.0 meter, 2pcs

#### OPTIONS AVAILABLE ON REQUEST:

| LED  | MATERIAL              | CONTROL GEAR      | SENSORS                      | EMERGENCY                | CONNECTION           | OTHER | PROTECTION |
|------|-----------------------|-------------------|------------------------------|--------------------------|----------------------|-------|------------|
| T830 | ABS/PMMA <sup>1</sup> | DALI <sup>2</sup> | MW                           | EM3                      | 1LIN <sup>6</sup>    | IC    | II         |
| T840 |                       | BLT               | MWRFM+                       | EM3A <sup>4</sup> 5      | 2LIN <sup>6</sup>    |       |            |
|      |                       | KRBLT             | MW DALI2                     | EM3Atmin-25 <sup>5</sup> | 3LIN <sup>6</sup>    |       |            |
|      |                       | KRBLT DALI        | MW KRBLT                     | EM3D <sup>4</sup> 5      | 1LIN2.5 <sup>6</sup> |       |            |
|      |                       | COR               | MW KRBLT DALI                |                          | 2LIN2.5 <sup>6</sup> |       |            |
|      |                       | COR1min           | HBPIR-M <sup>3</sup>         |                          | 3LIN2.5 <sup>6</sup> |       |            |
|      |                       | COR30min          | HBPIR DALI-M <sup>3</sup>    |                          | 2G                   |       |            |
|      |                       |                   | HBPIR KRBLT <sup>3</sup>     |                          | C3                   |       |            |
|      |                       |                   | HBPIR KBRT DALI <sup>3</sup> |                          |                      |       |            |

1 Luminaires with ABS/PMMA options are equipped with plastic cable glands

2 For DALI LIN option wires are 2x0.5mm<sup>2</sup>

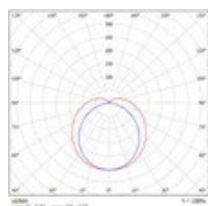
3 Luminaire with integrated PIR sensor protection degree is IK05

4 Operating temperature range for luminaires with EM option, °C: ta 0... +35

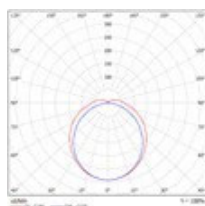
5 Options EM3A, EM3Atmin25 and EM3D not applicable for models: H117, H118

6 LIN options applicable for models longer than 800mm, for shorter models 5 pole terminal block included as standard

OP LT80



OP LT80 (2xversion)







## SINE LED Ex

### Explosion-Proof Luminaires



**DESCRIPTION:** Surface mounted explosion-proof LED luminaire  
**Light distribution type:** direct  
**Optical system:** opal polycarbonate diffuser, impact resistant  
**Housing:** polycarbonate, stainless steel clips  
**Colour:** light grey  
**Marking of explosion-protection:** II 3G Ex nA IIC T6  
 Gc; II 3D Ex tD IIIC T85 C IP66 Dc  
**Explosion group:** Gas: IIC, IIB, IIA Dust: IIIC, IIIB, IIIA  
**Hazardous zones:** 2, 22

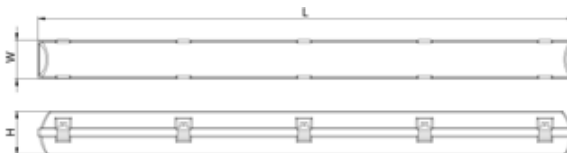


**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
 LED lifetime, h: 75000/L80B50  
 SDCM: 3  
 Protection class IEC: I  
 Ingress protection code: IP66  
 Mechanical impact resistance: IK08  
 Operating temperature range, °C: ta -25...+40

**INSTALLATION:** On the ceiling or wall (mounting brackets included), or suspended (hooks included). Push-in terminal, 3x2x2.5mm<sup>2</sup>. Cable diameter: Ø7-13mm

**ENVIRONMENT:** Indoor

**APPLICATION:** Industry. Designed for illumination of hazardous areas where an explosive atmosphere persists for a short period



| PRODUCT                                 | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|-----------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| SINE LED1x1300 C101 T840 PC/PC OP IC Ex | 662        | 96        | 111        | 1389                  | 11,6             | 120                    | 80+ | 4000    | 1,3        |
| SINE LED1x1900 C102 T840 PC/PC OP IC Ex | 662        | 96        | 111        | 1884                  | 17,2             | 110                    | 80+ | 4000    | 1,3        |
| SINE LED2x1300 C104 T840 PC/PC OP IC Ex | 662        | 146       | 111        | 2779                  | 23,2             | 120                    | 80+ | 4000    | 1,8        |
| SINE LED2x1900 C105 T840 PC/PC OP IC Ex | 662        | 146       | 111        | 3768                  | 32,4             | 116                    | 80+ | 4000    | 1,8        |
| SINE LED1x2600 C107 T840 PC/PC OP IC Ex | 1272       | 96        | 111        | 2779                  | 23,2             | 120                    | 80+ | 4000    | 2,1        |
| SINE LED1x3800 C108 T840 PC/PC OP IC Ex | 1272       | 96        | 111        | 3768                  | 32,4             | 116                    | 80+ | 4000    | 2,1        |
| SINE LED2x2600 C110 T840 PC/PC OP IC Ex | 1272       | 146       | 111        | 5558                  | 43,8             | 127                    | 80+ | 4000    | 2,8        |
| SINE LED2x3800 C111 T840 PC/PC OP IC Ex | 1272       | 146       | 111        | 7537                  | 64,8             | 116                    | 80+ | 4000    | 2,8        |
| SINE LED1x3200 C113 T840 PC/PC OP IC Ex | 1572       | 96        | 111        | 3473                  | 27,3             | 127                    | 80+ | 4000    | 2,6        |
| SINE LED1x4700 C114 T840 PC/PC OP IC Ex | 1572       | 96        | 111        | 4711                  | 40,5             | 116                    | 80+ | 4000    | 2,6        |
| SINE LED2x3200 C116 T840 PC/PC OP IC Ex | 1572       | 146       | 111        | 6947                  | 54,7             | 127                    | 80+ | 4000    | 3,3        |
| SINE LED2x4700 C117 T840 PC/PC OP IC Ex | 1572       | 146       | 111        | 9421                  | 81,0             | 116                    | 80+ | 4000    | 3,3        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

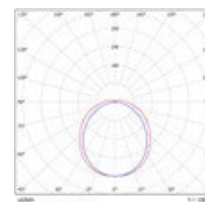
#### OPTIONS AVAILABLE ON REQUEST:

| LED  | EMERGENCY           | CONNECTION |
|------|---------------------|------------|
| T830 | EM3B <sup>1 2</sup> | 5TB        |
| T840 |                     | 1LIN2.5    |
|      |                     | 3LIN2.5    |

<sup>1</sup> EM options not applicable for models: C101, C102, C104, C105

<sup>2</sup> Operating temperature range for Luminaires with EM option, °C: ta 0... +35

OP





## EXPLOSION-PROOF LUMINAIRES

## FLARES P LED

### Aluminum Profile Luminaires



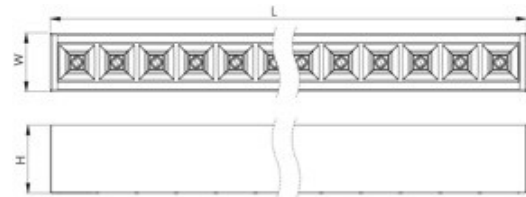
**DESCRIPTION:** Surface mounted or suspended slim profile LED luminaire for in-line connection  
**Light distribution type:** direct  
**Optical system:** double parabolic reflector with lenses, low glare  
**Housing:** aluminium  
**Colour:** light grey, RAL9006S; white, RAL9003S; black, RAL9005S

**GENERAL DATA:** **Mains voltage:** 220-240V, 0/50-60Hz  
**LED lifetime, h:** 100000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP40  
**Mechanical impact resistance:** IK05  
**Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** On the ceiling or suspended (wire, cable and cap to be ordered separately), with L/LL option is designed for in-line connection. Push-in terminal, 3x2x2.5mm<sup>2</sup>

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, retail, public place



| PRODUCT                               | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|---------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| FLARES P LED1x3050 K170 T840 WMC LO1  | 1136       | 59        | 69         | 3014                  | 17,5             | 172                    | 80+ | 4000    | 2,3        |
| FLARES P LED1x3750 K171 T840 WMC LO2  | 1136       | 59        | 69         | 3713                  | 21,8             | 170                    | 80+ | 4000    | 2,3        |
| FLARES P LED1x4400 K172 T840 WMC LO3  | 1136       | 59        | 69         | 4393                  | 26,1             | 168                    | 80+ | 4000    | 2,3        |
| FLARES P LED1x5100 K173 T840 WMC LO4  | 1136       | 59        | 69         | 5090                  | 31,2             | 163                    | 80+ | 4000    | 2,3        |
| FLARES P LED1x3800 K174 T840 WMC LO1  | 1416       | 59        | 69         | 3768                  | 21,6             | 174                    | 80+ | 4000    | 2,6        |
| FLARES P LED1x4650 K175 T840 WMC LO2  | 1416       | 59        | 69         | 4642                  | 26,6             | 175                    | 80+ | 4000    | 2,6        |
| FLARES P LED1x5500 K176 T840 WMC LO3  | 1416       | 59        | 69         | 5492                  | 32,0             | 172                    | 80+ | 4000    | 2,6        |
| FLARES P LED1x6400 K177 T840 WMC LO4  | 1416       | 59        | 69         | 6363                  | 37,7             | 169                    | 80+ | 4000    | 2,6        |
| FLARES P LED1x6050 K178 T840 WMC LO1  | 2256       | 59        | 69         | 6029                  | 33,0             | 183                    | 80+ | 4000    | 4,0        |
| FLARES P LED1x7450 K179 T840 WMC LO2  | 2256       | 59        | 69         | 7427                  | 41,7             | 178                    | 80+ | 4000    | 4,0        |
| FLARES P LED1x8800 K180 T840 WMC LO3  | 2256       | 59        | 69         | 8787                  | 50,6             | 174                    | 80+ | 4000    | 4,0        |
| FLARES P LED1x10200 K181 T840 WMC LO4 | 2256       | 59        | 69         | 10181                 | 59,1             | 172                    | 80+ | 4000    | 4,0        |
| FLARES P LED1x7550 K182 T840 WMC LO1  | 2816       | 59        | 69         | 7536                  | 41,3             | 182                    | 80+ | 4000    | 5,0        |
| FLARES P LED1x9300 K183 T840 WMC LO2  | 2816       | 59        | 69         | 9284                  | 52,2             | 178                    | 80+ | 4000    | 5,0        |
| FLARES P LED1x11000 K184 T840 WMC LO3 | 2816       | 59        | 69         | 10983                 | 62,6             | 175                    | 80+ | 4000    | 5,0        |
| FLARES P LED1x12750 K185 T840 WMC LO4 | 2816       | 59        | 69         | 12726                 | 73,1             | 174                    | 80+ | 4000    | 5,0        |

| PRODUCT                               | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICACY*,<br>lm/W | CRI | CCT*, K | WEIGHT,<br>kg |
|---------------------------------------|---------------|--------------|---------------|-----------------------------|------------------------|------------------------------|-----|---------|---------------|
| FLARES P LED1x2600 K170 T840 BMC LO1  | 1136          | 59           | 69            | 2598                        | 17,5                   | 148                          | 80+ | 4000    | 2,3           |
| FLARES P LED1x3200 K171 T840 BMC LO2  | 1136          | 59           | 69            | 3200                        | 21,8                   | 147                          | 80+ | 4000    | 2,3           |
| FLARES P LED1x3800 K172 T840 BMC LO3  | 1136          | 59           | 69            | 3786                        | 26,1                   | 145                          | 80+ | 4000    | 2,3           |
| FLARES P LED1x4400 K173 T840 BMC LO4  | 1136          | 59           | 69            | 4386                        | 30,8                   | 142                          | 80+ | 4000    | 2,3           |
| FLARES P LED1x3250 K174 T840 BMC LO1  | 1416          | 59           | 69            | 3247                        | 21,6                   | 150                          | 80+ | 4000    | 2,6           |
| FLARES P LED1x4000 K175 T840 BMC LO2  | 1416          | 59           | 69            | 4000                        | 26,6                   | 150                          | 80+ | 4000    | 2,6           |
| FLARES P LED1x4750 K176 T840 BMC LO3  | 1416          | 59           | 69            | 4732                        | 32,0                   | 148                          | 80+ | 4000    | 2,6           |
| FLARES P LED1x5500 K177 T840 BMC LO4  | 1416          | 59           | 69            | 5483                        | 37,7                   | 145                          | 80+ | 4000    | 2,6           |
| FLARES P LED1x5200 K178 T840 BMC LO1  | 2256          | 59           | 69            | 5195                        | 33,0                   | 157                          | 80+ | 4000    | 4,0           |
| FLARES P LED1x6400 K179 T840 BMC LO2  | 2256          | 59           | 69            | 6400                        | 41,7                   | 153                          | 80+ | 4000    | 4,0           |
| FLARES P LED1x7600 K180 T840 BMC LO3  | 2256          | 59           | 69            | 7571                        | 50,6                   | 150                          | 80+ | 4000    | 4,0           |
| FLARES P LED1x8800 K181 T840 BMC LO4  | 2256          | 59           | 69            | 8773                        | 59,1                   | 148                          | 80+ | 4000    | 4,0           |
| FLARES P LED1x6500 K182 T840 BMC LO1  | 2816          | 59           | 69            | 6494                        | 41,3                   | 157                          | 80+ | 4000    | 5,0           |
| FLARES P LED1x8000 K183 T840 BMC LO2  | 2816          | 59           | 69            | 8000                        | 52,2                   | 153                          | 80+ | 4000    | 5,0           |
| FLARES P LED1x9500 K184 T840 BMC LO3  | 2816          | 59           | 69            | 9464                        | 62,6                   | 151                          | 80+ | 4000    | 5,0           |
| FLARES P LED1x11000 K185 T840 BMC LO4 | 2816          | 59           | 69            | 10966                       | 73,1                   | 150                          | 80+ | 4000    | 5,0           |

BLANK FLARES LED track assembly see on page 229

\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 2pcs MTG SUSI KIT for length up to 2000mm, 3pcs MTG SUSI KIT for lengths 2000 - 3000mm*  
*\*note - SUS option is required*



**Product:** WALL MTG KIT - FLARES LED RAL9006S  
**Description:** Support bracket for luminaire installation onto the wall. FLARES LED, 1pcs  
*\*note - 2pcs WALL MTG KIT for length up to 2000mm, 3pcs WALL MTG KIT for length 2000 - 3000mm*



**Product:** IJOIN MTG KIT FLARES LED RAL9006S  
**Description:** "I" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** LJOIN MTG KIT FLARES LED RAL9006S  
**Description:** "L" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** TJOIN MTG KIT FLARES LED RAL9006S  
**Description:** "T" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** XJOIN MTG KIT FLARES LED RAL9006S  
**Description:** "X" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** CAP cable 3x0.75 2.0m clear  
**Description:** Cable 3x0.75mm<sup>2</sup> for suspended luminaire up to 2.0 meters, transparent



**Product:** CAP cable clip D6.3mm SET clear  
**Description:** Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



**Product:** CAP4, light grey/ white/ black  
**Description:** Square FLARESative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm<sup>2</sup>, light grey/ white/ black



**Product:** CAP5, light grey/ white/ black  
**Description:** Square FLARESative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm<sup>2</sup>, light grey/ white/ black



**Product:** Panel removal tool FLARES S / Serpens S  
**Description:** A pair of Serpens S / FLARES S - panel removal tools for neat panel removal during installation

**Product:** Remote Control HRC-11  
**Description:** The functionality of the sensors is controlled by a number of parameters which can be changed or programmed remote with an infrared handset  
*\*note -remote control for PIR DALI*

**BLANK FLARES P LED with GA EDGE B LED**  
(ask for special model)



**OPTIONS AVAILABLE ON REQUEST:**

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR                   | SENSORS                       | EMERGENCY         | CONNECTION                    | OTHER                   | COLOUR |
|------|----------------------|--------------------------------|-------------------------------|-------------------|-------------------------------|-------------------------|--------|
| T830 | WMC                  | DALI <sup>1</sup>              | MW <sup>3</sup> 4             | EM3 <sup>9</sup>  | 1LIN <sup>10</sup>            | L                       | RAL    |
| T840 | BMC                  | EAIRB-M <sup>2</sup> 3 4 5 6 7 | PIR <sup>3</sup> 4            | EM3A <sup>9</sup> | 2LIN <sup>10</sup>            | LL                      |        |
|      | MGC                  | EAIRB-S <sup>6</sup> 7         | PIR DALI <sup>3</sup> 4       | EM3D <sup>9</sup> | 3LIN <sup>10</sup>            | I-join L <sup>12</sup>  |        |
|      | MMC                  | BLT                            | PIR BLT DALI <sup>3</sup> 4   |                   | 2G                            | I-join LL <sup>12</sup> |        |
|      | WAC-L/BAC-L          | COR                            | PIR KRBLT DALI <sup>3</sup> 4 |                   | CBF3-2.0m clear <sup>11</sup> | L I-join LL             |        |
|      | WAC-R/BAC-R          | COR1min                        |                               |                   |                               | SUS                     |        |
|      |                      | COR30min                       |                               |                   |                               |                         |        |
|      |                      | KRBLT                          |                               |                   |                               |                         |        |
|      |                      | KRBLT DALI                     |                               |                   |                               |                         |        |
|      |                      | PULL <sup>8</sup>              |                               |                   |                               |                         |        |
|      |                      | PULLDIM <sup>8</sup>           |                               |                   |                               |                         |        |

1 For DALI LIN option wires are 2x0.5mm<sup>2</sup>

2 Ingress protection IP20

3 For options EAIRB, MW and PIR luminaire housing is 72mm longer

4 The EAIRB, MW, PIR sensors are positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm

5 EAIRB option is not applicable for model: K177

6 Max system size 1x EAIRB-M + 3x EAIRB-S

7 Max wire length from EAIRB-M to last EAIRB-S - 11 m

8 For PULL and PULLDIM option luminaire housing is 50mm longer and switch is positioned at the end of luminaire

9 EM options applicable for models longer than 1000mm

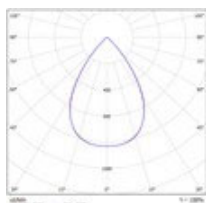
10 LIN options applicable for models longer than 800mm

11 For suspended luminaires it is recommended to use one of CBF option for easier mounting

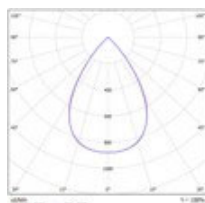
12 For I-join L and I-join LL models joint kit not included, 1LIN option included (5TB option for lengths up to 800mm)

13 Intermediate luminaire must have IJOIN L, IJOIN LL or L IJOIN LL options, depending on installation position

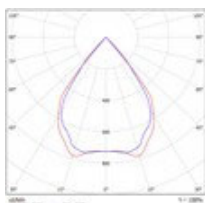
**WMC**



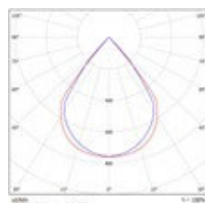
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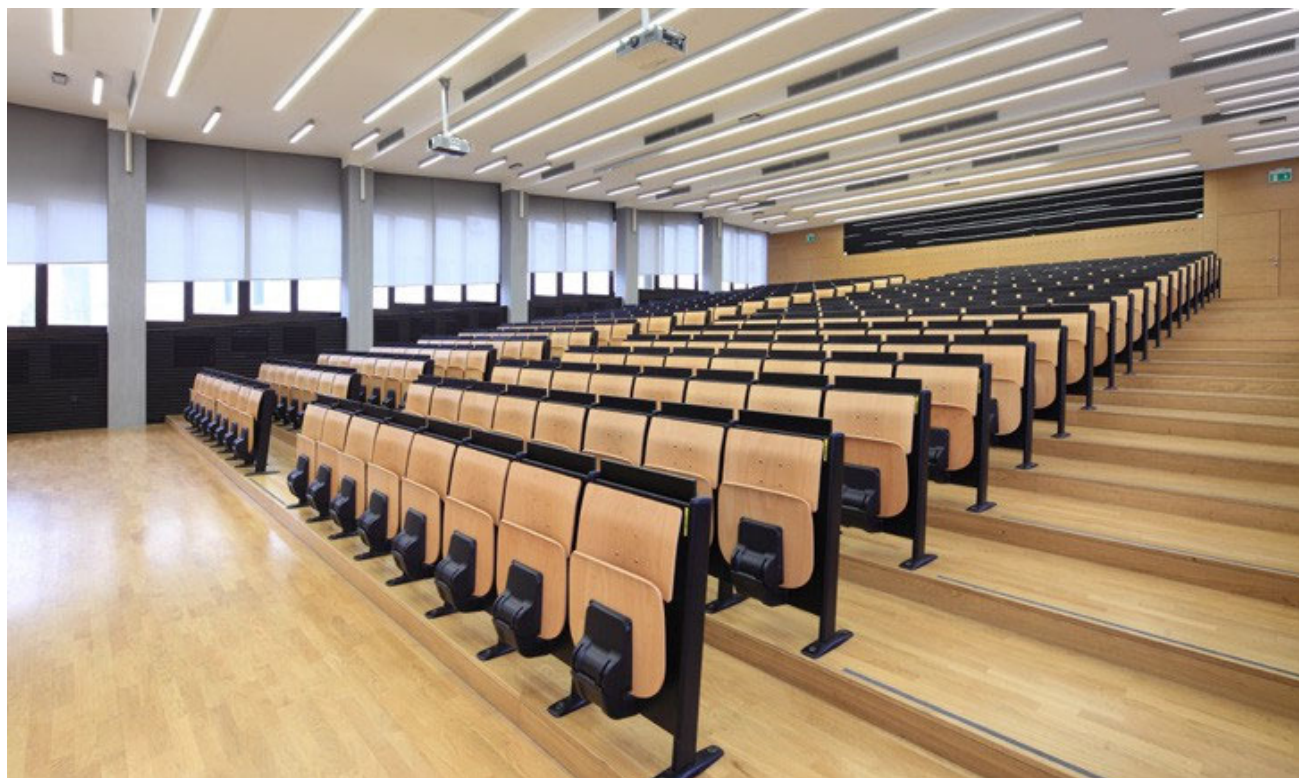
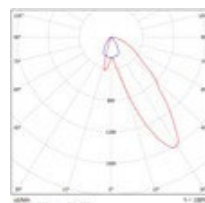
**MGC**



**MMC**

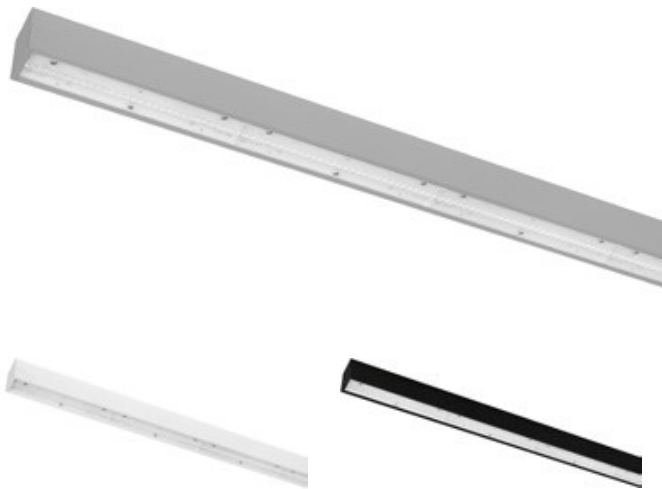
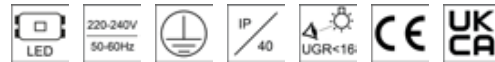


**WAC/BAC**

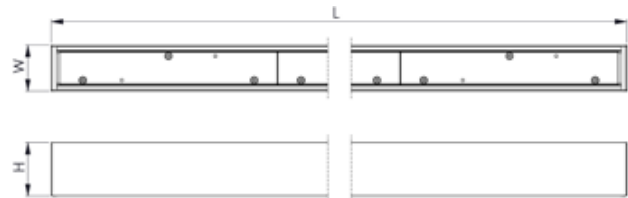


# FLARES O LED

## Aluminium Profile Luminaires



|                      |                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Surface mounted or suspended slim profile LED luminaire for in-line connection</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> lenses, low glare<br><b>Housing:</b> aluminium<br><b>Colour:</b> light grey, RAL9006S; white, RAL9003S; black, RAL9005S |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 0/50-60Hz<br><b>LED lifetime, h:</b> 100000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> I<br><b>Ingress protection code:</b> IP40<br><b>Mechanical impact resistance:</b> IK05<br><b>Operating temperature range, °C:</b> ta 0...+35 |
| <b>INSTALLATION:</b> | On the ceiling or suspended (wire, cable and cap to be ordered separately), with L/LL option is designed for in-line connection. Push-in terminal, 3x2x2.5mm <sup>2</sup>                                                                                                         |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                            |
| <b>APPLICATION:</b>  | Office, education, hotel, corridor, retail, public place                                                                                                                                                                                                                          |



| PRODUCT                               | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|---------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| FLARES O LED1x3850 K202 T840 L75 LO1  | 1148       | 59        | 69         | 3804                  | 21,7             | 175                    | 80+ | 4000    | 2,3        |
| FLARES O LED1x5350 K203 T840 L75 LO2  | 1148       | 59        | 69         | 5317                  | 31,7             | 168                    | 80+ | 4000    | 2,3        |
| FLARES O LED1x5500 K204 T840 L75 LO3  | 1148       | 59        | 69         | 5492                  | 29,8             | 184                    | 80+ | 4000    | 2,3        |
| FLARES O LED1x6600 K205 T840 L75 LO4  | 1148       | 59        | 69         | 6556                  | 35,7             | 184                    | 80+ | 4000    | 2,3        |
| FLARES O LED1x7600 K206 T840 L75 LO5  | 1148       | 59        | 69         | 7560                  | 41,5             | 182                    | 80+ | 4000    | 2,3        |
| FLARES O LED1x4800 K207 T840 L75 LO1  | 1428       | 59        | 69         | 4755                  | 27,4             | 174                    | 80+ | 4000    | 2,6        |
| FLARES O LED1x6650 K208 T840 L75 LO2  | 1428       | 59        | 69         | 6647                  | 38,8             | 171                    | 80+ | 4000    | 2,6        |
| FLARES O LED1x6900 K209 T840 L75 LO3  | 1428       | 59        | 69         | 6864                  | 36,5             | 188                    | 80+ | 4000    | 2,6        |
| FLARES O LED1x8200 K210 T840 L75 LO4  | 1428       | 59        | 69         | 8195                  | 44,1             | 186                    | 80+ | 4000    | 2,6        |
| FLARES O LED1x9450 K211 T840 L75 LO5  | 1428       | 59        | 69         | 9450                  | 51,3             | 184                    | 80+ | 4000    | 2,6        |
| FLARES O LED1x9550 K212 T840 L75 LO1  | 2831       | 59        | 69         | 9510                  | 51,4             | 185                    | 80+ | 4000    | 5,0        |
| FLARES O LED1x13300 K213 T840 L75 LO2 | 2831       | 59        | 69         | 13294                 | 75,1             | 177                    | 80+ | 4000    | 5,0        |
| FLARES O LED1x13750 K214 T840 L75 LO3 | 2831       | 59        | 69         | 13729                 | 72,1             | 190                    | 80+ | 4000    | 5,0        |
| FLARES O LED1x16400 K215 T840 L75 LO4 | 2831       | 59        | 69         | 16390                 | 86,4             | 190                    | 80+ | 4000    | 5,0        |
| FLARES O LED1x18950 K216 T840 L75 LO5 | 2831       | 59        | 69         | 18901                 | 101,6            | 186                    | 80+ | 4000    | 5,0        |

BLANK FLARES LED track assembly see on page 229

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

**AVAILABLE ACCESSORIES:**



**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 2pcs MTG SUSI KIT for length up to 2000mm, 3pcs MTG SUSI KIT for lengths 2000 - 3000mm*  
*\*note - SUS option is required*



**Product:** I-JOIN MTG KIT FLARES LED RAL9006S  
**Description:** "I" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** L-JOIN MTG KIT FLARES LED RAL9006S  
**Description:** "L" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** T-JOIN MTG KIT FLARES LED RAL9006S  
**Description:** "T" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** X-JOIN MTG KIT FLARES LED RAL9006S  
**Description:** "X" type joint kit for connecting luminaires in-line  
*\*note - check RAL colour to match luminaire*



**Product:** CAP cable 3x0.75 2.0m clear  
**Description:** Cable 3x0.75mm<sup>2</sup> for suspended luminaire up to 2.0 meters, transparent



**Product:** CAP cable clip D6.3mm SET clear  
**Description:** Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



**Product:** CAP4, light grey/ white/ black  
**Description:** Square FLARESative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm<sup>2</sup>, light grey/ white/ black



**Product:** CAP5, light grey/ white/ black  
**Description:** Square FLARESative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm<sup>2</sup>, light grey/ white/ black



**Product:** Panel removal tool FLARES S / Serpens S  
**Description:** A pair of Serpens S / FLARES S panel removal tools for neat panel removal during installation

**Product:** Remote Control HRC-11  
**Description:** The functionality of the sensors is controlled by a number of parameters which can be changed or programmed remote with an infrared handset  
*\*note -remote control for PIR DALI*

**BLANK FLARES O LED with GA EDGE B LED**  
(ask for special model)



**OPTIONS AVAILABLE ON REQUEST:**

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR                 | SENSORS                     | EMERGENCY         | CONNECTION      | OTHER                  | COLOUR |
|------|----------------------|------------------------------|-----------------------------|-------------------|-----------------|------------------------|--------|
| T830 | L30                  | DALI <sup>1</sup>            | MW <sup>3</sup>             | EM3 <sup>8</sup>  | 1LIN            | L                      | RAL    |
| T840 | L40x75               | EAIRB-M <sup>2</sup> 3 4 5 6 | PIR <sup>3</sup>            | EM3A <sup>8</sup> | 2LIN            | LL                     |        |
|      | L75                  | EAIRB-S <sup>5</sup> 6       | PIR DALI <sup>3</sup>       | EM3D <sup>8</sup> | 3LIN            | I-join L <sup>9</sup>  |        |
|      | L75W                 | BLT                          | PIR BLT DALI <sup>3</sup>   |                   | CBF3-2.0m clear | I-join LL <sup>9</sup> |        |
|      | L90W                 | KRBLT                        | PIR KRBLT DALI <sup>3</sup> |                   |                 | L I-join LL            |        |
|      | L100                 | KRBLT DALI                   |                             |                   |                 | SUS <sup>10</sup>      |        |
|      | L1A18-L              | COR                          |                             |                   |                 |                        |        |
|      | L1A18-R              | COR1min                      |                             |                   |                 |                        |        |
|      | L2A25                | COR30min                     |                             |                   |                 |                        |        |
|      |                      | PULL <sup>7</sup>            |                             |                   |                 |                        |        |
|      |                      | PULLDIM <sup>7</sup>         |                             |                   |                 |                        |        |

<sup>1</sup> For DALI LIN option wires are 2x0.5mm<sup>2</sup>

<sup>2</sup> Ingress protection IP20

<sup>3</sup> For options EAIRB, MW and PIR luminaire housing is 72mm longer

<sup>4</sup> The EAIRB sensors are positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm

<sup>5</sup> Max system size 1x EAIRB-M + 3x EAIRB-S

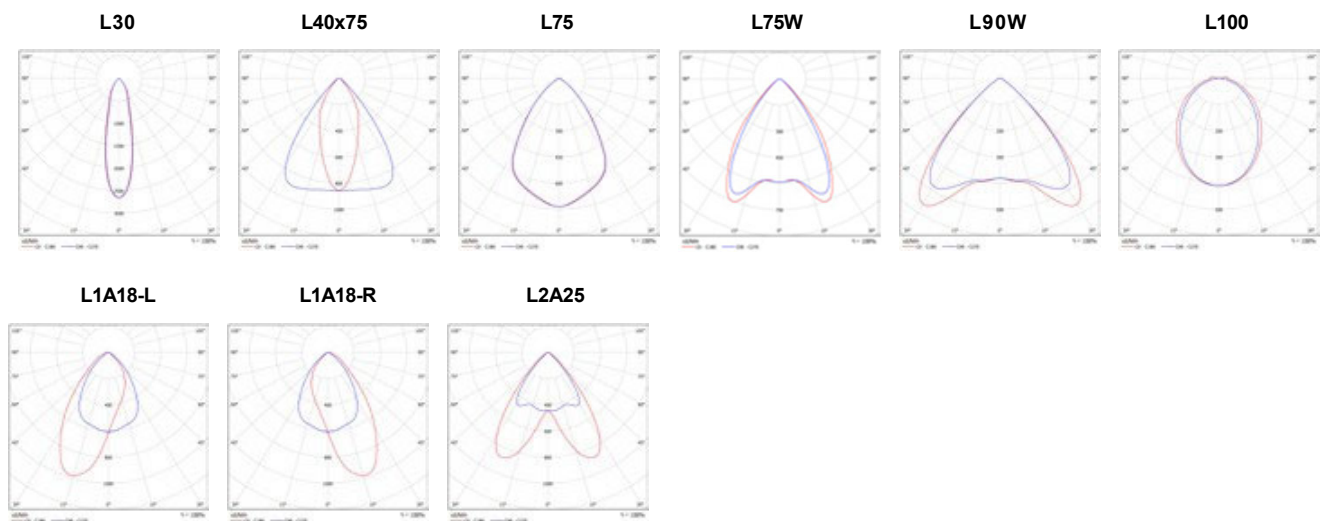
<sup>6</sup> Max wire length from EAIRB-M to last EAIRB-S - 11m

<sup>7</sup> For PULL and PULLDIM option luminaire housing is 50mm longer and switch is positioned at the end of luminaire

<sup>8</sup> EM options applicable for models longer than 1000mm

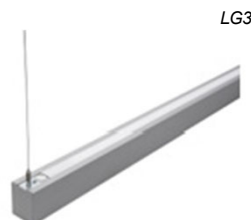
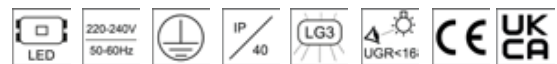
<sup>9</sup> For I-join L and I-join LL models joint kit not included, 1LIN option included (5TB option for lengths up to 800mm)

<sup>10</sup> For suspended luminaires it is recommended to use one of CBF option for easier mounting



# FLARES L LED

## Aluminum Profile Luminaires

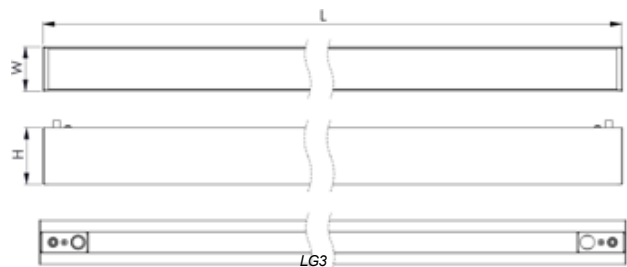


**DESCRIPTION:** **Suspended middle profile LED luminaire for in-line connection**  
**Light distribution type:** direct/indirect  
**Optical system:** opal polycarbonate diffuser / matt micro-prismatic polycarbonate diffuser, low glare  
**Housing:** aluminium  
**Colour:** light grey, RAL9006S; white, RAL9003S; black, RAL9005S

**GENERAL DATA:** **Mains voltage:** 220-240V, 0/50-60Hz  
**LED lifetime, h:** 50000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP40  
**Mechanical impact resistance:** IK05  
**Glow wire test, °C:** 650  
**Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** Suspended (wire, cable and cap to be ordered separately), with L/LL option is designed for in-line connection. Push-in terminal, 3x2x2.5mm²

**ENVIRONMENT:** Indoor  
Office, education, hotel, retail, public place



| Product                                             | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|-----------------------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| Flares L LED1x1550/950 H351 T830 OP LG3 LO1         | 1133       | 59        | 80         | 2341                  | 19,3             | 121                    | 80+        | 3000    | 2,7        |
| Flares L LED1x2100/1300 H352 T830 OP LG3 LO2        | 1133       | 59        | 80         | 3191                  | 27,2             | 117                    | 80+        | 3000    | 2,7        |
| Flares L LED1x2900/1750 H353 T830 OP LG3 LO3        | 1133       | 59        | 80         | 4386                  | 38,2             | 115                    | 80+        | 3000    | 2,7        |
| Flares L LED1x1950/1200 H354 T830 OP LG3 LO1        | 1413       | 59        | 80         | 2927                  | 22,8             | 128                    | 80+        | 3000    | 3,2        |
| Flares L LED1x2600/1600 H355 T830 OP LG3 LO2        | 1413       | 59        | 80         | 3988                  | 33,7             | 118                    | 80+        | 3000    | 3,2        |
| Flares L LED1x3600/2200 H356 T830 OP LG3 LO3        | 1413       | 59        | 80         | 5482                  | 47,8             | 115                    | 80+        | 3000    | 3,2        |
| Flares L LED1x1550/950 H351 T840 OP LG3 LO1         | 1133       | 59        | 80         | 2452                  | 19,3             | 127                    | 80+        | 4000    | 2,7        |
| Flares L LED1x2100/1300 H352 T840 OP LG3 LO2        | 1133       | 59        | 80         | 3340                  | 27,2             | 123                    | 80+        | 4000    | 2,7        |
| Flares L LED1x2900/1750 H353 T840 OP LG3 LO3        | 1133       | 59        | 80         | 4592                  | 38,2             | 120                    | 80+        | 4000    | 2,7        |
| Flares L LED1x1950/1200 H354 T840 OP LG3 LO1        | 1413       | 59        | 80         | 3064                  | 22,8             | 134                    | 80+        | 4000    | 3,2        |
| Flares L LED1x2600/1600 H355 T840 OP LG3 LO2        | 1413       | 59        | 80         | 4176                  | 33,7             | 124                    | 80+        | 4000    | 3,2        |
| Flares L LED1x3600/2200 H356 T840 OP LG3 LO3        | 1413       | 59        | 80         | 5739                  | 47,8             | 120                    | 80+        | 4000    | 3,2        |
| Flares L LED1x1450/950 H351 T830 DPRZ LT80 LG3 LO1  | 1133       | 59        | 80         | 2244                  | 19,3             | 116                    | 80+        | 3000    | 2,7        |
| Flares L LED1x1950/1300 H352 T830 DPRZ LT80 LG3 LO2 | 1133       | 59        | 80         | 3058                  | 27,2             | 112                    | 80+        | 3000    | 2,7        |
| Flares L LED1x2700/1750 H353 T830 DPRZ LT80 LG3 LO3 | 1133       | 59        | 80         | 4204                  | 38,2             | 110                    | 80+        | 3000    | 2,7        |
| Flares L LED1x1800/1200 H354 T830 DPRZ LT80 LG3 LO1 | 1413       | 59        | 80         | 2805                  | 22,8             | 123                    | 80+        | 3000    | 3,2        |
| Flares L LED1x2450/1600 H355 T830 DPRZ LT80 LG3 LO2 | 1413       | 59        | 80         | 3823                  | 33,7             | 113                    | 80+        | 3000    | 3,2        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

| Product                                             | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI* (Ra) | CCT*, K | Weight, kg |
|-----------------------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----------|---------|------------|
| Flares L LED1x3350/2200 H356 T830 DPRZ LT80 LG3 LO3 | 1413       | 59        | 80         | 5255                  | 47,8             | 110                    | 80+       | 3000    | 3,2        |
| Flares L LED1x1450/950 H351 T840 DPRZ LT80 LG3 LO1  | 1133       | 59        | 80         | 2350                  | 19,3             | 122                    | 80+       | 4000    | 2,7        |
| Flares L LED1x1950/1300 H352 T840 DPRZ LT80 LG3 LO2 | 1133       | 59        | 80         | 3201                  | 27,2             | 118                    | 80+       | 4000    | 2,7        |
| Flares L LED1x2700/1750 H353 T840 DPRZ LT80 LG3 LO3 | 1133       | 59        | 80         | 4401                  | 38,2             | 115                    | 80+       | 4000    | 2,7        |
| Flares L LED1x1800/1200 H354 T840 DPRZ LT80 LG3 LO1 | 1413       | 59        | 80         | 2937                  | 22,8             | 129                    | 80+       | 4000    | 3,2        |
| Flares L LED1x2450/1600 H355 T840 DPRZ LT80 LG3 LO2 | 1413       | 59        | 80         | 4002                  | 33,7             | 119                    | 80+       | 4000    | 3,2        |
| Flares L LED1x3350/2200 H356 T840 DPRZ LT80 LG3 LO3 | 1413       | 59        | 80         | 5501                  | 47,8             | 115                    | 80+       | 4000    | 3,2        |

#### AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 2pcs of MTG SUSI KIT required*



**Product:** CAP cable clip D6.3mm SET clear  
**Description:** Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



**Product:** CAP cable 3x0.75 2.0m clear  
**Description:** Cable 3x0.75mm<sup>2</sup> for suspended luminaire up to 2.0 meters, transparent



**Product:** CAP4, light grey/ white/ black  
**Description:** Square FLARESative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm<sup>2</sup>, light grey/ white/ black



**Product:** CAP5, light grey/ white/ black  
**Description:** Square FLARESative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm<sup>2</sup>, light grey/ white/ black

**Product:** WALL MTG KIT - FLARES L/LP LED RAL9006S (P)

**Description:** Support bracket for luminaire installation onto wall. FLARES L/LP LED, 1pcs  
*\*note - 2pcs WALL MTG KIT - elements for length up to 2000mm, 3pcs for lengths 2000 - 3000mm required*

#### OPTIONS AVAILABLE ON REQUEST:

| LED  | REFLECTOR AND | CONTROL GEAR           | SENSORS                     | EMERGENCY             | CONNECTION                   | OTHER            | COLOUR |
|------|---------------|------------------------|-----------------------------|-----------------------|------------------------------|------------------|--------|
| T830 | OP            | DALI <sup>1</sup>      | MW <sup>3 4</sup>           | EM3 <sup>6 7 8</sup>  | 1LIN                         | L <sup>10</sup>  | RAL    |
| T840 | DPRZ LT80     | DALIsep <sup>1</sup>   | PIR <sup>3 4</sup>          | EM3A <sup>6 7 8</sup> | 2LIN                         | LL <sup>10</sup> |        |
|      |               | EAIRB <sup>2 3 4</sup> | PIR BLT DALI <sup>3 4</sup> | EM3D <sup>6 7 8</sup> | 3LIN                         | SUS <sup>9</sup> |        |
|      |               | BLT                    |                             |                       | 2G                           |                  |        |
|      |               | KRBLT                  |                             |                       | CBF3-2.0m clear <sup>9</sup> |                  |        |
|      |               | KRBLT DALI             |                             |                       |                              |                  |        |
|      |               | TW                     |                             |                       |                              |                  |        |
|      |               | PULL <sup>5</sup>      |                             |                       |                              |                  |        |
|      |               | PULLDIM <sup>5</sup>   |                             |                       |                              |                  |        |
|      |               | Lsep                   |                             |                       |                              |                  |        |

1 For DALI LIN option wires are 2x0.5mm<sup>2</sup>

2 Ingress protection IP20

3 For options EAIRB, MW and PIR luminaire housing is 72mm longer

4 The EAIRB, MW and PIR sensors are positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm

5 For PULL and PULLDIM options luminaire housing is 50mm longer and switch is positioned at the end of luminaire

6 When emergency mode is active, only DOWN part is illuminated

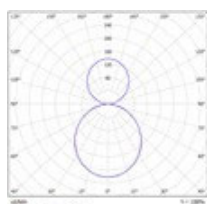
7 EM options applicable for models longer than 1000mm

8 Operating temperature range for Luminaires with EM option, °C: ta 0... +35

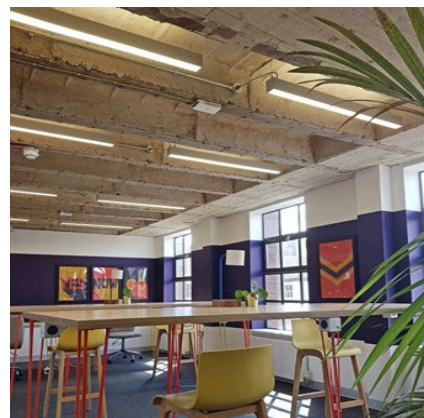
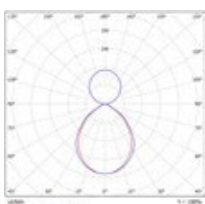
9 For suspended luminaires it is recommended to use one of CBF option for easier mounting

10 For L and LL models joint kit and 1LIN option included (5TB option for lengths up to 800mm)

OP LG3



DPRZ LT80 LG3



# FLARES LP LED

## Aluminum Profile Luminaires

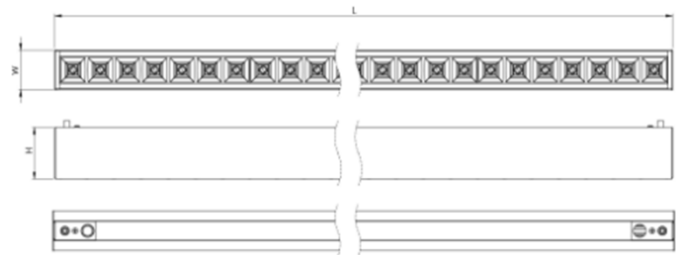
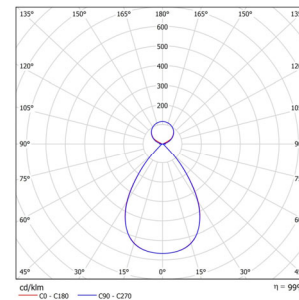


**DESCRIPTION:** **Suspended middle profile LED luminaire**  
**Light distribution type:** direct/indirect  
**Optical system:** double parabolic reflector with lenses, low glare  
**Housing:** aluminium  
**Colour:** light grey, RAL9006S; white, RAL9003S; black, RAL9005S

**GENERAL DATA:** **Mains voltage:** 220-240V, 0/50-60Hz **LED**  
**lifetime, h:** 100000/L80B10 **SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP40 **Mechanical impact resistance:** IK05 **Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** Suspended (wire, cable and cap to be ordered separately) Push-in terminal, 3x2x2.5mm2

**ENVIRONMENT:** Indoor  
Office, education, retail, public place



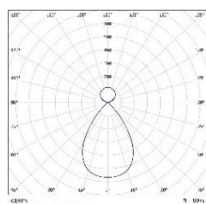
| Product                                         | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|-------------------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| Flares LP LED1x3050/1400 K186 T830 WMC LG3 LO1  | 1136       | 59        | 80         | 4227                  | 25,4             | 166                    | 80+        | 3000    | 2,7        |
| Flares LP LED1x3750/1750 K187 T830 WMC LG3 LO2  | 1136       | 59        | 80         | 5203                  | 32,1             | 162                    | 80+        | 3000    | 2,7        |
| Flares LP LED1x4400/2050 K188 T830 WMC LG3 LO3  | 1136       | 59        | 80         | 6202                  | 38,4             | 162                    | 80+        | 3000    | 2,7        |
| Flares LP LED1x5100/2350 K189 T830 WMC LG3 LO4  | 1136       | 59        | 80         | 7180                  | 45,4             | 158                    | 80+        | 3000    | 2,7        |
| Flares LP LED1x3800/1700 K190 T830 WMC LG3 LO1  | 1416       | 59        | 80         | 5216                  | 31,3             | 167                    | 80+        | 3000    | 3,2        |
| Flares LP LED1x4650/2100 K191 T830 WMC LG3 LO2  | 1416       | 59        | 80         | 6421                  | 39,1             | 164                    | 80+        | 3000    | 3,2        |
| Flares LP LED1x5500/2450 K192 T830 WMC LG3 LO3  | 1416       | 59        | 80         | 7587                  | 47,4             | 160                    | 80+        | 3000    | 3,2        |
| Flares LP LED1x6400/2850 K193 T830 WMC LG3 LO4  | 1416       | 59        | 80         | 8785                  | 55,3             | 159                    | 80+        | 3000    | 3,2        |
| Flares LP LED1x6050/2800 K194 T830 WMC LG3 LO1  | 2256       | 59        | 80         | 8454                  | 49,7             | 170                    | 80+        | 3000    | 5,3        |
| Flares LP LED1x7450/3450 K195 T830 WMC LG3 LO2  | 2256       | 59        | 80         | 10406                 | 62,1             | 168                    | 80+        | 3000    | 5,3        |
| Flares LP LED1x8800/4100 K196 T830 WMC LG3 LO3  | 2256       | 59        | 80         | 12296                 | 75,3             | 163                    | 80+        | 3000    | 5,3        |
| Flares LP LED1x10200/4700 K197 T830 WMC LG3 LO4 | 2256       | 59        | 80         | 14237                 | 88,9             | 160                    | 80+        | 3000    | 5,3        |
| Flares LP LED1x7550/3400 K198 T830 WMC LG3 LO1  | 2816       | 59        | 80         | 10432                 | 60,6             | 172                    | 80+        | 3000    | 6,6        |
| Flares LP LED1x9300/4150 K199 T830 WMC LG3 LO2  | 2816       | 59        | 80         | 12842                 | 76,5             | 168                    | 80+        | 3000    | 6,6        |
| Flares LP LED1x11000/4900 K200 T830 WMC LG3 LO3 | 2816       | 59        | 80         | 15175                 | 92,8             | 164                    | 80+        | 3000    | 6,6        |
| Flares LP LED1x12750/5650 K201 T830 WMC LG3 LO4 | 2816       | 59        | 80         | 17570                 | 109,5            | 160                    | 80+        | 3000    | 6,6        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

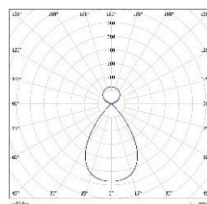
| Product                                         | Length,<br>mm | Width,<br>mm | Height,<br>mm | Luminaire<br>output*, lm | System<br>power*,<br>W | System<br>efficacy*,<br>lm/W | CRI *<br>(Ra) | CCT*,<br>K | Weight,<br>kg |
|-------------------------------------------------|---------------|--------------|---------------|--------------------------|------------------------|------------------------------|---------------|------------|---------------|
| Flares LP LED1x3050/1400 K186 T840 WMC LG3 LO1  | 1136          | 59           | 80            | 4414                     | 25,4                   | 174                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x3750/1750 K187 T840 WMC LG3 LO2  | 1136          | 59           | 80            | 5433                     | 32,1                   | 169                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x4400/2050 K188 T840 WMC LG3 LO3  | 1136          | 59           | 80            | 6421                     | 38,5                   | 167                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x5100/2350 K189 T840 WMC LG3 LO4  | 1136          | 59           | 80            | 7434                     | 45,4                   | 164                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x3800/1700 K190 T840 WMC LG3 LO1  | 1416          | 59           | 80            | 5447                     | 31,3                   | 174                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x4650/2100 K191 T840 WMC LG3 LO2  | 1416          | 59           | 80            | 6705                     | 39,1                   | 171                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x5500/2450 K192 T840 WMC LG3 LO3  | 1416          | 59           | 80            | 7924                     | 47,4                   | 167                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x6400/2850 K193 T840 WMC LG3 LO4  | 1416          | 59           | 80            | 9174                     | 55,3                   | 166                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x6050/2800 K194 T840 WMC LG3 LO1  | 2256          | 59           | 80            | 8829                     | 49,7                   | 178                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x7450/3450 K195 T840 WMC LG3 LO2  | 2256          | 59           | 80            | 10867                    | 62,1                   | 175                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x8800/4100 K196 T840 WMC LG3 LO3  | 2256          | 59           | 80            | 12842                    | 75,3                   | 171                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x10200/4700 K197 T840 WMC LG3 LO4 | 2256          | 59           | 80            | 14868                    | 88,9                   | 167                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x7550/3400 K198 T840 WMC LG3 LO1  | 2816          | 59           | 80            | 10895                    | 60,6                   | 180                          | 80+           | 4000       | 6,6           |
| Flares LP LED1x9300/4150 K199 T840 WMC LG3 LO2  | 2816          | 59           | 80            | 13411                    | 76,5                   | 175                          | 80+           | 4000       | 6,6           |
| Flares LP LED1x11000/4900 K200 T840 WMC LG3 LO3 | 2816          | 59           | 80            | 15847                    | 92,8                   | 171                          | 80+           | 4000       | 6,6           |
| Flares LP LED1x12750/5650 K201 T840 WMC LG3 LO4 | 2816          | 59           | 80            | 18348                    | 109,5                  | 168                          | 80+           | 4000       | 6,6           |
| Flares LP LED1x2600/1400 K186 T830 BMC LG3 LO1  | 1136          | 59           | 80            | 3827                     | 25,4                   | 151                          | 80+           | 3000       | 2,7           |
| Flares LP LED1x3200/1750 K187 T830 BMC LG3 LO2  | 1136          | 59           | 80            | 4710                     | 32,1                   | 147                          | 80+           | 3000       | 2,7           |
| Flares LP LED1x3800/2050 K188 T830 BMC LG3 LO3  | 1136          | 59           | 80            | 5612                     | 38,5                   | 146                          | 80+           | 3000       | 2,7           |
| Flares LP LED1x4400/2350 K189 T830 BMC LG3 LO4  | 1136          | 59           | 80            | 6496                     | 45,4                   | 143                          | 80+           | 3000       | 2,7           |
| Flares LP LED1x3250/1700 K190 T830 BMC LG3 LO1  | 1416          | 59           | 80            | 4717                     | 31,3                   | 151                          | 80+           | 3000       | 3,2           |
| Flares LP LED1x4000/2100 K191 T830 BMC LG3 LO2  | 1416          | 59           | 80            | 5806                     | 39,1                   | 148                          | 80+           | 3000       | 3,2           |
| Flares LP LED1x4750/2450 K192 T830 BMC LG3 LO3  | 1416          | 59           | 80            | 6859                     | 47,4                   | 145                          | 80+           | 3000       | 3,2           |
| Flares LP LED1x5500/2850 K193 T830 BMC LG3 LO4  | 1416          | 59           | 80            | 7941                     | 55,3                   | 144                          | 80+           | 3000       | 3,2           |
| Flares LP LED1x5200/2800 K194 T830 BMC LG3 LO1  | 2256          | 59           | 80            | 7654                     | 49,7                   | 154                          | 80+           | 3000       | 5,3           |
| Flares LP LED1x6400/3450 K195 T830 BMC LG3 LO2  | 2256          | 59           | 80            | 9421                     | 62,1                   | 152                          | 80+           | 3000       | 5,3           |
| Flares LP LED1x7600/4100 K196 T830 BMC LG3 LO3  | 2256          | 59           | 80            | 11131                    | 75,3                   | 148                          | 80+           | 3000       | 5,3           |
| Flares LP LED1x8800/4700 K197 T830 BMC LG3 LO4  | 2256          | 59           | 80            | 12887                    | 88,9                   | 145                          | 80+           | 3000       | 5,3           |
| Flares LP LED1x6500/3400 K198 T830 BMC LG3 LO1  | 2816          | 59           | 80            | 9433                     | 60,6                   | 156                          | 80+           | 3000       | 6,6           |
| Flares LP LED1x8000/4150 K199 T830 BMC LG3 LO2  | 2816          | 59           | 80            | 11611                    | 76,5                   | 152                          | 80+           | 3000       | 6,6           |
| Flares LP LED1x9500/4900 K200 T830 BMC LG3 LO3  | 2816          | 59           | 80            | 13719                    | 92,8                   | 148                          | 80+           | 3000       | 6,6           |
| Flares LP LED1x11000/5650 K201 T830 BMC LG3 LO4 | 2816          | 59           | 80            | 15883                    | 109,5                  | 145                          | 80+           | 3000       | 6,6           |
| Flares LP LED1x2600/1400 K186 T840 BMC LG3 LO1  | 1136          | 59           | 80            | 3998                     | 25,4                   | 157                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x3200/1750 K187 T840 BMC LG3 LO2  | 1136          | 59           | 80            | 4920                     | 32,1                   | 153                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x3800/2050 K188 T840 BMC LG3 LO3  | 1136          | 59           | 80            | 5814                     | 38,5                   | 151                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x4400/2350 K189 T840 BMC LG3 LO4  | 1136          | 59           | 80            | 6730                     | 45,4                   | 148                          | 80+           | 4000       | 2,7           |
| Flares LP LED1x3250/1700 K190 T840 BMC LG3 LO1  | 1416          | 59           | 80            | 4926                     | 31,3                   | 157                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x4000/2100 K191 T840 BMC LG3 LO2  | 1416          | 59           | 80            | 6063                     | 39,1                   | 155                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x4750/2450 K192 T840 BMC LG3 LO3  | 1416          | 59           | 80            | 7164                     | 47,4                   | 151                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x5500/2850 K193 T840 BMC LG3 LO4  | 1416          | 59           | 80            | 8294                     | 55,3                   | 150                          | 80+           | 4000       | 3,2           |
| Flares LP LED1x5200/2800 K194 T840 BMC LG3 LO1  | 2256          | 59           | 80            | 7995                     | 49,7                   | 161                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x6400/3450 K195 T840 BMC LG3 LO2  | 2256          | 59           | 80            | 9840                     | 62,1                   | 158                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x7600/4100 K196 T840 BMC LG3 LO3  | 2256          | 59           | 80            | 11626                    | 75,3                   | 154                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x8800/4700 K197 T840 BMC LG3 LO4  | 2256          | 59           | 80            | 13460                    | 88,9                   | 151                          | 80+           | 4000       | 5,3           |
| Flares LP LED1x6500/3400 K198 T840 BMC LG3 LO1  | 2816          | 59           | 80            | 9853                     | 60,6                   | 163                          | 80+           | 4000       | 6,6           |
| Flares LP LED1x8000/4150 K199 T840 BMC LG3 LO2  | 2816          | 59           | 80            | 12127                    | 76,5                   | 159                          | 80+           | 4000       | 6,6           |
| Flares LP LED1x9500/4900 K200 T840 BMC LG3 LO3  | 2816          | 59           | 80            | 14328                    | 92,8                   | 154                          | 80+           | 4000       | 6,6           |
| Flares LP LED1x11000/5650 K201 T840 BMC LG3 LO4 | 2816          | 59           | 80            | 16588                    | 109,5                  | 151                          | 80+           | 4000       | 6,6           |

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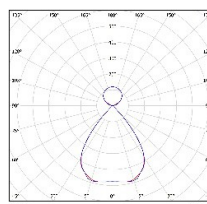
WMC LG3



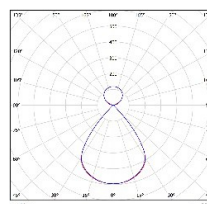
BMC LG3



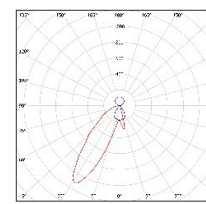
MGC LG3



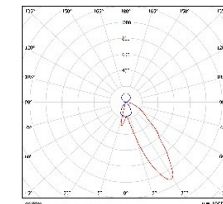
MMC LG3



WAC-L/BAC-L LG3



WAC-R/BAC-R LG3



## OPTIONS AVAILABLE ON REQUEST:

|                                                                                                                                                                 |                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| T830                                                                                                                                                            | Colour temperature 3000K, CRI 80+                                                                                           |
| T840                                                                                                                                                            | Colour temperature 4000K, CRI 80+                                                                                           |
| WMC                                                                                                                                                             | White matt reflector with clear lens                                                                                        |
| BMC                                                                                                                                                             | Black matt reflector with clear lens                                                                                        |
| MGC                                                                                                                                                             | Metallic mirror finish reflector with clear lens                                                                            |
| MMC                                                                                                                                                             | Metallic matt reflector with clear lens                                                                                     |
| WAC-L                                                                                                                                                           | Metallic mirror finish asymmetrical reflector with white shade and clear lens - left                                        |
| WAC-R                                                                                                                                                           | Metallic mirror finish asymmetrical reflector with white shade and clear lens - right                                       |
| BAC-L                                                                                                                                                           | Metallic mirror finish asymmetrical reflector with black shade and clear lens - left                                        |
| BAC-R                                                                                                                                                           | Metallic mirror finish asymmetrical reflector with black shade and clear lens - right                                       |
| <i>*note - module quantities per model: K186...K189 - 4; K190...K193 - 5; K194...K197 - 8; K198...K201 - 10</i>                                                 |                                                                                                                             |
| DALI                                                                                                                                                            | Driver with DALI interface and switch-control dimming                                                                       |
| DALIsep                                                                                                                                                         | Driver with DALI interface and with possibility to control down and up light separately                                     |
| <i>*note - for DALI LIN option wires are 2x0.5mm²</i>                                                                                                           |                                                                                                                             |
| EAIRB                                                                                                                                                           | Integrated smart sensor and driver with wireless communication and grouping possibilities for lighting control              |
| <i>*note - ingress protection IP20</i>                                                                                                                          |                                                                                                                             |
| <i>*note - For option EAIRB luminaire housing is 72mm longer</i>                                                                                                |                                                                                                                             |
| <i>*note - the EAIRB sensor are positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm</i> |                                                                                                                             |
| <i>*note - EAIRB option is not applicable for model: K177</i>                                                                                                   |                                                                                                                             |
| BLT                                                                                                                                                             | Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth)                          |
| KRBLT                                                                                                                                                           | Integrated wireless control unit and driver for lighting control via mobile device (KR system app), on/off                  |
| KRBLT DALI                                                                                                                                                      | Integrated wireless control unit and driver for lighting control via mobile device (KR system app), DALI with integrated PS |
| PULL                                                                                                                                                            | Pull switch device, on/off                                                                                                  |
| PULLDIM                                                                                                                                                         | Pull switch device and driver with switch-control dimming                                                                   |
| <i>*note - For PULL and PULLDIM option luminaire housing is 50mm longer and switch is positioned at the end of luminaire</i>                                    |                                                                                                                             |
| Lsep                                                                                                                                                            | Option that enables to control (on/off) Down and up lights separately                                                       |

|                                                                                                                                                             |                                                                                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| MW                                                                                                                                                          | Integrated microwave (MW) motion sensor with on-off control                                                       |
| <i>*note - for option MW luminaire housing is 72mm longer</i>                                                                                               |                                                                                                                   |
| <i>*note - the MW sensor is positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm</i> |                                                                                                                   |
| PIR                                                                                                                                                         | Integrated PIR sensor with on-off control                                                                         |
| PIR DALI                                                                                                                                                    | Integrated PIR sensor with power supply and DALI driver                                                           |
| PIR BLT DALI                                                                                                                                                | Integrated wireless PIR sensor with CASAMBI app control and DALI driver. Requires DALI power supply in the system |
| PIR KRBLT DALI                                                                                                                                              | Integrated wireless PIR sensor with power supply and DALI driver for KR system controls                           |
| <i>*note - for option PIR luminaire housing is 72mm longer</i>                                                                                              |                                                                                                                   |
| <i>*note - PIR sensor is positioned in the end of the luminaire for lengths up to 1800mm, and in the middle of the luminaire for lengths over 1800mm</i>    |                                                                                                                   |
| EM3                                                                                                                                                         | Emergency version 3 hours                                                                                         |
| EM3A                                                                                                                                                        | Emergency version equipped with an autonomous testing system, 3 hours                                             |
| EM3D                                                                                                                                                        | Emergency version 3 hours with DALI interface                                                                     |
| <i>*note - When emergency mode is active, only DOWN part is illuminated</i>                                                                                 |                                                                                                                   |
| <i>*note - PIR+EM+DALI+L and LL options are applicable for models longer than 1200mm</i>                                                                    |                                                                                                                   |
| 1LIN                                                                                                                                                        | Through wiring single phase d=1.5 mm² with two push-in terminal blocks                                            |
| 2LIN                                                                                                                                                        | Through wiring two phases d=1.5 mm² with two push-in terminal blocks                                              |
| 3LIN                                                                                                                                                        | Through wiring three phases d=1.5 mm² with two push-in terminal blocks                                            |
| CBF3-2.0m clear                                                                                                                                             | Cable 3x0.75mm² for suspended luminaire up to 2.0 meters, transparent                                             |
| CBF3-3.0m clear                                                                                                                                             | Cable 3x0.75mm² for suspended luminaire up to 3.0 meters, transparent                                             |
| CBF5-2.0m clear                                                                                                                                             | Cable 5x0.75mm² for suspended luminaire up to 2.0 meters, transparent                                             |
| CBF5-3.0m clear                                                                                                                                             | Cable 5x0.75mm² for suspended luminaire up to 3.0 meters, transparent                                             |
| <i>*note - for suspended luminaires it is recommended to use one of CBF option for easier mounting</i>                                                      |                                                                                                                   |
| L                                                                                                                                                           | for in-line connection end/first luminaire                                                                        |
| LL                                                                                                                                                          | for in-line connection intermediate luminaire                                                                     |
| RAL9003S                                                                                                                                                    | RAL 9003S colour                                                                                                  |
| RAL9005S                                                                                                                                                    | RAL 9005S colour                                                                                                  |
| RAL                                                                                                                                                         | RAL colour                                                                                                        |

## AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 2pcs of MTG SUSI KIT required*



**Product:** CAP cable clip D6.3mm SET clear  
**Description:** Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



**Product:** CAP cable 3x0.75 2.0m clear  
**Description:** Cable 3x0.75mm² for suspended luminaire up to 2.0 meters, transparent



**Product:** Diffuser/panel removal tool for aluminium profile luminaires  
**Description:** A hand tool for removing the diffuser and panel from aluminium profile series luminaires during installation



**Product:** CAP4, light grey/ white/ black  
**Description:** Square FLAREsative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm², light grey/ white/ black

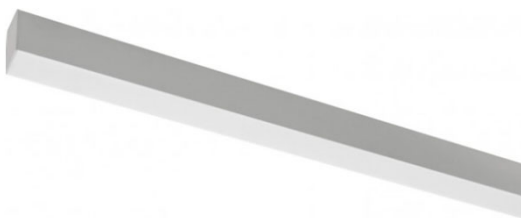


**Product:** CAP5, light grey/ white/ black  
**Description:** Square FLAREsative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm², light grey/ white/ black

**Product:** WALL MTG KIT - FLARES L/LP LED RAL9006S (P)  
**Description:** Support bracket for luminaire installation onto wall. FLARES L/LP LED, 1pcs  
*\*note - 2pcs WALL MTG KIT - elements for length up to 2000mm, 3pcs for lengths 2000 - 3000mm required*

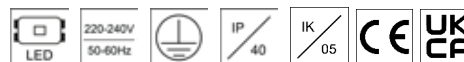


**Product:** Remote Control HRC-11  
**Description:** Remote control unit, for DALI applications  
*\*note - remote control for PIR DALI*



## FLARES S LED

### Aluminum Profile Luminaires



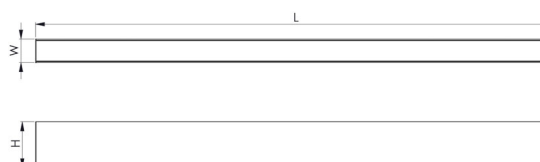
**DESCRIPTION:** Suspended middle profile LED luminaire for in-line connection  
**Light distribution type:** direct  
**Optical system:** opal polycarbonate diffuser  
**Housing:** aluminium  
**Colour:** light grey, RAL9006S;

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
LED lifetime, h: 50000/L80B10  
SDCM: 3  
Protection class IEC: I  
Ingress protection code: IP40  
Mechanical impact resistance: IK05  
Glow wire test, °C: 650  
Operating temperature range, °C: ta 0...+35

**INSTALLATION:** On the ceiling, suspended (wire, cable and cap to be ordered separately) with L/LL options is designed for in-line connection. Push-in terminal, 3x2x2.5mm2

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, household, hotel, corridor, retail, public place



| Product                             | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|-------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| FLARES S LED1x650 G384 T830 OP LO1  | 578        | 40        | 75         | 583                   | 6,8              | 86,00                  | 80+        | 3000    | 1,3        |
| FLARES S LED1x850 G385 T830 OP LO2  | 578        | 40        | 75         | 794                   | 9,6              | 83,00                  | 80+        | 3000    | 1,3        |
| FLARES S LED1x1150 G386 T830 OP LO3 | 578        | 40        | 75         | 1092                  | 13,3             | 82,00                  | 80+        | 3000    | 1,3        |
| FLARES S LED1x1750 J853 T830 OP LO4 | 578        | 40        | 75         | 1638                  | 18,9             | 87,00                  | 80+        | 3000    | 1,3        |
| FLARES S LED1x950 G387 T830 OP LO1  | 858        | 40        | 75         | 874                   | 10,1             | 86,00                  | 80+        | 3000    | 1,8        |
| FLARES S LED1x1250 G388 T830 OP LO2 | 858        | 40        | 75         | 1192                  | 13,6             | 87,00                  | 80+        | 3000    | 1,8        |
| FLARES S LED1x1750 G389 T830 OP LO3 | 858        | 40        | 75         | 1638                  | 18,9             | 87,00                  | 80+        | 3000    | 1,8        |
| FLARES S LED1x2600 J854 T830 OP LO4 | 858        | 40        | 75         | 2456                  | 28,7             | 86,00                  | 80+        | 3000    | 1,8        |
| FLARES S LED1x1250 G390 T830 OP LO1 | 1138       | 40        | 75         | 1166                  | 12,7             | 92,00                  | 80+        | 3000    | 2,4        |
| FLARES S LED1x1700 G391 T830 OP LO2 | 1138       | 40        | 75         | 1589                  | 17,1             | 93,00                  | 80+        | 3000    | 2,4        |
| FLARES S LED1x2300 G392 T830 OP LO3 | 1138       | 40        | 75         | 2183                  | 24,7             | 88,00                  | 80+        | 3000    | 2,4        |
| FLARES S LED1x3450 J855 T830 OP LO4 | 1138       | 40        | 75         | 3275                  | 38,6             | 85,00                  | 80+        | 3000    | 2,4        |
| FLARES S LED1x1550 G393 T830 OP LO1 | 1418       | 40        | 75         | 1457                  | 15,9             | 92,00                  | 80+        | 3000    | 2,9        |
| FLARES S LED1x2100 G394 T830 OP LO2 | 1418       | 40        | 75         | 1985                  | 21,4             | 93,00                  | 80+        | 3000    | 2,9        |
| FLARES S LED1x2900 G395 T830 OP LO3 | 1418       | 40        | 75         | 2729                  | 30,8             | 89,00                  | 80+        | 3000    | 2,9        |
| FLARES S LED1x4300 J856 T830 OP LO4 | 1418       | 40        | 75         | 4094                  | 47,8             | 86,00                  | 80+        | 3000    | 2,9        |
| FLARES S LED1x1850 G396 T830 OP LO1 | 1698       | 40        | 75         | 1748                  | 18               | 97,00                  | 80+        | 3000    | 3,4        |
| FLARES S LED1x2500 G397 T830 OP LO2 | 1698       | 40        | 75         | 2383                  | 25,2             | 94,00                  | 80+        | 3000    | 3,4        |
| FLARES S LED1x3450 G398 T830 OP LO3 | 1698       | 40        | 75         | 3275                  | 37               | 89,00                  | 80+        | 3000    | 3,4        |
| FLARES S LED1x5150 J857 T830 OP LO4 | 1698       | 40        | 75         | 4913                  | 56,7             | 87,00                  | 80+        | 3000    | 3,4        |
| FLARES S LED1x2150 G399 T830 OP LO1 | 1978       | 40        | 75         | 2040                  | 21               | 97,00                  | 80+        | 3000    | 4          |
| FLARES S LED1x2950 G400 T830 OP LO2 | 1978       | 40        | 75         | 2780                  | 29,3             | 95,00                  | 80+        | 3000    | 4          |
| FLARES S LED1x4050 G401 T830 OP LO3 | 1978       | 40        | 75         | 3821                  | 43,2             | 89,00                  | 80+        | 3000    | 4          |
| FLARES S LED1x6450 J858 T830 OP LO4 | 1978       | 40        | 75         | 6142                  | 70,1             | 88,00                  | 80+        | 3000    | 4          |
| FLARES S LED1x2450 G590 T830 OP LO1 | 2258       | 40        | 75         | 2332                  | 23,5             | 99,00                  | 80+        | 3000    | 4,6        |
| FLARES S LED1x3350 G591 T830 OP LO2 | 2258       | 40        | 75         | 3177                  | 33,6             | 95,00                  | 80+        | 3000    | 4,6        |
| FLARES S LED1x4600 G592 T830 OP LO3 | 2258       | 40        | 75         | 4367                  | 48,7             | 90,00                  | 80+        | 3000    | 4,6        |
| FLARES S LED1x6900 J859 T830 OP LO4 | 2258       | 40        | 75         | 6551                  | 77,3             | 85,00                  | 80+        | 3000    | 4,6        |
| FLARES S LED1x2750 G593 T830 OP LO1 | 2538       | 40        | 75         | 2623                  | 26,4             | 99,00                  | 80+        | 3000    | 5,1        |
| FLARES S LED1x3750 G594 T830 OP LO2 | 2538       | 40        | 75         | 3574                  | 37,7             | 95,00                  | 80+        | 3000    | 5,1        |
| FLARES S LED1x5150 G595 T830 OP LO3 | 2538       | 40        | 75         | 4913                  | 54,8             | 90,00                  | 80+        | 3000    | 5,1        |
| FLARES S LED1x7750 J860 T830 OP LO4 | 2538       | 40        | 75         | 7370                  | 83,2             | 89,00                  | 80+        | 3000    | 5,1        |
| FLARES S LED1x3250 G596 T830 OP LO1 | 2958       | 40        | 75         | 3060                  | 30,9             | 99,00                  | 80+        | 3000    | 6          |
| FLARES S LED1x4400 G597 T830 OP LO2 | 2958       | 40        | 75         | 4170                  | 44               | 95,00                  | 80+        | 3000    | 6          |
| FLARES S LED1x6050 G598 T830 OP LO3 | 2958       | 40        | 75         | 5732                  | 64               | 90,00                  | 80+        | 3000    | 6          |
| FLARES S LED1x650 G384 T840 OP LO1  | 578        | 40        | 75         | 610                   | 6,8              | 90,00                  | 80+        | 4000    | 1,3        |
| FLARES S LED1x850 G385 T840 OP LO2  | 578        | 40        | 75         | 832                   | 9,6              | 86,00                  | 80+        | 4000    | 1,3        |
| FLARES S LED1x1150 G386 T840 OP LO3 | 578        | 40        | 75         | 1143                  | 13,3             | 86,00                  | 80+        | 4000    | 1,3        |
| FLARES S LED1x1750 J853 T840 OP LO4 | 578        | 40        | 75         | 1715                  | 18,9             | 91,00                  | 80+        | 4000    | 1,3        |
| FLARES S LED1x950 G387 T840 OP LO1  | 858        | 40        | 75         | 916                   | 10,1             | 90,00                  | 80+        | 4000    | 1,8        |
| FLARES S LED1x1250 G388 T840 OP LO2 | 858        | 40        | 75         | 1247                  | 13,6             | 91,00                  | 80+        | 4000    | 1,8        |
| FLARES S LED1x1750 G389 T840 OP LO3 | 858        | 40        | 75         | 1715                  | 18,9             | 91,00                  | 80+        | 4000    | 1,8        |
| FLARES S LED1x2600 J854 T840 OP LO4 | 858        | 40        | 75         | 2572                  | 28,7             | 90,00                  | 80+        | 4000    | 1,8        |
| FLARES S LED1x1250 G390 T840 OP LO1 | 1138       | 40        | 75         | 1220                  | 12,7             | 96,00                  | 80+        | 4000    | 2,4        |
| FLARES S LED1x1700 G391 T840 OP LO2 | 1138       | 40        | 75         | 1663                  | 17,1             | 97,00                  | 80+        | 4000    | 2,4        |
| FLARES S LED1x2300 G392 T840 OP LO3 | 1138       | 40        | 75         | 2286                  | 24,7             | 93,00                  | 80+        | 4000    | 2,4        |
| FLARES S LED1x3450 J855 T840 OP LO4 | 1138       | 40        | 75         | 3430                  | 38,6             | 89,00                  | 80+        | 4000    | 2,4        |
| FLARES S LED1x1550 G393 T840 OP LO1 | 1418       | 40        | 75         | 1526                  | 15,9             | 96,00                  | 80+        | 4000    | 2,9        |
| FLARES S LED1x2100 G394 T840 OP LO2 | 1418       | 40        | 75         | 2079                  | 21,4             | 97,00                  | 80+        | 4000    | 2,9        |
| FLARES S LED1x2900 G395 T840 OP LO3 | 1418       | 40        | 75         | 2858                  | 30,8             | 93,00                  | 80+        | 4000    | 2,9        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

| Product                             | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|-------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| FLARES S LED1x4300 J856 T840 OP LO4 | 1418       | 40        | 75         | 4287                  | 47,8             | 90,00                  | 80+        | 4000    | 2,9        |
| FLARES S LED1x1850 G396 T840 OP LO1 | 1698       | 40        | 75         | 1831                  | 18               | 102,00                 | 80+        | 4000    | 3,4        |
| FLARES S LED1x2500 G397 T840 OP LO2 | 1698       | 40        | 75         | 2495                  | 25,2             | 99,00                  | 80+        | 4000    | 3,4        |
| FLARES S LED1x3450 G398 T840 OP LO3 | 1698       | 40        | 75         | 3430                  | 37               | 93,00                  | 80+        | 4000    | 3,4        |
| FLARES S LED1x1510 J857 T840 OP LO4 | 1698       | 40        | 75         | 5144                  | 56,7             | 91,00                  | 80+        | 4000    | 3,4        |
| FLARES S LED1x2150 G399 T840 OP LO1 | 1978       | 40        | 75         | 2136                  | 21               | 102,00                 | 80+        | 4000    | 4          |
| FLARES S LED1x2950 G400 T840 OP LO2 | 1978       | 40        | 75         | 2911                  | 29,3             | 99,00                  | 80+        | 4000    | 4          |
| FLARES S LED1x4050 G401 T840 OP LO3 | 1978       | 40        | 75         | 4001                  | 43,2             | 93,00                  | 80+        | 4000    | 4          |
| FLARES S LED1x6450 J858 T840 OP LO4 | 1978       | 40        | 75         | 6430                  | 70,1             | 92,00                  | 80+        | 4000    | 4          |
| FLARES S LED1x2450 G590 T840 OP LO1 | 2258       | 40        | 75         | 2441                  | 23,5             | 104,00                 | 80+        | 4000    | 4,6        |
| FLARES S LED1x3350 G591 T840 OP LO2 | 2258       | 40        | 75         | 3326                  | 33,6             | 99,00                  | 80+        | 4000    | 4,6        |
| FLARES S LED1x4600 G592 T840 OP LO3 | 2258       | 40        | 75         | 4573                  | 48,7             | 94,00                  | 80+        | 4000    | 4,6        |
| FLARES S LED1x6900 J859 T840 OP LO4 | 2258       | 40        | 75         | 6859                  | 77,3             | 89,00                  | 80+        | 4000    | 4,6        |
| FLARES S LED1x2750 G593 T840 OP LO1 | 2538       | 40        | 75         | 2746                  | 26,4             | 104,00                 | 80+        | 4000    | 5,1        |
| FLARES S LED1x3750 G594 T840 OP LO2 | 2538       | 40        | 75         | 3742                  | 37,7             | 99,00                  | 80+        | 4000    | 5,1        |
| FLARES S LED1x5150 G595 T840 OP LO3 | 2538       | 40        | 75         | 5144                  | 54,8             | 94,00                  | 80+        | 4000    | 5,1        |
| FLARES S LED1x7750 J860 T840 OP LO4 | 2538       | 40        | 75         | 7716                  | 83,2             | 93,00                  | 80+        | 4000    | 5,1        |
| FLARES S LED1x3250 G596 T840 OP LO1 | 2958       | 40        | 75         | 3204                  | 30,9             | 104,00                 | 80+        | 4000    | 6          |
| FLARES S LED1x4400 G597 T840 OP LO2 | 2958       | 40        | 75         | 4366                  | 44               | 99,00                  | 80+        | 4000    | 6          |
| FLARES S LED1x6050 G598 T840 OP LO3 | 2958       | 40        | 75         | 6001                  | 64               | 94,00                  | 80+        | 4000    | 6          |

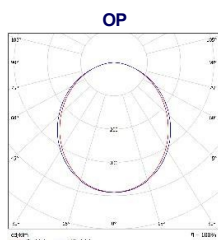
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. Manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

\*Photos are for illustrational purposes only. The exact appearance of the product may vary depending on the monitor settings, options selected and other factors.

#### AVAILABLE OPTIONS:

|                                                                                                                              |                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| T830                                                                                                                         | Colour temperature 3000K, CRI 80+                                                                  |
| T840                                                                                                                         | Colour temperature 4000K, CRI 80+                                                                  |
| OP                                                                                                                           | Opal diffuser with high light transmittance                                                        |
| LO1                                                                                                                          | Light output level 1                                                                               |
| LO2                                                                                                                          | Light output level 2                                                                               |
| LO3                                                                                                                          | Light output level 3                                                                               |
| LO4                                                                                                                          | Light output level 4                                                                               |
| DALI                                                                                                                         | Driver with DALI interface and switch-control dimming                                              |
| <i>*note - for DALI LIN option wires are 2x0.5mm<sup>2</sup></i>                                                             |                                                                                                    |
| BLT                                                                                                                          | Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth) |
| PULL                                                                                                                         | Pull switch device, on/off                                                                         |
| PULLDIM                                                                                                                      | Pull switch device and driver with switch-control dimming                                          |
| <i>*note - For PULL and PULLDIM option luminaire housing is 40mm longer and switch is positioned at the end of luminaire</i> |                                                                                                    |
| EM3                                                                                                                          | Emergency version 3 hours                                                                          |
| EM3B                                                                                                                         | Emergency version 3 hours (best available technology)                                              |
| EM3A                                                                                                                         | Emergency version equipped with an autonomous testing system, 3 hours                              |
| EM3D                                                                                                                         | Emergency version 3 hours with DALI interface                                                      |
| <i>*note - EM options applicable for models longer than 1000mm</i>                                                           |                                                                                                    |

|                                                                                                        |                                                                                                               |
|--------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 1LIN                                                                                                   | Through wiring single phase d=1.5 mm <sup>2</sup> with two push-in terminal blocks                            |
| 2LIN                                                                                                   | Through wiring two phases d=1.5 mm <sup>2</sup> with two push-in terminal blocks                              |
| 3LIN                                                                                                   | Through wiring three phases d=1.5 mm <sup>2</sup> with two push-in terminal blocks                            |
| <i>*note - LIN options applicable for models longer than 800mm</i>                                     |                                                                                                               |
| 2G                                                                                                     | Strain relief for power supply cable, 2pcs                                                                    |
| CBF3-2.0m clear                                                                                        | Cable 3x0.75mm <sup>2</sup> for suspended luminaire up to 2.0 meters, transparent                             |
| L                                                                                                      | for in-line connection end/first luminaire (lengths: 569/ 849/ 1129/ 1409/ 1689/ 1969/ 2249/ 2529/ 2949mm)    |
| LL                                                                                                     | for in-line connection intermediate luminaire (lengths: 563/ 843/ 1123/ 1403/ 1683/ 1963/ 2243/ 2523/ 2943mm) |
| <i>*note - for L and LL models 3LIN option applicable for models longer than 800mm</i>                 |                                                                                                               |
| SUS                                                                                                    | Suspended version                                                                                             |
| <i>*note - for suspended luminaires it is recommended to use one of CBF option for easier mounting</i> |                                                                                                               |
| RAL                                                                                                    | RAL colour                                                                                                    |



#### AVAILABLE ACCESSORIES:



Product: Suspension MTG KIT SUSI  
Description: Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 2pcs MTG SUSI KIT for length up to 2000mm*



Product: CAP cable 3x0.75 2.0m clear  
Description: Cable 3x0.75mm<sup>2</sup> for suspended luminaire up to 2.0 meters, transparent



Product: WALL MTG KIT - Decor S LED RAL9006S  
Description: Support bracket for Decor S LED luminaire installation onto the wall, 1pcs  
*\*note - 2pcs WALL MTG KIT for length up to 2000mm*



Product: CAP4, light grey/ white/ black  
Description: Square decorative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm<sup>2</sup>, light grey/ white/ black



Product: CAP cable clip D6.3mm SET clear  
Description: Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



Product: CAP5, light grey/ white/ black  
Description: Square decorative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm<sup>2</sup>, light grey/ white/ black



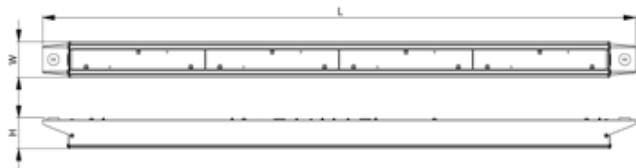
Product: Panel removal tool  
Description: A pair of Serpens S / Decor S panel removal tools for neat panel removal during installation

## GLIMMER Z LED

### Continuous Line and Batten Luminares



|                      |                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Mounted across cable trays batten LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> lenses<br><b>Housing:</b> zinc coated steel<br><b>Colour:</b> light grey                                                                               |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 0/50-60Hz<br><b>LED lifetime, h:</b> 100000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> I<br><b>Ingress protection code:</b> IP23<br><b>Mechanical impact resistance:</b> IK07<br><b>Operating temperature range, °C:</b> ta 0...+40 |
| <b>INSTALLATION:</b> | Across cable trays (adjustable mounting brackets included). Push-in terminal, 5x2x2.5mm <sup>2</sup>                                                                                                                                                                              |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                            |
| <b>APPLICATION:</b>  | Retail, hall, public place                                                                                                                                                                                                                                                        |



| PRODUCT                                 | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|-----------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| GLIMMER Z LED 1x5550 G634 T840 L75 HSB  | 1606-2446  | 75        | 80         | 5523                  | 30,0             | 184                    | 80+ | 4000    | 4,4        |
| GLIMMER Z LED 1x6600 G635 T840 L75 HSB  | 1606-2446  | 75        | 80         | 6567                  | 35,9             | 183                    | 80+ | 4000    | 4,4        |
| GLIMMER Z LED 1x7600 G636 T840 L75 HSB  | 1606-2446  | 75        | 80         | 7554                  | 41,6             | 181                    | 80+ | 4000    | 4,4        |
| GLIMMER Z LED 1x6950 G637 T840 L75 HSB  | 1906-2746  | 75        | 80         | 6904                  | 36,7             | 188                    | 80+ | 4000    | 4,6        |
| GLIMMER Z LED 1x8250 G638 T840 L75 HSB  | 1906-2746  | 75        | 80         | 8209                  | 44,4             | 185                    | 80+ | 4000    | 4,6        |
| GLIMMER Z LED 1x9450 G639 T840 L75 HSB  | 1906-2746  | 75        | 80         | 9442                  | 51,5             | 183                    | 80+ | 4000    | 4,6        |
| GLIMMER Z LED 1x11050 G640 T840 L75 HSB | 2746-3586  | 75        | 80         | 11046                 | 58,1             | 190                    | 80+ | 4000    | 5,0        |
| GLIMMER Z LED 1x13150 G641 T840 L75 HSB | 2746-3586  | 75        | 80         | 13134                 | 70,3             | 187                    | 80+ | 4000    | 5,0        |
| GLIMMER Z LED 1x15150 G642 T840 L75 HSB | 2746-3586  | 75        | 80         | 15108                 | 82,4             | 183                    | 80+ | 4000    | 5,0        |
| GLIMMER Z LED 1x13850 G643 T840 L75 HSB | 3260-4100  | 75        | 80         | 13808                 | 72,7             | 190                    | 80+ | 4000    | 5,4        |
| GLIMMER Z LED 1x16450 G644 T840 L75 HSB | 3260-4100  | 75        | 80         | 16418                 | 87,0             | 189                    | 80+ | 4000    | 5,4        |
| GLIMMER Z LED 1x18900 G645 T840 L75 HSB | 3260-4100  | 75        | 80         | 18884                 | 101,9            | 185                    | 80+ | 4000    | 5,4        |

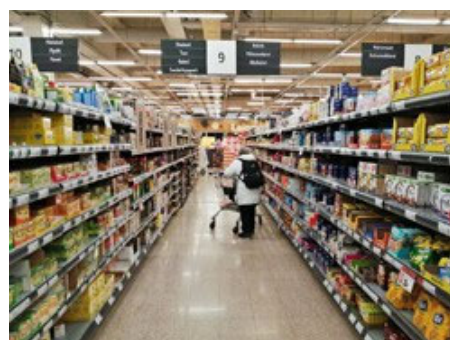
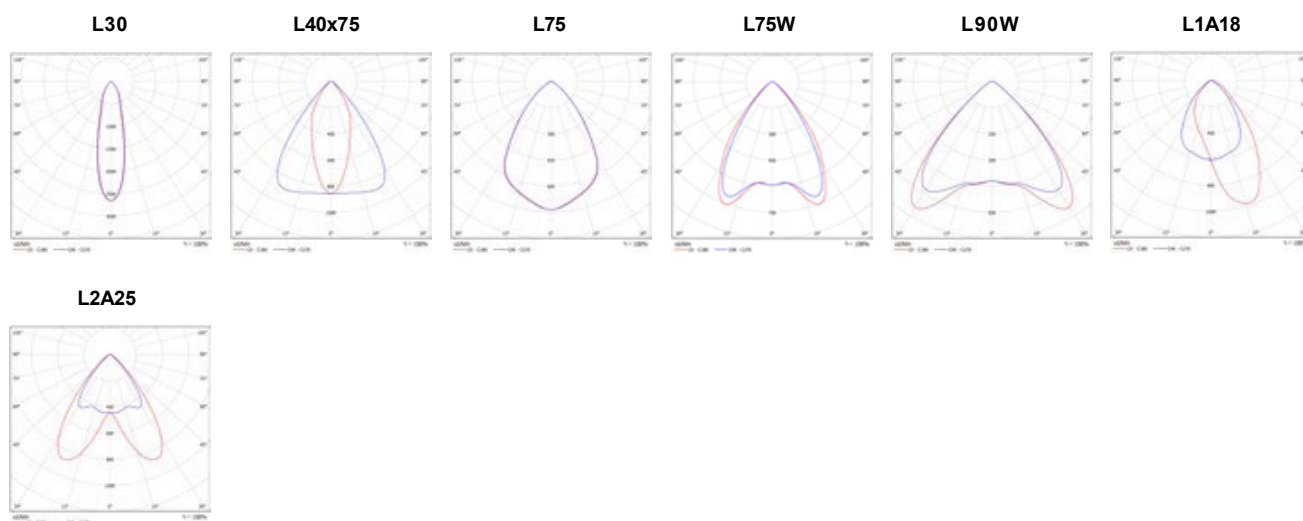
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

**OPTIONS AVAILABLE ON REQUEST:**

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR      | EMERGENCY         | CONNECTION | OTHER |
|------|----------------------|-------------------|-------------------|------------|-------|
| T830 | L30                  | DALI <sup>1</sup> | EM3 <sup>2</sup>  | L1         | HSB   |
| T840 | L40x75               | BLT               | EM3A <sup>2</sup> | L2         |       |
| T930 | L75                  | KRBLT             | EM3D <sup>2</sup> | L3         |       |
| T940 | L75W                 | KRBLT DALI        |                   | 2G         |       |
|      | L90W                 |                   |                   |            |       |
|      | L1A18                |                   |                   |            |       |
|      | L2A25                |                   |                   |            |       |

1 Minimum dimming level for models: G640; G641; G642; G643; G644; G645 is 1%. For other models - 10%

2 Operating temperature range for Luminaires with EM option, °C: ta 0... +35



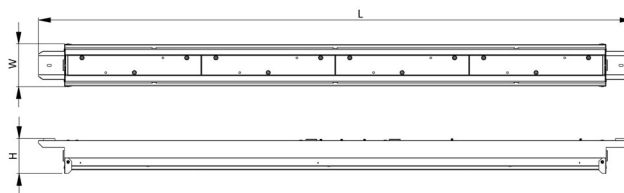


## VALKA W LED

### Continuous Line and Batten Luminaires



|                      |                                                                                                                                                                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Suspended continuous line LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> lenses<br><b>Housing:</b> steel<br><b>Colour:</b> white, RAL9003                                                                                                            |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 0/50-60Hz<br><b>LED lifetime, h:</b> 100000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> I<br><b>Ingress protection code:</b> IP23<br><b>Mechanical impact resistance:</b> IK07<br><b>Operating temperature range, °C:</b> ta -10...+40/ -10...+35 |
| <b>INSTALLATION:</b> | On the ceiling or suspended (suspension brackets to be ordered separately). Push-in terminal, 5x2x2.5mm <sup>2</sup>                                                                                                                                                                           |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                                         |
| <b>APPLICATION:</b>  | Retail, industry, warehouse, hall, public place                                                                                                                                                                                                                                                |



| PRODUCT                          | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|----------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| VALKA W LED1x5300 G415 T840 L75  | 1245       | 90        | 73         | 5260                  | 31,3             | 168                    | 80+ | 4000    | 3,4        |
| VALKA W LED1x7600 G416 T840 L75  | 1245       | 90        | 73         | 7554                  | 41,6             | 181                    | 80+ | 4000    | 3,4        |
| VALKA W LED1x10500 G417 T840 L75 | 1245       | 90        | 73         | 10466                 | 59,8             | 175                    | 80+ | 4000    | 3,4        |
| VALKA W LED1x6600 G419 T840 L75  | 1539       | 90        | 73         | 6575                  | 38,7             | 170                    | 80+ | 4000    | 4,0        |
| VALKA W LED1x9450 G420 T840 L75  | 1539       | 90        | 73         | 9442                  | 51,5             | 183                    | 80+ | 4000    | 4,0        |
| VALKA W LED1x13100 G421 T840 L75 | 1539       | 90        | 73         | 13082                 | 74,8             | 175                    | 80+ | 4000    | 4,0        |

\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

Note - for models: G415, G419 - only every second LED lights up

#### AVAILABLE ACCESSORIES:

|                                                                                     |                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Product:</b> GRID MTG KIT Blade W LED 1.2m RAL9003<br><b>Description:</b> Protective grid for Blade W/Z LED luminaires 1.2m, white                                                                                                                               |
|  | <b>Product:</b> GRID MTG KIT Blade W LED 1.5m RAL9003<br><b>Description:</b> Protective grid for Blade W/Z LED luminaires 1.5m, white                                                                                                                               |
|  | <b>Product:</b> Remote Control HRC-11<br><b>Description:</b> The functionality of the sensors is controlled by a number of parameters which can be changed or programmed remote with an infrared handset<br><i>*note - remote control for HBPIR-M; HBPIR DALI-M</i> |



**Product:** Wire suspension BRACKETS - Blade W/Z LED  
**Description:** Wire suspension brackets for Blade W/Z LED, galvanized steel, 2pcs



**Product:** Sensor HBEAIR D16/4-16m white  
**Description:** Integrated smart sensor for high ceiling (up to 16m) with wireless communication and grouping possibilities for lighting control  
*\*note - remote control for HBPIR-M; HBPIR DALI-M*

## RAY A LED

### Continuous Line and Batten Luminares



**DESCRIPTION:** Suspended continuous line LED luminaire  
**Light distribution type:** direct  
**Optical system:** lenses  
**Housing:** steel  
**Colour:** white, RAL9003

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
**LED lifetime, h:** 100000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP20  
**Mechanical impact resistance:** IK05  
**Operating temperature range, °C:** ta 0...+35/+40

**INSTALLATION:** Suspended linier (suspension brackets and I-join kit included with each luminaire). Through wired, 5x1.5mm², two 5-pole connectors, plug and socket

**ENVIRONMENT:** Indoor

**APPLICATION:** Retail, hall, public place



| PRODUCT                                  | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|------------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| RAY A LED1x3800 J163 T840 L75 LO1 L1 LL  | 1132       | 45        | 65         | 3796                  | 21,8             | 174                    | 80+ | 4000    | 3,2        |
| RAY A LED1x5300 J164 T840 L75 LO2 L1 LL  | 1132       | 45        | 65         | 5260                  | 31,7             | 166                    | 80+ | 4000    | 3,2        |
| RAY A LED1x5550 J165 T840 L75 LO3 L1 LL  | 1132       | 45        | 65         | 5523                  | 30,0             | 184                    | 80+ | 4000    | 3,2        |
| RAY A LED1x6600 J166 T840 L75 LO4 L1 LL  | 1132       | 45        | 65         | 6567                  | 35,9             | 183                    | 80+ | 4000    | 3,2        |
| RAY A LED1x7600 J167 T840 L75 LO5 L1 LL  | 1132       | 45        | 65         | 7554                  | 41,6             | 182                    | 80+ | 4000    | 3,2        |
| RAY A LED1x4750 J168 T840 L75 LO1 L1 LL  | 1413       | 45        | 65         | 4746                  | 27,0             | 176                    | 80+ | 4000    | 3,5        |
| RAY A LED1x6600 J169 T840 L75 LO2 L1 LL  | 1413       | 45        | 65         | 6575                  | 38,7             | 170                    | 80+ | 4000    | 3,5        |
| RAY A LED1x6950 J170 T840 L75 LO3 L1 LL  | 1413       | 45        | 65         | 6904                  | 36,7             | 188                    | 80+ | 4000    | 3,5        |
| RAY A LED1x8250 J171 T840 L75 LO4 L1 LL  | 1413       | 45        | 65         | 8209                  | 44,4             | 185                    | 80+ | 4000    | 3,5        |
| RAY A LED1x9450 J172 T840 L75 LO5 L1 LL  | 1413       | 45        | 65         | 9442                  | 51,5             | 183                    | 80+ | 4000    | 3,5        |
| RAY A LED1x9500 J173 T840 L75 LO1 L1 LL  | 2818       | 45        | 65         | 9491                  | 51,6             | 184                    | 80+ | 4000    | 5,0        |
| RAY A LED1x13150 J174 T840 L75 LO2 L1 LL | 2818       | 45        | 65         | 13150                 | 75,0             | 175                    | 80+ | 4000    | 5,0        |
| RAY A LED1x13850 J175 T840 L75 LO3 L1 LL | 2818       | 45        | 65         | 13808                 | 72,7             | 190                    | 80+ | 4000    | 5,0        |
| RAY A LED1x16450 J176 T840 L75 LO4 L1 LL | 2818       | 45        | 65         | 16418                 | 87,0             | 189                    | 80+ | 4000    | 5,0        |
| RAY A LED1x18900 J177 T840 L75 LO5 L1 LL | 2818       | 45        | 65         | 18884                 | 101,9            | 185                    | 80+ | 4000    | 5,0        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

Note - for versions: LO1, LO2 - only every second LED lights up

#### AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 2pcs MTG SUSI KIT for length up to 2000mm, 3pcs MTG SUSI KIT for lengths 2000 - 3000mm*



**Product:** CAP cable clip D6.3mm SET clear  
**Description:** Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



**Product:** BLANK RAY A LED L1132mm RAL9003  
**Description:** Blank part kit for connecting luminaires in-line 1134mm long, 1pcs

**Product:** BLANK RAY A LED L1413mm RAL9003  
**Description:** Blank part kit for connecting luminaires in-line 1415mm long, 1pcs

**Product:** BLANK RAY A LED L2818mm RAL9003  
**Description:** Blank part kit for connecting luminaires in-line 2820mm long, 1pcs

*\*BLANK RAY A LED with Capheus B LED luminaire  
\*Ask for special models*



**Product:** CAP cable 3x0.75 2.0m clear  
**Description:** Cable 3x0.75mm<sup>2</sup> for suspended luminaire up to 2.0 meters, transparent



**Product:** END CAP RAY A LED RAL9003  
**Description:** End cap kit for RAY A LED luminaires, 1pcs (extra)



**Product:** CAP4, light grey/ white/ black  
**Description:** Square FLARE Sative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm<sup>2</sup>, light grey/ white/ black

**Product:** CAP5, light grey/ white/ black  
**Description:** Square FLARE Sative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm<sup>2</sup>, light grey/ white/ black



**Product:** Power supply socket 1602/VCB-M-5 5x1.5-2.5mm<sup>2</sup>

**Description:** 5-pole socket (Stucchi - 1602/VCB-M-5) for power supply, 1pcs

*\*note - please use power supply socket for first in-line luminaire connection to power source*

#### OPTIONS AVAILABLE ON REQUEST:

| LED  | REFLECTOR AND | LIGHT OUTPUT | CONTROL GEAR             | EMERGENCY                       | CONNECTION | COLOUR |
|------|---------------|--------------|--------------------------|---------------------------------|------------|--------|
| T830 | L30           | LO1...5      | DALI 2WIE5D <sup>1</sup> | EM3 <sup>2</sup>                | L1         | RAL    |
| T840 | L40x75        |              | BLT                      | EM3A <sup>2</sup>               | L2         |        |
| T930 | L75           |              |                          | DALI EM3D 2WIE5D <sup>3</sup> 4 | L3         |        |
| T940 | L75W          |              |                          |                                 |            |        |
|      | L90W          |              |                          |                                 |            |        |
|      | L100          |              |                          |                                 |            |        |
|      | L1A18-L       |              |                          |                                 |            |        |
|      | L1A18-R       |              |                          |                                 |            |        |
|      | L2A25         |              |                          |                                 |            |        |

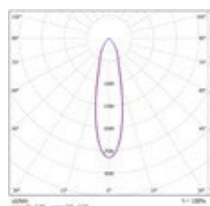
1 With 2WIE5D option luminaire is throughwired with only one phase

2 For EM option power supply L3 phase is used. Luminaire is 2LIN and control options are not compatible

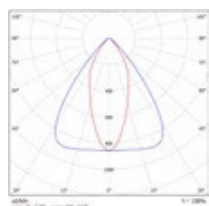
3 With DALI EM3D 2WIE5D option luminaire is throughwired with only one phase. Therefore, luminaire switching on/off is only possible with DALI signal

4 Operating temperature range for Luminaires with EM option, °C: ta 0... +35

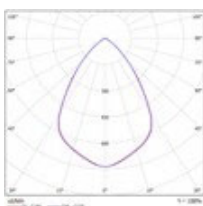
L30



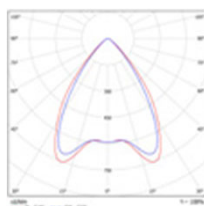
L40x75



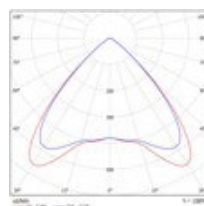
L75



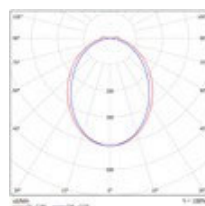
L75W



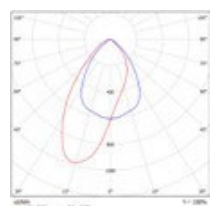
L90W



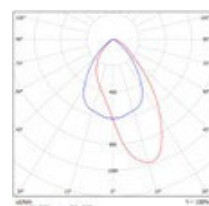
L100



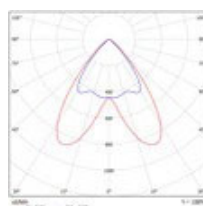
L1A18-L

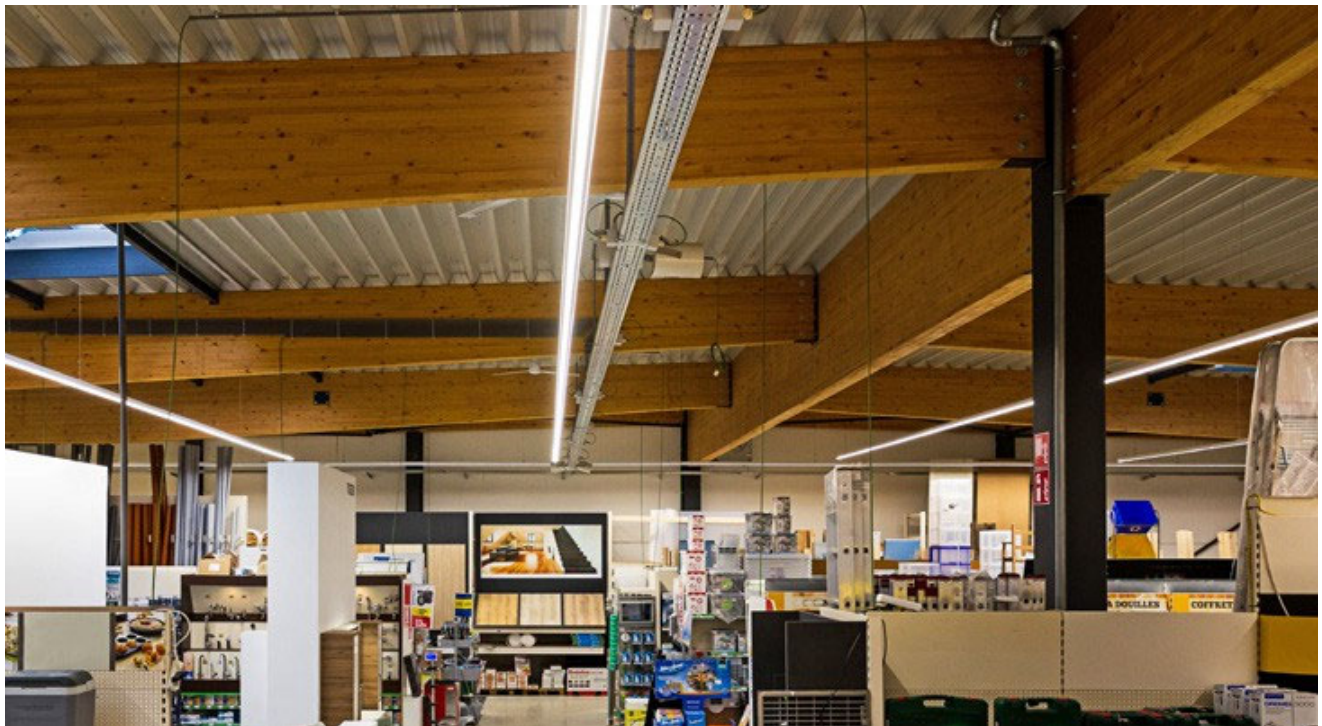


L1A18-R



L2A25





# RAY A LED CORNER90

## Continuous Line and Batten Luminares



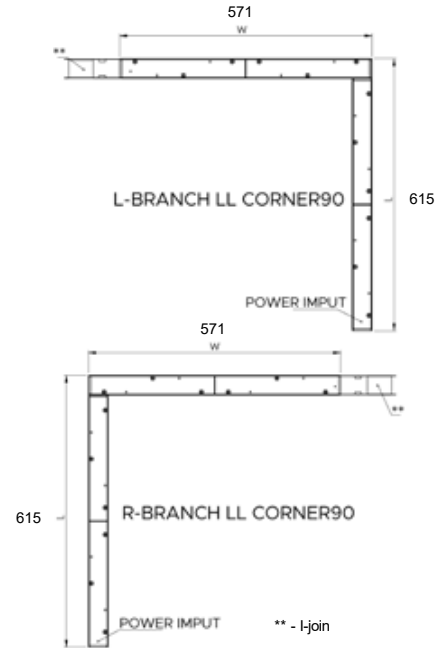
**DESCRIPTION:** Suspended continuous line LED luminaire  
Light distribution type: direct  
Optics: lenses  
Housing: steel  
Colour: white, RAL9003

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
LED lifetime, h: 100000/L80B10  
SDCM: 3  
Protection class IEC: I  
Ingress protection code: IP20  
Mechanical impact resistance: IK05  
Operating temperature range, °C: ta 0...+35/+40

**INSTALLATION:** Suspended L-join (suspension brackets and L-join kit included with each luminaire). Through wired, 5x1.5mm², two 5-pole connectors, plug and socket

**ENVIRONMENT:** Indoor

**APPLICATION:** Retail, hall, public place



| PRODUCT                                                   | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|-----------------------------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| RAY A LED1x3800 J183 T840 L75 LO1 L1 L-BRANCH LL CORNER90 | 615        | 571       | 65         | 3796                  | 21,8             | 174                    | 80+ | 4000    | 3,3        |
| RAY A LED1x5300 J184 T840 L75 LO2 L1 L-BRANCH LL CORNER90 | 615        | 571       | 65         | 5260                  | 31,7             | 166                    | 80+ | 4000    | 3,3        |
| RAY A LED1x5550 J185 T840 L75 LO3 L1 L-BRANCH LL CORNER90 | 615        | 571       | 65         | 5523                  | 30,0             | 184                    | 80+ | 4000    | 3,3        |
| RAY A LED1x6600 J186 T840 L75 LO4 L1 L-BRANCH LL CORNER90 | 615        | 571       | 65         | 6567                  | 35,9             | 183                    | 80+ | 4000    | 3,3        |
| RAY A LED1x7600 J187 T840 L75 LO5 L1 L-BRANCH LL CORNER90 | 615        | 571       | 65         | 7554                  | 41,6             | 182                    | 80+ | 4000    | 3,3        |
| RAY A LED1x3800 J183 T840 L75 LO1 L1 R-BRANCH LL CORNER90 | 615        | 571       | 65         | 3796                  | 21,8             | 174                    | 80+ | 4000    | 3,3        |
| RAY A LED1x5300 J184 T840 L75 LO2 L1 R-BRANCH LL CORNER90 | 615        | 571       | 65         | 5260                  | 31,7             | 166                    | 80+ | 4000    | 3,3        |
| RAY A LED1x5550 J185 T840 L75 LO3 L1 R-BRANCH LL CORNER90 | 615        | 571       | 65         | 5523                  | 30,0             | 184                    | 80+ | 4000    | 3,3        |
| RAY A LED1x6600 J186 T840 L75 LO4 L1 R-BRANCH LL CORNER90 | 615        | 571       | 65         | 6567                  | 35,9             | 183                    | 80+ | 4000    | 3,3        |
| RAY A LED1x7600 J187 T840 L75 LO5 L1 R-BRANCH LL CORNER90 | 615        | 571       | 65         | 7554                  | 41,6             | 182                    | 80+ | 4000    | 3,3        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

Note - for versions: LO1, LO2 - only every second LED lights up

Note - plug is positioned at the longest end of the luminaire and socket is out at a branch. If changes to be made please discuss project with your sales manager

#### AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 2pcs MTG SUSI KIT for length up to 2000mm, 3pcs MTG SUSI KIT for lengths 2000 - 3000mm*



**Product:** CAP cable clip D6.3mm SET clear  
**Description:** Cable and suspension wire clip set, 4pcs. For cable diameter up to 6,3mm and wire diameter 1mm



**Product:** BLANK RAY A LED L-BRANCH CORNER90 RAL9003  
**Description:** Blank part kit for connecting luminaires in-line "L" shaped with a branch to the left, 1pcs

**Product:** BLANK RAY A LED R-BRANCH CORNER90 RAL9003  
**Description:** Blank part kit for connecting luminaires in-line "L" shaped with a branch to the right, 1pcs



**Product:** Power supply socket 1602/VCB-M-5 5x1.5-2.5mm<sup>2</sup>  
**Description:** 5-pole socket (Stucchi - 1602/VCB-M-5) for power supply, 1pcs  
*\*note - please use power supply socket for first in-line luminaire connection to power source*



**Product:** CAP cable 3x0.75 2.0m clear  
**Description:** Cable 3x0.75mm<sup>2</sup> for suspended luminaire up to 2.0 meters, transparent



**Product:** END CAP RAY A LED RAL9003  
**Description:** End cap kit for RAY A LED luminaires, 1pcs (extra)



**Product:** CAP4, light grey/ white/ black  
**Description:** Square FLAREsative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm<sup>2</sup>, light grey/ white/ black

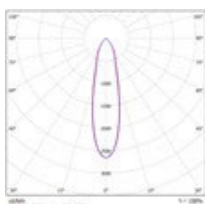
**Product:** CAP5, light grey/ white/ black  
**Description:** Square FLAREsative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm<sup>2</sup>, light grey/ white/ black

#### OPTIONS AVAILABLE ON REQUEST:

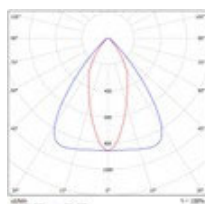
| LED  | REFLECTOR AND OPTICS | LIGHT OUTPUT LEVELS | CONTROL GEAR             | CONNECTION | COLOUR |
|------|----------------------|---------------------|--------------------------|------------|--------|
| T830 | L30                  | LO1...5             | DALI 2WIE5D <sup>1</sup> | L1         | RAL    |
| T840 | L40x75               |                     | BLT                      | L2         |        |
| T930 | L75                  |                     |                          | L3         |        |
| T940 | L75W                 |                     |                          |            |        |
|      | L90W                 |                     |                          |            |        |
|      | L100                 |                     |                          |            |        |
|      | L2A25                |                     |                          |            |        |

<sup>1</sup> With 2WIE5D option luminaire is throughwired with only one phase

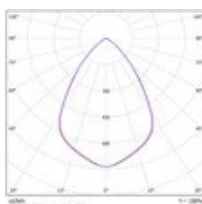
**L30**



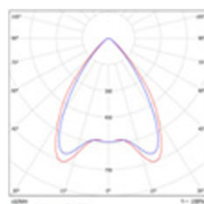
**L40x75**



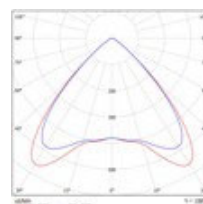
**L75**



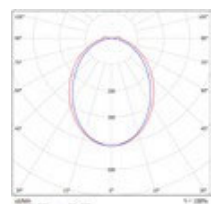
**L75W**



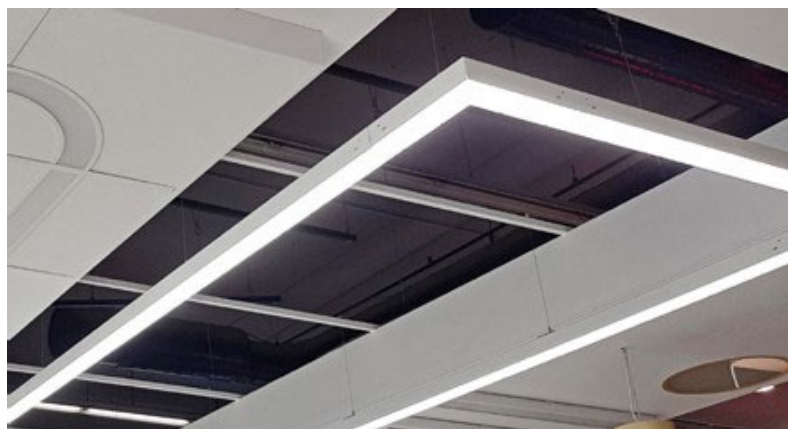
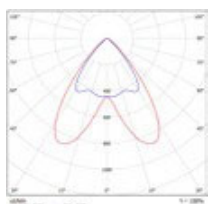
**L90W**



**L100**

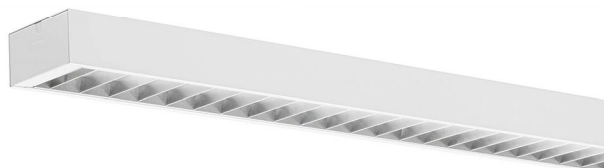


**L2A25**



## XYRA LED

### Surface Luminaire



**DESCRIPTION:** Surface LED luminaire  
distribution type: direct  
Optical system: anti glare  
Housing: steel  
Colour: white

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
Ingress protection code: IP20

**INSTALLATION:** Surface mounted in ceilings

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, corridor, retail, public place

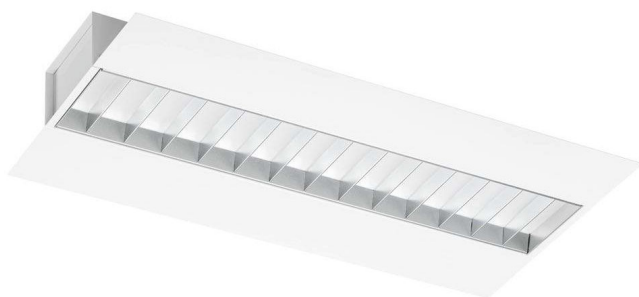
| PRODUCT               | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICACY*,<br>lm/W | CCT*, K |
|-----------------------|---------------|--------------|---------------|-----------------------------|------------------------|------------------------------|---------|
| XYRA DT L150 830 HO   | 1481          | 128          | 73            | 8190                        | 70                     | 117                          | 3000    |
| XYRA DT L150 830 DALI | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 3000    |
| XYRA DT L150 830      | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 3000    |
| XYRA DT L120 830      | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 3000    |
| XYRA DT L150 840      | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 4000    |
| XYRA DT L150 840 HO   | 1481          | 128          | 73            | 8190                        | 70                     | 117                          | 4000    |
| XYRA DT L150 840 DALI | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 4000    |
| XYRA DT L120 840      | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA DT L120 840 HO   | 1195          | 128          | 73            | 6000                        | 54                     | 111                          | 4000    |
| XYRA DT L120 840 DALI | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA DT L120 830 HO   | 1195          | 128          | 73            | 6000                        | 54                     | 111                          | 4000    |
| XYRA DT L120 830 DALI | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 3000    |

#### ACCESSORIES



# XYRA R LED

## Recessed Luminaires



**DESCRIPTION:** Recessed mounted LED luminaire  
Light distribution type: direct  
Optical system: anti glare  
Housing: steel  
Colour: white

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
Ingress protection code: IP20

**INSTALLATION:** Recessed in ceilings

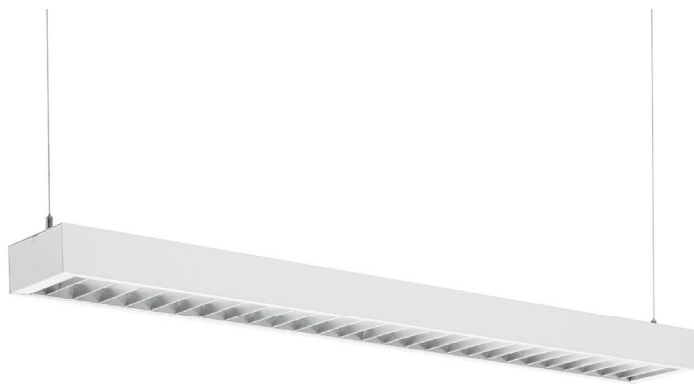
**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, corridor, retail, public place

| PRODUCT                    | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICACY*,<br>lm/W | CCT*, K |
|----------------------------|---------------|--------------|---------------|-----------------------------|------------------------|------------------------------|---------|
| XYRA R INF 60x15 830 HO    | 595           | 145          | 73            | 2180                        | 20                     | 109                          | 3000    |
| XYRA R INF 60x15 840 DALI  | 595           | 145          | 73            | 1240                        | 12                     | 103                          | 4000    |
| XYRA R INF 120x30 830 DALI | 1195          | 295          | 73            | 3570                        | 31                     | 115                          | 3000    |
| XYRA R INF 120x30 840 DALI | 1195          | 295          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA R INF 60x30 830 HO    | 595           | 295          | 73            | 2180                        | 20                     | 109                          | 3000    |
| XYRA R INF 60x30 840 DALI  | 595           | 295          | 73            | 1240                        | 12                     | 103                          | 4000    |
| XYRA R INF 60x60 830 HO    | 595           | 595          | 73            | 2180                        | 20                     | 109                          | 3000    |
| XYRA R INF 60x30 830       | 595           | 295          | 73            | 1240                        | 12                     | 103                          | 3000    |
| XYRA R INF 60x30 830 DALI  | 595           | 295          | 73            | 1240                        | 12                     | 103                          | 3000    |
| XYRA R INF 120x30 830      | 1195          | 295          | 73            | 3570                        | 31                     | 115                          | 3000    |
| XYRA R INF 60x60 830       | 595           | 595          | 73            | 1240                        | 12                     | 103                          | 3000    |
| XYRA R INF 120x15 830 DALI | 1195          | 145          | 73            | 3570                        | 31                     | 115                          | 3000    |
| XYRA R INF 120x15 840 DALI | 1195          | 145          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA R INF 60x60 840 DALI  | 595           | 595          | 73            | 1240                        | 12                     | 103                          | 4000    |
| XYRA R INF 120x30 830 HO   | 1195          | 295          | 73            | 6000                        | 54                     | 111                          | 3000    |
| XYRA R INF 120x15 830 HO   | 1195          | 145          | 73            | 6000                        | 54                     | 111                          | 3000    |
| XYRA R INF 60x15 830       | 595           | 145          | 73            | 1240                        | 12                     | 103                          | 3000    |
| XYRA R INF 60x15 830 DALI  | 595           | 145          | 73            | 1240                        | 12                     | 103                          | 3000    |
| XYRA R INF 60x60 830 DALI  | 595           | 595          | 73            | 1240                        | 12                     | 103                          | 3000    |
| XYRA R INF 120x15 830      | 1195          | 145          | 73            | 3570                        | 31                     | 115                          | 3000    |
| XYRA R INF 60x60 840 HO    | 595           | 595          | 73            | 2180                        | 20                     | 109                          | 4000    |
| XYRA R INF 60x30 840       | 595           | 295          | 73            | 1240                        | 12                     | 103                          | 4000    |
| XYRA R INF 60x30 840 HO    | 595           | 295          | 73            | 2180                        | 20                     | 109                          | 4000    |
| XYRA R INF 60x60 840       | 595           | 595          | 73            | 1240                        | 12                     | 103                          | 4000    |
| XYRA R INF 120x15 840      | 1195          | 145          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA R INF 120x15 840 HO   | 1195          | 145          | 73            | 6000                        | 54                     | 111                          | 4000    |
| XYRA R INF 120x30 840      | 1195          | 295          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA R INF 120x30 840 HO   | 1195          | 295          | 73            | 6000                        | 54                     | 111                          | 4000    |
| XYRA R INF 60x15 840       | 595           | 145          | 73            | 1240                        | 12                     | 103                          | 4000    |
| XYRA R INF 60x15 840 HO    | 595           | 145          | 73            | 2180                        | 20                     | 109                          | 4000    |

## XYRA P LED

### Pendant Luminaires



**DESCRIPTION:** Recessed mounted LED luminaire  
Light distribution type: direct  
Optical system: anti glare  
Housing: steel  
Colour: white

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
Ingress protection code: IP20  
Ambien temperature: -20 - 35

**INSTALLATION:** Pendant

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, corridor, retail, public place

| PRODUCT              | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICACY*,<br>lm/W | CCT*, K |
|----------------------|---------------|--------------|---------------|-----------------------------|------------------------|------------------------------|---------|
| XYRA P L120 830 DALI | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 3000    |
| XYRA P L120 830 HO   | 1195          | 128          | 73            | 6000                        | 54                     | 111                          | 3000    |
| XYRA P L150 830      | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 3000    |
| XYRA P L120 830      | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 3000    |
| XYRA P L150 830 HO   | 1481          | 128          | 73            | 8190                        | 70                     | 117                          | 3000    |
| XYRA P L150 830 DALI | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 3000    |
| XYRA P L120 840      | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA P L120 840 HO   | 1195          | 128          | 73            | 6000                        | 54                     | 111                          | 4000    |
| XYRA P L120 840 DALI | 1195          | 128          | 73            | 3570                        | 31                     | 115                          | 4000    |
| XYRA P L150 840      | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 4000    |
| XYRA P L150 840 HO   | 1481          | 128          | 73            | 8190                        | 70                     | 117                          | 4000    |
| XYRA P L150 840 DALI | 1481          | 128          | 73            | 5500                        | 50                     | 110                          | 4000    |

#### ACCESSORIES



# GLINT I LED

## Recessed Luminaires



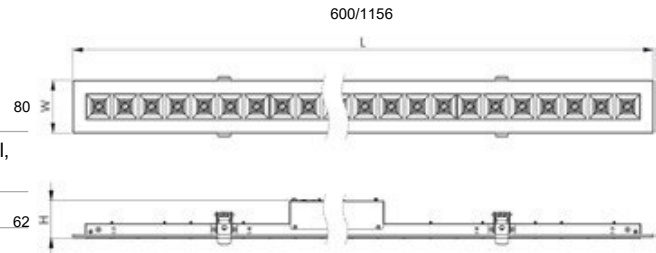
**DESCRIPTION:** Recessed mounted LED luminaire  
**Light distribution type:** direct  
**Optical system:** double parabolic reflector with lenses, low glare  
**Housing:** steel  
**Colour:** white, RAL9003S

**GENERAL DATA:** **Mains voltage:** 220-240V, 0/50-60Hz  
**LED lifetime, h:** 100000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP40  
**Mechanical impact resistance:** IK05  
**Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** In ceilings with cut-out openings. Push-in terminal, 3x2x2.5mm²

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, corridor, retail, public place



| PRODUCT                         | LENGTH, mm | WIDTH, mm | HEIGHT, mm | CUT-OUT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|---------------------------------|------------|-----------|------------|-------------|-----------------------|------------------|------------------------|-----|---------|------------|
| GLINT I LED1x1500 J221 T840 WGC | 600        | 80        | 62         | 570x70      | 1460                  | 9,7              | 151                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x1800 J222 T840 WGC | 600        | 80        | 62         | 570x70      | 1791                  | 11,3             | 158                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x2150 J223 T840 WGC | 600        | 80        | 62         | 570x70      | 2111                  | 13,8             | 153                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x2450 J224 T840 WGC | 600        | 80        | 62         | 570x70      | 2433                  | 16,3             | 149                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x2950 J225 T840 WGC | 1156       | 80        | 62         | 1128x70     | 2920                  | 17,6             | 166                    | 80+ | 4000    | 1,7        |
| GLINT I LED1x3600 J226 T840 WGC | 1156       | 80        | 62         | 1128x70     | 3583                  | 21,9             | 164                    | 80+ | 4000    | 1,7        |
| GLINT I LED1x4250 J227 T840 WGC | 1156       | 80        | 62         | 1128x70     | 4223                  | 26,1             | 162                    | 80+ | 4000    | 1,7        |
| GLINT I LED1x4900 J228 T840 WGC | 1156       | 80        | 62         | 1128x70     | 4867                  | 30,8             | 158                    | 80+ | 4000    | 1,7        |
| GLINT I LED1x1350 J221 T840 BGC | 600        | 80        | 62         | 570x70      | 1348                  | 9,7              | 139                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x1700 J222 T840 BGC | 600        | 80        | 62         | 570x70      | 1654                  | 11,3             | 146                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x1950 J223 T840 BGC | 600        | 80        | 62         | 570x70      | 1949                  | 13,8             | 141                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x2250 J224 T840 BGC | 600        | 80        | 62         | 570x70      | 2246                  | 16,3             | 138                    | 80+ | 4000    | 1,3        |
| GLINT I LED1x2700 J225 T840 BGC | 1156       | 80        | 62         | 1128x70     | 2695                  | 17,6             | 153                    | 80+ | 4000    | 1,7        |
| GLINT I LED1x3350 J226 T840 BGC | 1156       | 80        | 62         | 1128x70     | 3307                  | 21,9             | 151                    | 80+ | 4000    | 1,7        |
| GLINT I LED1x3900 J227 T840 BGC | 1156       | 80        | 62         | 1128x70     | 3898                  | 26,1             | 149                    | 80+ | 4000    | 1,7        |
| GLINT I LED1x4500 J228 T840 BGC | 1156       | 80        | 62         | 1128x70     | 4492                  | 30,8             | 146                    | 80+ | 4000    | 1,7        |

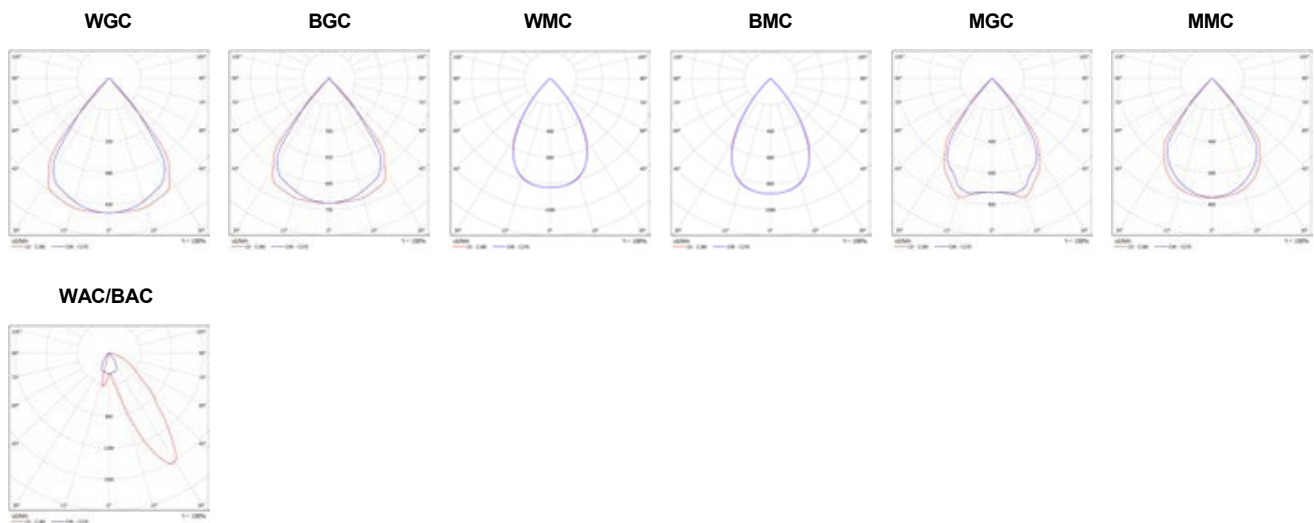
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

**OPTIONS AVAILABLE ON REQUEST:**

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR           | EMERGENCY | CONNECTION  | COLOUR |
|------|----------------------|------------------------|-----------|-------------|--------|
| T830 | WGC                  | DALI                   | EM3       | WIE3        | RAL    |
| T840 | BGC                  | EAIRB-S <sup>1 2</sup> | EM3A      | WIE5        |        |
|      | WMC                  | COR                    | EM3D      | WIE5D       |        |
|      | BMC                  | COR1min                |           | 2WIE3       |        |
|      | MGC                  | COR30min               |           | Schuko-1.5m |        |
|      | MMC                  |                        |           | Schuko-3.0m |        |
|      | WAC/BAC              |                        |           |             |        |

1 Max system size 1x EAIRB-M + 3x EAIRB-S

2 Max wire length from EAIRB-M to last EAIRB-S - 11 m

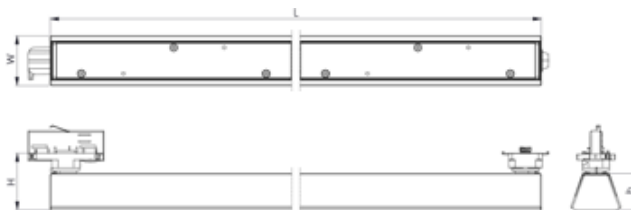


# LUMO LED

## Spotlights



|                      |                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Track mounted linear LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> lenses<br><b>Housing:</b> steel<br><b>Colour:</b> white, RAL9003S; light grey, RAL7035S; black, RAL9005S                                                            |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 0/50-60Hz<br><b>LED lifetime, h:</b> 100000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> I<br><b>Ingress protection code:</b> IP20<br><b>Mechanical impact resistance:</b> IK02<br><b>Operating temperature range, °C:</b> ta 0...+35 |
| <b>INSTALLATION:</b> | In 3-phase track. Track adaptor (3-phase + N) with phase selector                                                                                                                                                                                                                 |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                            |
| <b>APPLICATION:</b>  | Retail, showroom, exhibition, public place                                                                                                                                                                                                                                        |



| PRODUCT                      | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| LUMO LED1x1900 G546 T840 L75 | 574        | 59        | 70         | 1898                  | 11,7             | 161                    | 80+ | 4000    | 1,3        |
| LUMO LED1x2800 G547 T840 L75 | 574        | 59        | 70         | 2762                  | 15,9             | 157                    | 80+ | 4000    | 1,3        |
| LUMO LED1x3800 G548 T840 L75 | 574        | 59        | 70         | 3777                  | 21,8             | 170                    | 80+ | 4000    | 1,3        |
| LUMO LED1x2850 G549 T840 L75 | 856        | 59        | 70         | 2847                  | 16,9             | 165                    | 80+ | 4000    | 1,7        |
| LUMO LED1x4150 G550 T840 L75 | 856        | 59        | 70         | 4142                  | 22,8             | 161                    | 80+ | 4000    | 1,7        |
| LUMO LED1x5700 G551 T840 L75 | 856        | 59        | 70         | 5665                  | 31,6             | 176                    | 80+ | 4000    | 1,7        |
| LUMO LED1x3800 G552 T840 L75 | 1137       | 59        | 70         | 3796                  | 21,8             | 170                    | 80+ | 4000    | 2,1        |
| LUMO LED1x5550 G553 T840 L75 | 1137       | 59        | 70         | 5523                  | 29,7             | 163                    | 80+ | 4000    | 2,1        |
| LUMO LED1x7600 G554 T840 L75 | 1137       | 59        | 70         | 7554                  | 41,2             | 178                    | 80+ | 4000    | 2,1        |

\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

Note - for models G546; G549; G552 - only every second LED lights up

### OPTIONS AVAILABLE ON REQUEST:

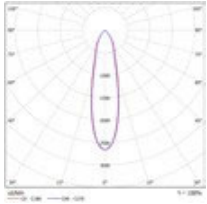
| LED  | REFLECTOR AND OPTICS | CONTROL GEAR        | COLOUR           |
|------|----------------------|---------------------|------------------|
| T830 | L30                  | DALI <sup>1 2</sup> | RAL <sup>3</sup> |
| T840 | L40x75               | BLT                 |                  |
|      | L75                  | KRBLT               |                  |
|      | L75W                 | KRBLT DALI          |                  |
|      | L90W                 |                     |                  |
|      | L100                 |                     |                  |
|      | L1A18                |                     |                  |
|      | L2A25                |                     |                  |

1 Minimum dimming level for models: G546; G549 is 1%. For other models - 10%

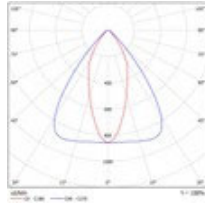
2 For this model DALI option is not compatible with switch-control dimming functionality

3 Standard tracks and adapters RAL colours: RAL9010, RAL9005, RAL7035

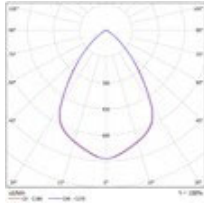
**L30**



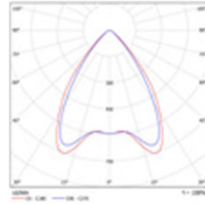
**L40x75**



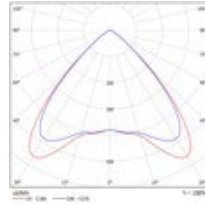
**L75**



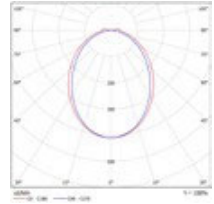
**L75W**



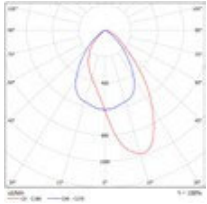
**L90W**



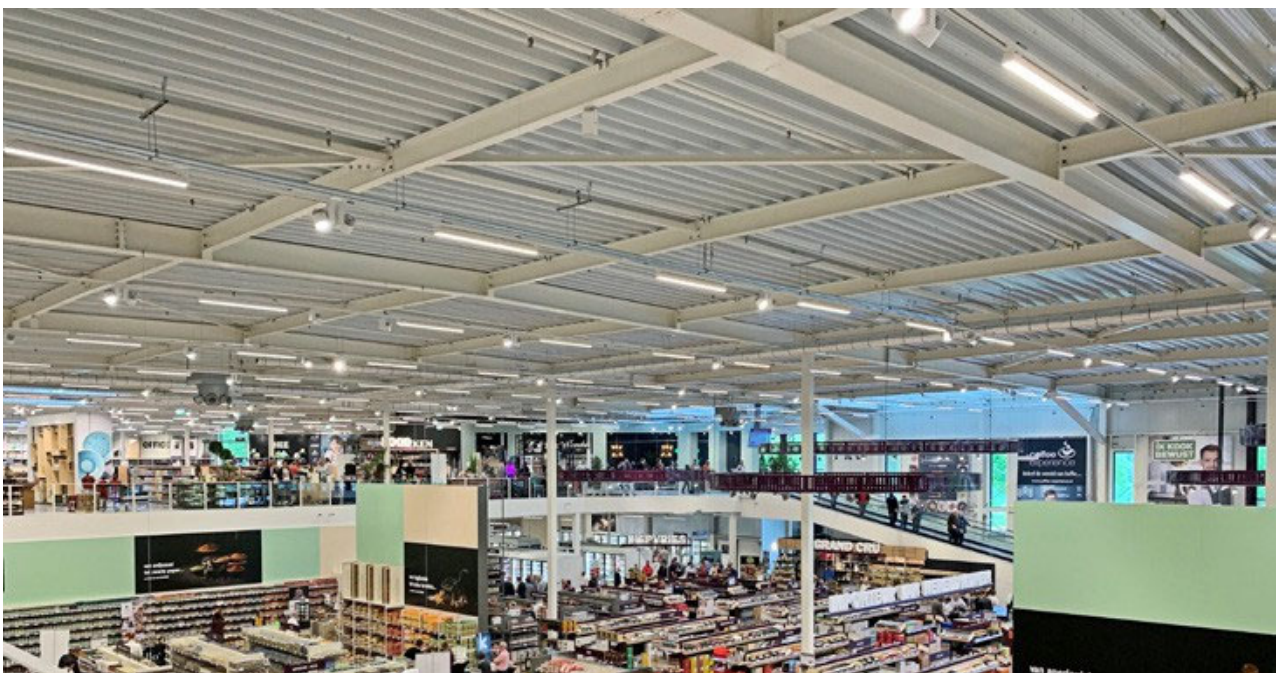
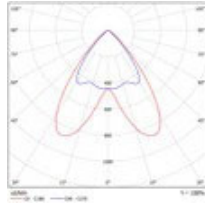
**L100**



**L1A18**



**L2A25**

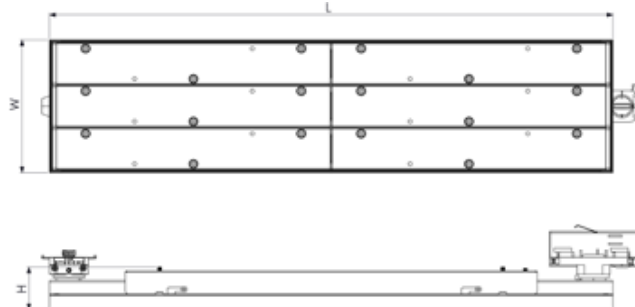


# LUMO T LED

## Spotlights



|                      |                                                                                                                                                                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Track mounted linear LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> lenses<br><b>Housing:</b> steel<br><b>Colour:</b> white, RAL9003S; light grey, RAL7035S; black, RAL9005S                                                            |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 0/50-60Hz<br><b>LED lifetime, h:</b> 100000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> I<br><b>Ingress protection code:</b> IP20<br><b>Mechanical impact resistance:</b> IK02<br><b>Operating temperature range, °C:</b> ta 0...+35 |
| <b>INSTALLATION:</b> | In 3-phase track. Track adaptor (3-phase + N) with phase selector                                                                                                                                                                                                                 |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                            |
| <b>APPLICATION:</b>  | Retail, showroom, exhibition, public place                                                                                                                                                                                                                                        |



| PRODUCT                         | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|---------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| LED1x8300 J188 T840 L75         | 575        | 136       | 54         | 8285                  | 44,1             | 188                    | 80+ | 4000    | 2,0        |
| LUMO T LED1x11350 J189 T840 L75 | 575        | 136       | 54         | 11331                 | 61,8             | 183                    | 80+ | 4000    | 2,0        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

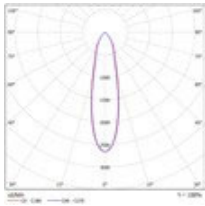
### OPTIONS AVAILABLE ON REQUEST:

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR      | COLOUR           |
|------|----------------------|-------------------|------------------|
| T830 | L30                  | DALI <sup>1</sup> | RAL <sup>2</sup> |
| T840 | L40x75               | BLT               |                  |
|      | L75                  | KRBLT             |                  |
|      | L75W                 | KRBLT DALI        |                  |
|      | L90W                 |                   |                  |
|      | L100                 |                   |                  |
|      | L1A18                |                   |                  |
|      | L2A25                |                   |                  |

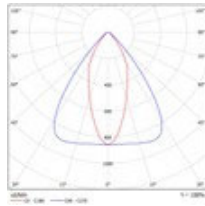
<sup>1</sup> For this model DALI option is not compatible with switch-control dimming functionality

<sup>2</sup> Standard tracks and adapters RAL colours: RAL9010, RAL9005, RAL7035

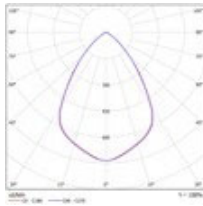
**L30**



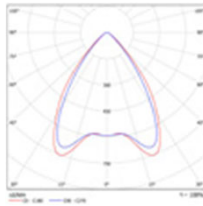
**L40x75**



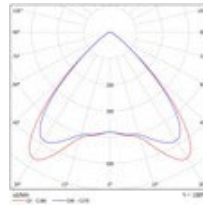
**L75**



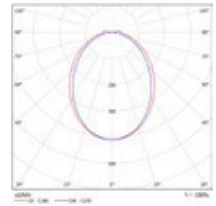
**L75W**



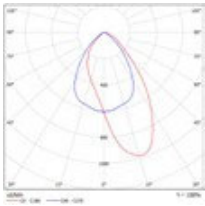
**L90W**



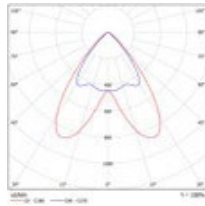
**L100**



**L1A18**



**L2A25**

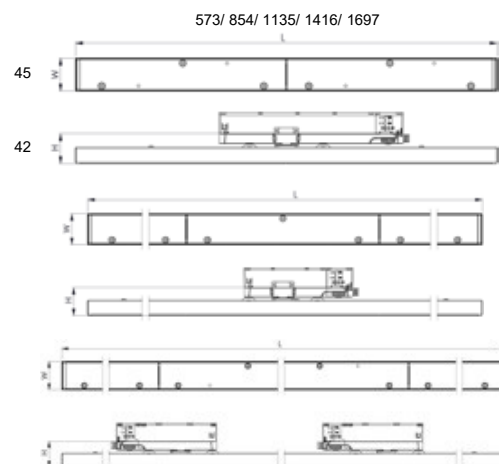


# LUMO I LED

## Spotlights



|                      |                                                                                                                                                                                                                                                                                  |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Track mounted low profile linear LED luminaire</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> lenses<br><b>Housing:</b> steel<br><b>Colour:</b> white, RAL9003S; light grey, RAL7035S; black, RAL9005S                                               |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 50-60Hz<br><b>LED lifetime, h:</b> 100000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> II<br><b>Ingress protection code:</b> IP20<br><b>Mechanical impact resistance:</b> IK02<br><b>Operating temperature range, °C:</b> ta 0...+35 |
| <b>INSTALLATION:</b> | In 3-phase track. Track adaptor (3-phase + N) with phase selector                                                                                                                                                                                                                |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                           |
| <b>APPLICATION:</b>  | Retail, showroom, exhibition, public place                                                                                                                                                                                                                                       |



| PRODUCT                        | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|--------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| LUMO I LED1x1900 J627 T840 L75 | 573        | 45        | 42         | 1898                  | 11,3             | 168                    | 80+ | 4000    | 0,8        |
| LUMO I LED1x2250 J628 T840 L75 | 573        | 45        | 42         | 2241                  | 13,1             | 171                    | 80+ | 4000    | 0,8        |
| LUMO I LED1x2800 J629 T840 L75 | 573        | 45        | 42         | 2761                  | 16,3             | 169                    | 80+ | 4000    | 0,8        |
| LUMO I LED1x3300 J630 T840 L75 | 573        | 45        | 42         | 3284                  | 19,4             | 169                    | 80+ | 4000    | 0,8        |
| LUMO I LED1x3800 J631 T840 L75 | 573        | 45        | 42         | 3777                  | 22,5             | 168                    | 80+ | 4000    | 0,8        |
| LUMO I LED1x2850 J632 T840 L75 | 854        | 45        | 42         | 2847                  | 17,0             | 167                    | 80+ | 4000    | 1,0        |
| LUMO I LED1x3400 J633 T840 L75 | 854        | 45        | 42         | 3362                  | 19,6             | 172                    | 80+ | 4000    | 1,0        |
| LUMO I LED1x4150 J634 T840 L75 | 854        | 45        | 42         | 4142                  | 24,4             | 170                    | 80+ | 4000    | 1,0        |
| LUMO I LED1x4950 J635 T840 L75 | 854        | 45        | 42         | 4925                  | 29,2             | 169                    | 80+ | 4000    | 1,0        |
| LUMO I LED1x5700 J636 T840 L75 | 854        | 45        | 42         | 5666                  | 33,8             | 168                    | 80+ | 4000    | 1,0        |
| LUMO I LED1x3800 J637 T840 L75 | 1135       | 45        | 42         | 3796                  | 22,6             | 168                    | 80+ | 4000    | 1,4        |
| LUMO I LED1x4500 J638 T840 L75 | 1135       | 45        | 42         | 4483                  | 26,1             | 172                    | 80+ | 4000    | 1,4        |
| LUMO I LED1x5550 J639 T840 L75 | 1135       | 45        | 42         | 5523                  | 32,6             | 169                    | 80+ | 4000    | 1,4        |
| LUMO I LED1x6600 J640 T840 L75 | 1135       | 45        | 42         | 6567                  | 38,9             | 169                    | 80+ | 4000    | 1,4        |
| LUMO I LED1x7600 J641 T840 L75 | 1135       | 45        | 42         | 7554                  | 45,0             | 168                    | 80+ | 4000    | 1,4        |
| LUMO I LED1x4750 J642 T840 L75 | 1416       | 45        | 42         | 4745                  | 28,3             | 168                    | 80+ | 4000    | 1,7        |
| LUMO I LED1x5650 J643 T840 L75 | 1416       | 45        | 42         | 5604                  | 32,7             | 171                    | 80+ | 4000    | 1,7        |

| PRODUCT                         | LENGTH,<br>mm | WIDTH,<br>mm | HEIGHT,<br>mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*,<br>W | SYSTEM<br>EFFICACY*,<br>lm/W | CRI | CCT*, K | WEIGHT,<br>kg |
|---------------------------------|---------------|--------------|---------------|-----------------------------|------------------------|------------------------------|-----|---------|---------------|
| LUMO I LED1x6950 J644 T840 L75  | 1416          | 45           | 42            | 6903                        | 40,7                   | 170                          | 80+ | 4000    | 1,7           |
| LUMO I LED1x8250 J645 T840 L75  | 1416          | 45           | 42            | 8209                        | 48,6                   | 169                          | 80+ | 4000    | 1,7           |
| LUMO I LED1x9450 J646 T840 L75  | 1416          | 45           | 42            | 9443                        | 56,3                   | 168                          | 80+ | 4000    | 1,7           |
| LUMO I LED1x5700 J647 T840 L75  | 1697          | 45           | 42            | 5694                        | 33,9                   | 168                          | 80+ | 4000    | 1,9           |
| LUMO I LED1x6750 J648 T840 L75  | 1697          | 45           | 42            | 6724                        | 37,8                   | 178                          | 80+ | 4000    | 1,9           |
| LUMO I LED1x8300 J649 T840 L75  | 1697          | 45           | 42            | 8284                        | 47,7                   | 174                          | 80+ | 4000    | 1,9           |
| LUMO I LED1x9900 J650 T840 L75  | 1697          | 45           | 42            | 9851                        | 57,6                   | 171                          | 80+ | 4000    | 1,9           |
| LUMO I LED1x11350 J651 T840 L75 | 1697          | 45           | 42            | 11331                       | 67,5                   | 168                          | 80+ | 4000    | 1,9           |

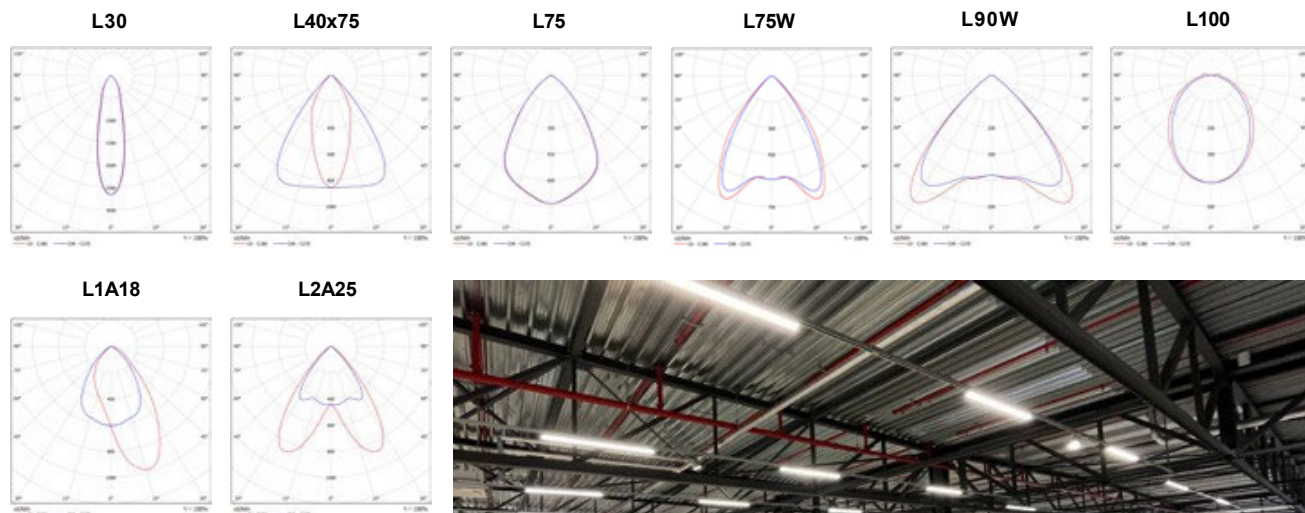
\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

Note - for versions: J627; J632; J637; J642; J647 only every second LED lights up

#### OPTIONS AVAILABLE ON REQUEST:

| LED  | REFLECTOR AND OPTICS | CONTROL GEAR | COLOUR              |
|------|----------------------|--------------|---------------------|
| T830 | L30                  | L90W         | DALI <sup>1</sup> 2 |
| T840 | L40x75               | L100         | T <sup>3</sup>      |
| T930 | L75                  | L1A18        |                     |
| T940 | L75W                 | L2A25        |                     |

- 1 DALI option in models J637...J651 uses 2 DALI addresses
- 2 For this model DALI option is not compatible with switch-control dimming functionality
- 3 T option is not applicable for models J627...J636
- 4 Standard tracks and adapters RAL colours: RAL9010, RAL9005, RAL7035



## Linearlight



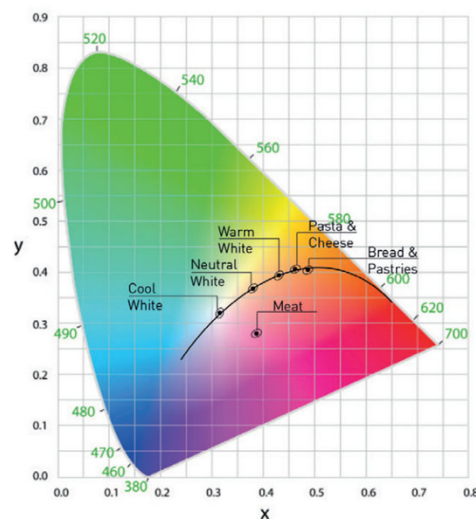
**DESCRIPTION:** Homogeneous light line and one continuous luminaire (without interruptions)  
**Light distribution type:** asymmetric  
**Optical system:** innovative lenses, depends on the installment  
**Housing:** aluminium body, acryl cover  
**Colour:** Black/Grey

**GENERAL DATA:** **Mains voltage:** 220-240V, 50-60Hz  
**LED lifetime, h:** 70000/L80B10  
**System Efficiency:** Up to 150 lm/W  
**Power:** 4W-19W  
**CCT\* $K$ :** Meat + 3000K -5000K  
 light colours matched to specific food types (up to CRI 95)  
**Ingress protection code:** IP54  
**Operating temperature range, °C:** ta -20...+35  
**Guarantee:** 5-years

**INSTALLATION:** tailor-made solutions for every requirement.

**ENVIRONMENT:** Indoor

**APPLICATION:** Refrigeration and shopfitting, fresh food selves



The main applications of these compact, space-saving luminaires include canopy lighting with asymmetrical radiation, single-beam shelf lighting with symmetrical 120° radiation, "invisible" door lighting with symmetrical 180° radiation to the left and right as well as counter lighting (symmetrical, 120°) and handrail lighting, which from a single luminaire perfectly sets the stage for the goods behind the glass front of the island as well as the goods inside the island.

## SPECIFIC FOOD COLOURS SUPPORT THE PRESENTATION OF YOUR PRODUCTS

Different foods require specific light qualities to make them look attractive and tasty. The most important four factors are colour reproduction, colour temperature or colour point and light intensity. When it comes to food, quality and freshness are absolutely paramount – we can help you in this regard with excellent colour reproduction of CRI  $\geq 90$  over a broad spectrum. This renders your products' characteristic colours in an optimal and realistic way so that your products will always make a natural and fresh impression.

## GREYING MEAT – AN AGGRAVATING FACTOR

In addition to the quality of the packaging and compliance with the cool chain, the quality of the light is a factor that can lead to the discolorations of food. The appearance of dry-aged meat in particular, which already has a natural greying to it, represents a big challenge in food retailing and needs different lighting solutions from fresh meat.

For this reason, we offer a specialized in sustainably improving the presentation and above all storage of all varieties of fish and meat through the use of suitable light. Numerous certificates, such as, for example, CE, ENEC, UL, propane and protection rating IP54, guarantee the high quality of your lighting solutions in this regard. Naturally, our products fulfil all standards for luminaires and refrigeration devices.



UVA light helps to sharply reduce the freshness indicator (TVBN value) and enables a much longer shelf life of meat without any visual difference

## DIFFERENT PROJECTS REQUIRE DIFFERENT MEASURES

For this reason, we offer the most popular, linear lighting solutions according to your needs. If you can't find what you're looking for in our product range, we'd be pleased to offer you tailor-made. Whether lengths, optics, plugs, cables, light colours or different power levels, such as, for example, Low Energy or High Output – we'd be pleased to advise you on the optimal solution for your project and develop it together with you!

## LUXO LED



**DESCRIPTION:** Easy lighting upgrade inside an old fluorescent lamp  
**Light distribution type:** direct  
**Optical system:** lens  
**Housing:** powder coated steel  
**Colour:** white

**GENERAL DATA:** **Mains voltage:** 220-240V  
**Ingress protection code:** IP20, -  
**Kelvin:** 3000K, 4000K

**INSTALLATION:** Surface mounting

**ENVIRONMENT:** Indoor

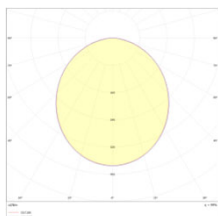
**APPLICATION:** Office, education, public place

**ADDITIONAL INFORMATION:**

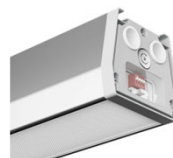
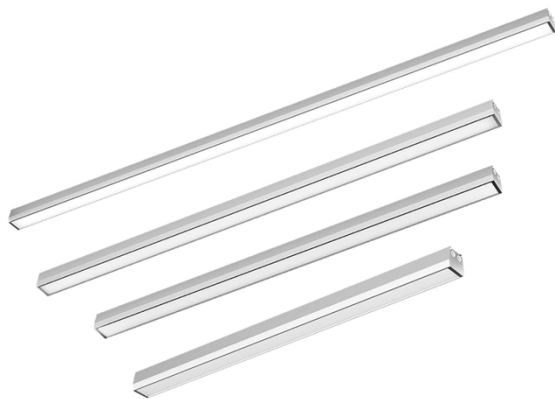
Frame and mounting plate made of white powder-coated steel sheet (RAL9016). Luminaires come with a pre-connected 3-pole connection cable. With this product it is easy to upgrade old luminaire frames to LED luminaires. Luxo is an easy-to-install, dry-room luminaire frame, especially for renovation use. It can be screwed directly to the ceiling, suspension rail or the frame of an old luminaire.

| PRODUCT                  | SYSTEM | POWER*, W | LUMINAIRE OUTPUT*, lm | CCT*, K | DIMENSIONS, PxLxØxK/S, mm | IP   |
|--------------------------|--------|-----------|-----------------------|---------|---------------------------|------|
| Luxo 136 4200lm 840      |        | 30        | 4200                  | 4000    | 1145x54x39                |      |
| Luxo 236 6000lm 840      |        | 46        | 6000                  | 4000    | 1145x54x39                |      |
| Luxo 158 5000lm 840      |        | 36        | 5000                  | 4000    | 1425x54x39                |      |
| Luxo 258 7100lm 840      |        | 55        | 7100                  | 4000    | 1425x54x39                |      |
| Luxo 258 7100lm 840 DALI |        | 55        | 7100                  | 4000    | 1425x54x39                | IP20 |
| Luxo 236 6000lm 840 DALI |        | 46        | 6000                  | 4000    | 1145x54x39                | IP20 |

Length (mm) 1200, 1500  
Width (mm) 54  
High (mm) 39  
Weight (kg) 2.6



## ZENO LED



Length (mm) 1200, 1500, 1800 and 2400  
Width (mm) 75  
High (mm) 70  
Weight (kg) 3,05

**DESCRIPTION:** **Light distribution type:** direct  
**Optical system:** microprism and 60 or 90 degree optics.  
**Housing:** powder coated aluminium  
**Colour:** white

**GENERAL DATA:** **Mains voltage:** 220-240V  
**Ingress protection code:** IP44  
**Kelvin:** 3000K, 3500K, 4000K

**INSTALLATION:** The luminaire can be suspended or mounted directly on the ceiling, on a track, on a horizontal wire or between tracks with an adjustable bracket (the angle can also be adjusted). Several compatible mounting accessories are available, which are attached to the luminaire without tools. The luminaire comes with a pair of surface mounting brackets

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, public place

**ADDITIONAL INFORMATION:**

The luminaire is always supplied with a 2 meter connection cable (5 x 2.5mm<sup>2</sup>) and is through-wired. There are two through-holes in both ends to facilitate installation. Luminous flux can be selected from five options using a dip switch and the color temperature from three options (3000K, 3500K or 4000K). The dip switches are conveniently accessible thanks to the magnetic end caps.

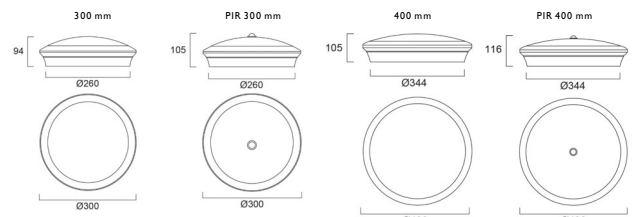
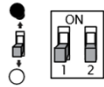
| PRODUCT                     | SYSTEM | POWER*, W | CCT*, K     | DIMENSIONS,<br>PxLxØxK/S, mm | IK   |
|-----------------------------|--------|-----------|-------------|------------------------------|------|
| ZENO L180 15100lm FX MP     |        | 139       | 3000 - 4000 | 1822x75x70                   | IK08 |
| ZENO L240 22600lm FX MB60   |        | 144       | 3000 - 4000 | 2422x75x70                   | IK08 |
| ZENO L240 19200lm FX MP     |        | 144       | 3000 - 4000 | 2422x75x70                   | IK08 |
| ZENO L120 11100lm FX WB90 D |        | 72        | 3000 - 4000 | 1222x75x70                   | IK08 |
| ZENO L120 11300lm FX MB60 D |        | 72        | 3000 - 4000 | 1222x75x70                   | IK08 |
| ZENO L150 13400lm FX WB90 D |        | 94        | 3000 - 4000 | 1522x75x70                   | IK08 |
| ZENO L150 14000lm FX MB60 D |        | 94        | 3000 - 4000 | 1522x75x70                   | IK08 |
| ZENO L150 11300lm FX MP D   |        | 94        | 3000 - 4000 | 1522x75x70                   | IK08 |
| ZENO L180 16100lm FX WB90 D |        | 119       | 3000 - 4000 | 1822x75x70                   | IK08 |
| ZENO L120 9600lm FX MP D    |        | 72        | 3000 - 4000 | 1222x75x70                   | IK08 |
| ZENO L120 11100lm FX WB90   |        | 72        | 3000 - 4000 | 1222x75x70                   | IK08 |
| ZENO L120 11300lm FX MB60   |        | 72        | 3000 - 4000 | 1222x75x70                   | IK08 |
| ZENO L240 19300lm FX WB90 D |        | 124       | 3000 - 4000 | 2422x75x70                   | IK08 |
| ZENO L240 19500lm FX MB60 D |        | 124       | 3000 - 4000 | 2422x75x70                   | IK08 |
| ZENO L240 16600lm FX MP D   |        | 124       | 3000 - 4000 | 2422x75x70                   | IK08 |
| ZENO L150 13400lm FX WB90   |        | 94        | 3000 - 4000 | 1522x75x70                   | IK08 |
| ZENO L150 14000lm FX MB60   |        | 94        | 3000 - 4000 | 1522x75x70                   | IK08 |
| ZENO L180 16900lm FX MB60 D |        | 119       | 3000 - 4000 | 1822x75x70                   | IK08 |
| ZENO L180 13200lm FX MP D   |        | 119       | 3000 - 4000 | 1822x75x70                   | IK08 |
| ZENO L120 9600lm FX MP      |        | 72        | 3000 - 4000 | 1222x75x70                   | IK08 |
| ZENO L240 22300lm FX WB90   |        | 144       | 3000 - 4000 | 2422x75x70                   | IK08 |
| ZENO L150 11300lm FX MP     |        | 94        | 3000 - 4000 | 1522x75x70                   | IK08 |
| ZENO L180 18500lm FX WB90   |        | 139       | 3000 - 4000 | 1822x75x70                   | IK08 |

# RAKKA

## Resessed Luminaires



SURFACE MOUNTED ON A WALL OR CEILING  
DIAMETER 300 MM: 16.5W AND 17.5W / 430 - 2000 LM  
DIAMETER 400 MM: 33W, 34W AND 36W / 2200 - 4000 LM  
MULTIPOWER: 4 POWERS AND LUMEN VALUE SELECTABLE WITH DIP SWITCHES  
COLOR TEMPERATURE SELECTABLE WITH DIP SWITCH: 3000K/4000K  
AVAILABLE: ON/OFF / PIR / MW MOTION DETECTOR  
SAFETY LIGHT 3 H (ONLY 400 MM)  
SPLASH WATERPROOF IP54  
IMPACT RESISTANCE IK03  
THE LUMINAIRE IS NON-DIMMABLE  
SUITABLE FOR INSTRUMENT AND DISTRIBUTION BOX MOUNTING  
BREAKING BLANKETS FOR SURFACE MOUNTING CABLES ON FOUR SIDES IN THE LUMINAIRE  
THROUGHOUT FOR TWO CABLES ON THE BOTTOM, IN ONE THE THROTTLE RUBBER IS READY TO BE INSTALLED AND THE OTHER IS A BLANK TO BE DRILLED (THE SECOND GROUND RUBBER IS INCLUDED IN THE LAMP PACKAGE)  
CHAINING 3 X 2.5 MM2  
LIFE 120,000 H L70  
WARRANTY 5 YEARS



| ON/OFF-version 4000K |        |          |          |  |
|----------------------|--------|----------|----------|--|
| I   2                | Teho W | 4000K lm | 4000K lm |  |
| ● ●                  | 16.5   | 2000     |          |  |
| ● ○                  | 12.5   | 1500     |          |  |
| ○ ●                  | 8.3    | 1000     |          |  |
| ○ ○                  | 5      | 500      |          |  |
| ● ●                  | 33     |          | 4000     |  |
| ● ○                  | 29     |          | 3500     |  |
| ○ ●                  | 25     |          | 3000     |  |
| ○ ○                  | 21     |          | 2500     |  |
| ON/OFF-version 3000K |        |          |          |  |
| I   2                | Teho W | 3000K lm | 3000K lm |  |
| ● ●                  | 16.5   | 1870     |          |  |
| ● ○                  | 12.5   | 1400     |          |  |
| ○ ●                  | 8.3    | 930      |          |  |
| ○ ○                  | 5      | 460      |          |  |
| ● ●                  | 33     |          | 3750     |  |
| ● ○                  | 29     |          | 3250     |  |
| ○ ●                  | 25     |          | 2800     |  |
| ○ ○                  | 21     |          | 2350     |  |

| MW-movement detector 4000K |        |          |          |  |
|----------------------------|--------|----------|----------|--|
| I   2                      | Teho W | 4000K lm | 4000K lm |  |
| ● ●                        | 17.5   | 2000     |          |  |
| ● ○                        | 13.5   | 1500     |          |  |
| ○ ●                        | 9.3    | 1000     |          |  |
| ○ ○                        | 6      | 500      |          |  |
| ● ●                        | 34     |          | 4000     |  |
| ● ○                        | 30     |          | 3500     |  |
| ○ ●                        | 26     |          | 3000     |  |
| ○ ○                        | 22     |          | 2500     |  |
| MW-movement detector 3000K |        |          |          |  |
| I   2                      | Teho W | 3000K lm | 3000K lm |  |
| ● ●                        | 17.5   | 1870     |          |  |
| ● ○                        | 13.5   | 1400     |          |  |
| ○ ●                        | 9.3    | 930      |          |  |
| ○ ○                        | 6      | 460      |          |  |
| ● ●                        | 34     |          | 3750     |  |
| ● ○                        | 30     |          | 3250     |  |
| ○ ●                        | 26     |          | 2800     |  |
| ○ ○                        | 22     |          | 2350     |  |

| PIR-detector 4000K |        |          |          |  |
|--------------------|--------|----------|----------|--|
| I   2              | Teho W | 4000K lm | 4000K lm |  |
| ● ●                | 17.5   | 1800     |          |  |
| ● ○                | 13.5   | 1400     |          |  |
| ○ ●                | 9.3    | 890      |          |  |
| ○ ○                | 6      | 450      |          |  |
| ● ●                | 34     |          | 3550     |  |
| ● ○                | 30     |          | 3000     |  |
| ○ ●                | 26     |          | 2700     |  |
| ○ ○                | 22     |          | 2300     |  |
| PIR-detector 3000K |        |          |          |  |
| I   2              | Teho W | 3000K lm | 3000K lm |  |
| ● ●                | 17.5   | 1725     |          |  |
| ● ○                | 13.5   | 1325     |          |  |
| ○ ●                | 9.3    | 850      |          |  |
| ○ ○                | 6      | 430      |          |  |
| ● ●                | 34     |          | 3400     |  |
| ● ○                | 30     |          | 3100     |  |
| ○ ●                | 26     |          | 2600     |  |
| ○ ○                | 22     |          | 2200     |  |

| Safetylight 3000K/4000K |        |          |          |  |
|-------------------------|--------|----------|----------|--|
| I   2                   | Teho W | 3000K lm | 4000K lm |  |
| ● ●                     | 36     | 3750     | 4000     |  |
| ● ○                     | 32     | 3250     | 3500     |  |
| ○ ●                     | 28     | 2800     | 3000     |  |
| ○ ○                     | 24     | 2350     | 2500     |  |

| PRODUCT                                                                              | SYSTEM POWER*, W | LUMINAIRE OUTPUT*, lm | SYSTEM EFFICACY*, lm/W | CCT*, K   |
|--------------------------------------------------------------------------------------|------------------|-----------------------|------------------------|-----------|
| Rakka 300 5-16,5W 500-2000lm 3000K/4000K IP54 Multipower valkoinen                   | 5-16,5W          | 2000                  | 120                    | 3000/4000 |
| Rakka 300 6-17,5W 500-2000lm 3000K/4000K IP54 Multipower MW-liiketunnistin valkoinen | 6-17,5W          | 2000                  | 114                    | 3000/4000 |
| Rakka 300 6-17,5W 450-1800lm 3000K/4000K IP54 Multipower PIR valkoinen               | 6-17,5W          | 1800                  | 103                    | 3000/4000 |
| Rakka 400 21-33W 2500-4000lm 3000K/4000K IP54 Multipower valkoinen                   | 21-33W           | 4000                  | 120                    | 3000/4000 |
| Rakka 400 22-34W 2500-4000lm 3000K/4000K IP54 Multipower MW-liiketunnistin valkoinen | 22-34W           | 4000                  | 118                    | 3000/4000 |
| Rakka 400 24-36W 4000lm 3000K/4000K IP54 Multipower 3h turvavallo valkoinen          | 24-36W           | 4000                  | 111                    | 3000/4000 |

# NOVA P LED

## Diffuser and Wall Luminaires



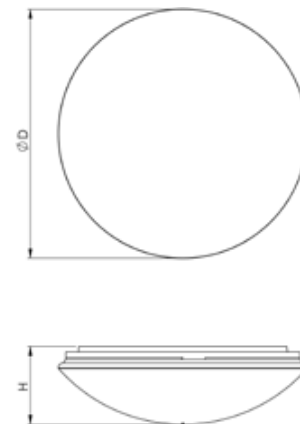
**DESCRIPTION:** Surface mounted LED luminaire  
**Light distribution type:** direct Optical  
**system:** opal PMMA diffuser  
**Housing:** steel  
**Colour:** white, RAL9003

**GENERAL DATA:** Mains voltage: 220-240V, 50-60Hz  
LED lifetime, h: 50000/L70B50,  
Basic version: 40000/L70B50  
SDCM: 5  
Protection class IEC: I  
Ingress protection code: IP44  
Mechanical impact resistance: IK02  
Operating temperature range, °C: ta -15...+35

**INSTALLATION:** On the ceiling or wall. Screw terminal, 3x1.5mm2

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, staircase, healthcare, bathroom, public place



| Product (Basic version)     | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|-----------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| NOVA P LEDG1x1300 G600 T830 | 280        | 280       | 90         | 1244                  | 14               | 89                     | 80+        | 3000    | 0,46       |
| NOVA P LEDG1x2000 G345 T830 | 360        | 360       | 105        | 1880                  | 20               | 94                     | 80+        | 3000    | 0,69       |
| NOVA P LEDG1x1300 G600 T840 | 280        | 280       | 90         | 1293                  | 14               | 92                     | 80+        | 4000    | 0,46       |
| NOVA P LEDG1x2000 G345 T840 | 360        | 360       | 105        | 2032                  | 20               | 102                    | 80+        | 4000    | 0,69       |

| Product                        | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|--------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| NOVA P LED1x1100 D515 T830     | 280        | 280       | 90         | 1020                  | 12               | 85                     | 80+        | 3000    | 0,46       |
| NOVA P LED1x1600 D516 T830     | 360        | 360       | 105        | 1620                  | 18               | 90                     | 80+        | 3000    | 0,69       |
| NOVA P LED1x2000 D517 T830     | 410        | 410       | 115        | 2090                  | 22               | 95                     | 80+        | 3000    | 0,9        |
| NOVA P LED1x3000 D518 T830     | 410        | 410       | 115        | 3040                  | 32               | 95                     | 80+        | 3000    | 0,9        |
| NOVA P LED1x4200 D995 T830     | 500        | 500       | 140        | 3850                  | 40               | 96                     | 80+        | 3000    | 1,5        |
| NOVA P LED1x1100 D515 T840     | 280        | 280       | 90         | 1080                  | 12               | 90                     | 80+        | 4000    | 0,46       |
| NOVA P LED1x1600 D516 T840     | 360        | 360       | 105        | 1700                  | 18               | 94                     | 80+        | 4000    | 0,69       |
| NOVA P LED1x2000 D517 T840     | 410        | 410       | 115        | 2200                  | 22               | 100                    | 80+        | 4000    | 0,9        |
| NOVA P LED1x3000 D518 T840     | 410        | 410       | 115        | 3200                  | 32               | 100                    | 80+        | 4000    | 0,9        |
| NOVA P LED1x4200 D995 T840     | 500        | 500       | 140        | 4164                  | 40               | 104                    | 80+        | 4000    | 1,5        |
| NOVA P LED1x1100 D515 T830 MW  | 280        | 280       | 90         | 1020                  | 12               | 85                     | 80+        | 3000    | 0,46       |
| NOVA P LED1x1600 D516 T830 MW  | 360        | 360       | 105        | 1620                  | 18               | 90                     | 80+        | 3000    | 0,69       |
| NOVA P LED1x1100 D515 T840 MW  | 280        | 280       | 90         | 1080                  | 12               | 90                     | 80+        | 4000    | 0,46       |
| NOVA P LED1x1600 D516 T840 MW  | 360        | 360       | 105        | 1700                  | 18               | 94                     | 80+        | 4000    | 0,69       |
| NOVA P LED1x1100 D515 T830 EM3 | 280        | 280       | 90         | 1020                  | 12               | 85                     | 80+        | 3000    | 0,6        |
| NOVA P LED1x1600 D516 T830 EM3 | 360        | 360       | 105        | 1620                  | 18               | 90                     | 80+        | 3000    | 0,84       |
| NOVA P LED1x1100 D515 T840 EM3 | 280        | 280       | 90         | 1080                  | 12               | 90                     | 80+        | 4000    | 0,6        |
| NOVA P LED1x1600 D516 T840 EM3 | 360        | 360       | 105        | 1700                  | 18               | 94                     | 80+        | 4000    | 0,84       |

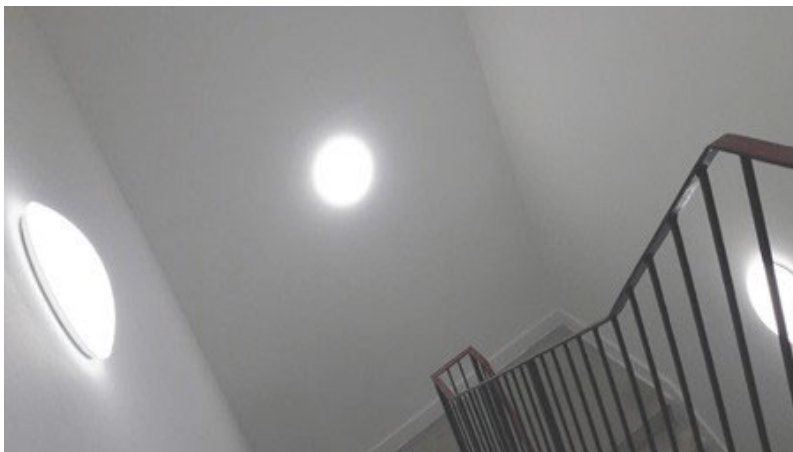
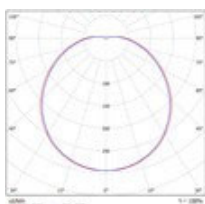
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

**AVAILABLE OPTIONS:**

|                                                             |                                                                                                                             |
|-------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| T830                                                        | Colour temperature 3000K, CRI 80+                                                                                           |
| T840                                                        | Colour temperature 4000K, CRI 80+                                                                                           |
| DALI                                                        | Driver with DALI interface and switch-control dimming                                                                       |
| BLT                                                         | Integrated wireless control unit and driver for lighting control via mobile device (via Bluetooth), with integrated DALI PS |
| KRBLT                                                       | Integrated wireless control unit and driver for lighting control via mobile device (KR system app), on/off                  |
| KRBLT DALI                                                  | Integrated wireless control unit and driver for lighting control via mobile device (KR system app), DALI with integrated PS |
| eCOR MW                                                     | Driver with MW sensor and adaptive corridor function (100%/10-30%/0%)                                                       |
| *note - eCOR MW option not available for models: D515; D995 |                                                                                                                             |
| COR                                                         | Driver with Corridor function (never off)                                                                                   |
| COR1min                                                     | Driver with Corridor function 1min (switch off after 1 min.)                                                                |
| COR30min                                                    | Driver with Corridor function 30min (switch off after 30 min.)                                                              |
| MW                                                          | Integrated microwave (MW) motion sensor with on-off control                                                                 |

|                                                                                  |                                                                                                                                                                                  |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MWRFM+                                                                           | Integrated microwave (MW) motion sensor with integrated RF (radio wave) transceiver. Sensor can serve as both master and slave. Functions: Staircase, Corridor, dimming control. |
| MW DALI2                                                                         | Integrated microwave (MW) motion sensor with DALI2 controls, requires power supply                                                                                               |
| MW KRBLT                                                                         | Integrated wireless microwave (MW) motion sensor with KR system app control, on-off                                                                                              |
| MW KRBLT DALI                                                                    | Integrated wireless microwave (MW) motion sensor with KR system app control and DALI power supply                                                                                |
| EM3                                                                              | Emergency version 3 hours                                                                                                                                                        |
| EM3A                                                                             | Emergency version equipped with an autonomous testing system, 3 hours                                                                                                            |
| EM3D                                                                             | Emergency version 3 hours with DALI interface                                                                                                                                    |
| *note - Operating temperature range for Luminaires with EM option, C: ta 0...+35 |                                                                                                                                                                                  |

**STANDARD**



# KUURA LED

## Downlights



**DESCRIPTION:** Recessed mounted LED downlight  
Light distribution type: direct  
Optical system: lens  
Housing: polycarbonate  
Colour: white RAL 9016

**GENERAL DATA:** Mains voltage: 220-240V  
Ingress protection code: IP44  
Dimmable: TRIAC, DALI, Plejd DIM-01  
ON/OFF, 4000K

**INSTALLATION:** Surface mounting (requires additional riser rings)  
In ceilings with cut-out openings (mounting brackets included).  
Cut out dimensions: Ø 235, 65 mm – 204 mm, Ø 300, 120 mm – 260 mm  
Ceiling thickness 1-25 mm.

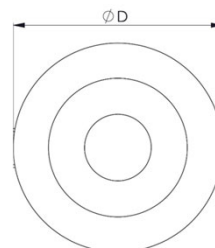
**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, bathroom,  
showroom, exhibition, public place

| PRODUCT                        | DIMENSIONS,<br>PxLxØxK/S, mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*, W | DIM | CCT*, K   |
|--------------------------------|------------------------------|-----------------------------|---------------------|-----|-----------|
| KUURA 8/10/12W 830/840/857     | -x-x285x22                   | 900-1300                    | 12                  | -   | 3000-5700 |
| KUURA 12W 830/840/857 DIM      | -x-x285x22                   | 1300                        | 12                  | DIM | 3000-5700 |
| KUURA 10/15/20W 830/840/857    | -x-x-x25                     | 1100-2300                   | 20                  | -   | 3000-5700 |
| KUURA 22W 830/840/857 DIM      | -x-x-x25                     | 2400                        | 22                  | DIM | 3000-5700 |
| KUURA10/15/20W 830/840/857 PIR | -x-x-x25                     | 1200-2300                   | 20                  | PIR | 3000-5700 |

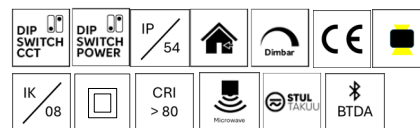
Kuura, Ø 235 mm: 8 W, 900 lm 10 W, 1100 lm 12 W, 1300 lm  
Kuura Ø 300 mm: 10 W, 1100 lm 15 W, 1650 lm 20 W, 2300 lm  
Kuura PIR Ø 300 mm: 10 W, 1200 lm 15 W, 1800 lm 20 W, 2300 lm

Dimmable (Triac), 4000 K: Kuura Ø 235 mm: 12 W / 1300 lm  
Kuura Ø 300 mm: 22 W / 2400 lm



# CELESTIA LED

## Downlights



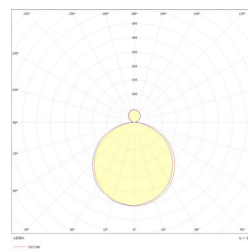
**DESCRIPTION:** Dimmable LED downlight Light  
distribution type: direct, up and down  
Optical system: lens, microprism  
Housing: polycarbonate  
Colour: white RAL 9016

**GENERAL DATA:** Mains voltage: 220-240V  
Ingress protection code: IP54  
Dimmable: ON / OFF, DIM (=phase cut),  
RS DIM, BT RS (Bluetooth based)

**INSTALLATION:** On the ceiling or wall, surface mounted, pendant

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, public place



| PRODUCT                        | DIMENSIONS,<br>PxLxØxK/S, mm | LUMINAIRE<br>OUTPUT*,<br>lm | SYSTEM<br>POWER*, W | IP   | CCT*, K   |
|--------------------------------|------------------------------|-----------------------------|---------------------|------|-----------|
| CELESTIA 400 4500lm FX BTDA RS | -x-x60                       | 2900-4500                   | 32                  | IP54 | 3000-4000 |
| CELESTIA 400 4500lm FX RS DIM  | -x-x60                       | 2900-4500                   | 32                  | IP54 | 3000-4000 |
| CELESTIA 400 4100 FX DIM       | -x-x60                       | 2600-4100                   | 32                  | IP54 | 3000-4000 |

CELESTIA 400 DIM

|        | Lumen  |        | DIP-Switch |    |
|--------|--------|--------|------------|----|
| Effekt | 3000K  | 4000K  | 1          | 2  |
| 20W    | 2490lm | 2620lm | -          | -  |
| 24W    | 2950lm | 3110lm | ON         | -  |
| 28W    | 3460lm | 3640lm | -          | ON |
| 31W    | 3980lm | 4100lm | ON         | ON |

CELESTIA 400 RS DIM

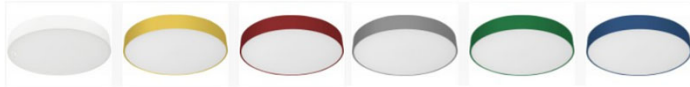
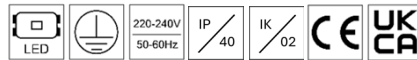
|        | Lumen  |        | DIP-Switch |    |    |    |
|--------|--------|--------|------------|----|----|----|
| Effekt | 3000K  | 4000K  | 1          | 2  | 3  | 4  |
| 19W    | 2780lm | 2920lm | -          | -  | -  | -  |
| 21W    | 3000lm | 3150lm | -          | -  | -  | ON |
| 22W    | 3220lm | 3375lm | -          | -  | ON | -  |
| 24W    | 3420lm | 3600lm | -          | -  | ON | ON |
| 25W    | 3600lm | 3780lm | -          | ON | -  | -  |
| 26W    | 3740lm | 3940lm | -          | ON | -  | ON |
| 28W    | 3950lm | 4140lm | -          | ON | ON | -  |
| 29W    | 4120lm | 4320lm | -          | ON | ON | ON |
| 32W    | 4290lm | 4500lm | ON         | ON | ON | ON |

CELESTIA 400 BTDA RS

|        | Lumen  |        | DIP-Switch |    |    |    |
|--------|--------|--------|------------|----|----|----|
| Effekt | 3000K  | 4000K  | 1          | 2  | 3  | 4  |
| 19W    | 2780lm | 2920lm | -          | -  | -  | -  |
| 21W    | 3000lm | 3150lm | -          | -  | -  | ON |
| 22W    | 3220lm | 3375lm | -          | -  | ON | -  |
| 24W    | 3420lm | 3600lm | -          | -  | ON | ON |
| 25W    | 3600lm | 3780lm | -          | ON | -  | -  |
| 26W    | 3740lm | 3940lm | -          | ON | -  | ON |
| 28W    | 3950lm | 4140lm | -          | ON | ON | -  |
| 29W    | 4120lm | 4320lm | -          | ON | ON | ON |
| 32W    | 4290lm | 4500lm | ON         | ON | ON | ON |

## ODOS LED

### Downlights



High flexibility to meet specific project requirements, as luminaires can be painted to all RAL code colours on request. For more information see the option list

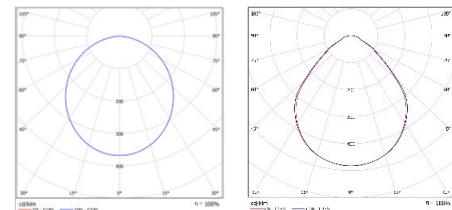
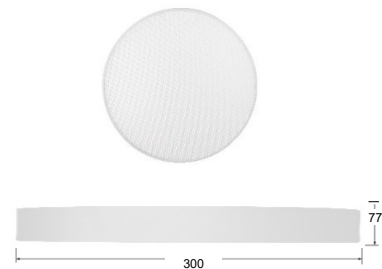
**DESCRIPTION:** **Low profile decorative circle shaped LED luminaire**  
**Diffuser:** opal (OP) or matt micro-prismatic (DPRZ LT80) PMMA, low glare, UV stabilized  
**Body:** steel sheet, white finish, with quick lock system

**GENERAL DATA:** **Mains voltage:** 220-240, V0/50/60Hz  
**LED lifetime, h:** 50000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP40 Mechanical impact resistance: IK02  
**Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** Surface luminaire is designed to be fixed to ceiling and wall of any type or suspended. Multiple wire suspension set, cable cap and decorative cable accessories are available on request. Push-in terminal, 3x2x2.5mm2

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, retail, public place



| Product                             | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|-------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| Odos L LED1x2250 G651 T830 OP LT80  | 300        | 300       | 77         | 2103                  | 15,6             | 135                    | 80+        | 3000    | 2,7        |
| Odos L LED1x2550 G652 T830 OP LT80  | 300        | 300       | 77         | 2360                  | 18               | 131                    | 80+        | 3000    | 2,7        |
| Odos L LED1x2900 G653 T830 OP LT80  | 300        | 300       | 77         | 2615                  | 20,2             | 129                    | 80+        | 3000    | 2,7        |
| Odos L LED1x4050 G654 T830 OP LT80  | 450        | 450       | 77         | 3831                  | 25,9             | 148                    | 80+        | 3000    | 5,4        |
| Odos L LED1x4850 G655 T830 OP LT80  | 450        | 450       | 77         | 4590                  | 31               | 148                    | 80+        | 3000    | 5,4        |
| Odos L LED1x5600 G656 T830 OP LT80  | 450        | 450       | 77         | 5343                  | 36               | 148                    | 80+        | 3000    | 5,4        |
| Odos L LED1x6200 G657 T830 OP LT80  | 600        | 600       | 77         | 5881                  | 37,9             | 155                    | 80+        | 3000    | 9,0        |
| Odos L LED1x7400 G658 T830 OP LT80  | 600        | 600       | 77         | 7054                  | 45,7             | 154                    | 80+        | 3000    | 9,0        |
| Odos L LED1x8650 G659 T830 OP LT80  | 600        | 600       | 77         | 8218                  | 52,5             | 156                    | 80+        | 3000    | 9,0        |
| Odos L LED1x9850 G660 T830 OP LT80  | 900        | 900       | 77         | 9381                  | 59,3             | 158                    | 80+        | 3000    | 16,5       |
| Odos L LED1x11500 G661 T830 OP LT80 | 900        | 900       | 77         | 10965                 | 68,7             | 160                    | 80+        | 3000    | 16,5       |
| Odos L LED1x13150 G662 T830 OP LT80 | 900        | 900       | 77         | 12543                 | 79,7             | 157                    | 80+        | 3000    | 16,5       |
| Odos L LED1x2250 G651 T840 OP LT80  | 300        | 300       | 77         | 2227                  | 15,6             | 143                    | 80+        | 4000    | 2,7        |
| Odos L LED1x2550 G652 T840 OP LT80  | 300        | 300       | 77         | 2540                  | 18               | 141                    | 80+        | 4000    | 2,7        |
| Odos L LED1x2900 G653 T840 OP LT80  | 300        | 300       | 77         | 2851                  | 20,2             | 141                    | 80+        | 4000    | 2,7        |
| Odos L LED1x4050 G654 T840 OP LT80  | 450        | 450       | 77         | 4011                  | 25,9             | 155                    | 80+        | 4000    | 5,4        |
| Odos L LED1x4850 G655 T840 OP LT80  | 450        | 450       | 77         | 4806                  | 31               | 155                    | 80+        | 4000    | 5,4        |
| Odos L LED1x5600 G656 T840 OP LT80  | 450        | 450       | 77         | 5595                  | 36               | 155                    | 80+        | 4000    | 5,4        |
| Odos L LED1x6200 G657 T840 OP LT80  | 600        | 600       | 77         | 6157                  | 37,9             | 163                    | 80+        | 4000    | 9,0        |
| Odos L LED1x7400 G658 T840 OP LT80  | 600        | 600       | 77         | 7385                  | 45,7             | 161                    | 80+        | 4000    | 9,0        |
| Odos L LED1x8650 G659 T840 OP LT80  | 600        | 600       | 77         | 8604                  | 52,5             | 164                    | 80+        | 4000    | 9,0        |

| Product                               | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|---------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| Odos L LED1x9850 G660 T840 OP LT80    | 900        | 900       | 87         | 9821                  | 59,3             | 166                    | 80+        | 4000    | 16,5       |
| Odos L LED1x11500 G661 T840 OP LT80   | 900        | 900       | 87         | 11480                 | 68,7             | 167                    | 80+        | 4000    | 16,5       |
| Odos L LED1x13150 G662 T840 OP LT80   | 900        | 900       | 87         | 13132                 | 79,7             | 165                    | 80+        | 4000    | 16,5       |
| Odos L LED1x2050 G651 T830 DPRZ LT80  | 300        | 300       | 77         | 1898                  | 15,6             | 122                    | 80+        | 3000    | 2,7        |
| Odos L LED1x2300 G652 T830 DPRZ LT80  | 300        | 300       | 77         | 2130                  | 18               | 119                    | 80+        | 3000    | 2,7        |
| Odos L LED1x2600 G653 T830 DPRZ LT80  | 300        | 300       | 77         | 2360                  | 20,2             | 117                    | 80+        | 3000    | 2,7        |
| Odos L LED1x3700 G654 T830 DPRZ LT80  | 450        | 450       | 77         | 3519                  | 25,9             | 136                    | 80+        | 3000    | 5,4        |
| Odos L LED1x4450 G655 T830 DPRZ LT80  | 450        | 450       | 77         | 4217                  | 31               | 136                    | 80+        | 3000    | 5,4        |
| Odos L LED1x5150 G656 T830 DPRZ LT80  | 450        | 450       | 77         | 4909                  | 36               | 136                    | 80+        | 3000    | 5,4        |
| Odos L LED1x5750 G657 T830 DPRZ LT80  | 600        | 600       | 77         | 5480                  | 37,9             | 145                    | 80+        | 3000    | 9,0        |
| Odos L LED1x6900 G658 T830 DPRZ LT80  | 600        | 600       | 77         | 6573                  | 45,7             | 144                    | 80+        | 3000    | 9,0        |
| Odos L LED1x8050 G659 T830 DPRZ LT80  | 600        | 600       | 77         | 7658                  | 52,5             | 146                    | 80+        | 3000    | 9,0        |
| Odos L LED1x9400 G660 T830 DPRZ LT80  | 900        | 900       | 77         | 8954                  | 59,3             | 151                    | 80+        | 3000    | 16,5       |
| Odos L LED1x11000 G661 T830 DPRZ LT80 | 900        | 900       | 77         | 10467                 | 68,7             | 152                    | 80+        | 3000    | 16,5       |
| Odos L LED1x12550 G662 T830 DPRZ LT80 | 900        | 900       | 77         | 11973                 | 79,7             | 150                    | 80+        | 3000    | 16,5       |
| Odos L LED1x2050 G651 T840 DPRZ LT80  | 300        | 300       | 77         | 2010                  | 15,6             | 129                    | 80+        | 4000    | 2,7        |
| Odos L LED1x2300 G652 T840 DPRZ LT80  | 300        | 300       | 77         | 2293                  | 18               | 128                    | 80+        | 4000    | 2,7        |
| Odos L LED1x2600 G653 T840 DPRZ LT80  | 300        | 300       | 77         | 2573                  | 20,2             | 127                    | 80+        | 4000    | 2,7        |
| Odos L LED1x3700 G654 T840 DPRZ LT80  | 450        | 450       | 77         | 3684                  | 25,9             | 142                    | 80+        | 4000    | 5,4        |
| Odos L LED1x4450 G655 T840 DPRZ LT80  | 450        | 450       | 77         | 4415                  | 31               | 142                    | 80+        | 4000    | 5,4        |
| Odos L LED1x5150 G656 T840 DPRZ LT80  | 450        | 450       | 77         | 5139                  | 36               | 143                    | 80+        | 4000    | 5,4        |
| Odos L LED1x5750 G657 T840 DPRZ LT80  | 600        | 600       | 77         | 5737                  | 37,9             | 151                    | 80+        | 4000    | 9,0        |
| Odos L LED1x6900 G658 T840 DPRZ LT80  | 600        | 600       | 77         | 6882                  | 45,7             | 150                    | 80+        | 4000    | 9,0        |
| Odos L LED1x8050 G659 T840 DPRZ LT80  | 600        | 600       | 77         | 8017                  | 52,5             | 153                    | 80+        | 4000    | 9,0        |
| Odos L LED1x9400 G660 T840 DPRZ LT80  | 900        | 900       | 87         | 9375                  | 59,3             | 158                    | 80+        | 4000    | 16,5       |
| Odos L LED1x11000 G661 T840 DPRZ LT80 | 900        | 900       | 87         | 10958                 | 68,7             | 160                    | 80+        | 4000    | 16,5       |
| Odos L LED1x12550 G662 T840 DPRZ LT80 | 900        | 900       | 87         | 12535                 | 79,7             | 157                    | 80+        | 4000    | 16,5       |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

\*Photos are for illustrational purposes only. The exact appearance of the product may vary depending on the monitor settings, options selected and other factors.

#### Available options:

|           |                                                                                                                                      |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|
| T830      | Colour temperature 3000K, CRI 80+                                                                                                    |
| T840      | Colour temperature 4000K, CRI 80+                                                                                                    |
| T930      | Colour temperature 3000K, CRI 90+                                                                                                    |
| T940      | Colour temperature 4000K, CRI 90+                                                                                                    |
| OP LT80   | Opal diffuser with high light transmittance                                                                                          |
| DPRZ LT80 | De-glaring micro-prismatic diffuser                                                                                                  |
| DALI      | Driver with DALI interface and switch-control dimming                                                                                |
| EAIRB-M   | Master luminaire with integrated smart sensor and driver with wireless communication and grouping possibilities for lighting control |
| EAIRB-S   | Slave luminaire with integrated EAIR type driver for lighting control                                                                |
| BLT       | Integrated wireless control unit and driver for lighting control via mobile device                                                   |
| KRBLT     | Integrated wireless control unit and driver for lighting control via mobile device (KR system app), on/off - KRBLT                   |
| DALI      | Integrated wireless control unit and driver for lighting control via mobile device (KR system app), DALI with integrated PS          |
| MW        | Integrated microwave (MW) motion sensor with on-off control                                                                          |

|                                                                                                      |                                                                                   |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| COR                                                                                                  | Driver with Corridor function (never off)                                         |
| COR1min                                                                                              | Driver with Corridor function 1min (switch off after 1 min)                       |
| COR30min                                                                                             | Driver with Corridor function 30min (switch off after 30min)                      |
| *note - COR options not applicable for models: G651, G652, G653                                      |                                                                                   |
| EM3                                                                                                  | Emergency version 3 hours                                                         |
| EM3A                                                                                                 | Emergency version equipped with an autonomous testing system, 3 hours             |
| EM3D                                                                                                 | Emergency version 3 hours with DALI interface                                     |
| CBF3-2.0m clear                                                                                      | Cable 3x0.75mm <sup>2</sup> for suspended luminaire up to 2.0 meters, transparent |
| CBF3-3.0m clear                                                                                      | Cable 3x0.75mm <sup>2</sup> for suspended luminaire up to 3.0 meters, transparent |
| CBF5-2.0m clear                                                                                      | Cable 5x0.75mm <sup>2</sup> for suspended luminaire up to 2.0 meters, transparent |
| CBF5-3.0m clear                                                                                      | Cable 5x0.75mm <sup>2</sup> for suspended luminaire up to 3.0 meters, transparent |
| RAL                                                                                                  | RAL colour                                                                        |
| *note - price for uncommon RAL colour could be different from indicated. Ask before placing an order |                                                                                   |

#### Available accessories:



Product: 3-point Suspension MTG KIT with round cap, white/ light grey/ black  
Description: Suspension wire set with cap 3x1" type, 1.5m adjustable, 1pcs



Product: CAP4, white/ grey/ black  
Description: Square decorative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 3x1x1.5mm<sup>2</sup>, white/ grey/ black



Product: CAP5, white/ grey/ black  
Description: Square decorative metal cap for hiding cable inlet with suspension wire attachment point, push-in terminals 5x1x1.5mm<sup>2</sup>, black

Product: CAP cable clip D6.3mm SET clear  
Description: Cable and suspension wire clip set, 4pcs. For cable diameter up to 6.3mm and wire diameter 1mm



## ARC S LED

### Emergency Lighting



LOA



TRACK

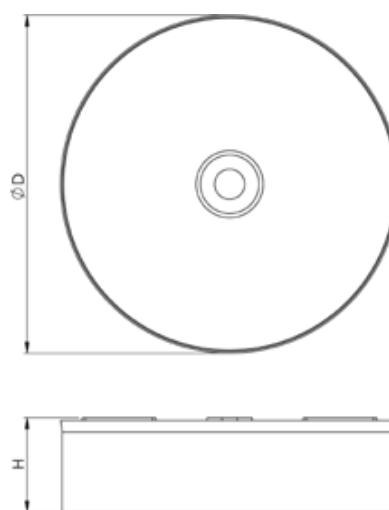
**DESCRIPTION:** Surface mounted LED emergency escape luminaire  
**Light distribution type:** direct  
**Optical system:** lenses  
**Housing:** polycarbonate  
**Colour:** white; light grey; black  
**Battery charging time:** 24 hours (12 hours optional: AUT)  
**Battery:** NiCd (LiFePO4 optional: AUT), deep discharge protection

**GENERAL DATA:** Mains voltage: 220-240V, 50-60Hz  
**LED lifetime, h:** 70000/L80B10  
**SDCM:** 3  
**Protection class IEC:** II  
**Ingress protection code:** IP65  
**Mechanical impact resistance:** IK08  
**Operating temperature range, °C:** ta 0...+40 (CEBLED, CLV2 ta -25...+50)

**INSTALLATION:** On the ceiling or suspended (suspension bracket, wire to be ordered on request).  
 Push-in terminal, 3x2x2.5mm²

**ENVIRONMENT:** Indoor

**APPLICATION:** Escape route lighting



| PRODUCT                    | DIAMETER, mm | HEIGHT, mm | ILLUMINATION MODE | EMERGENCY OPERATING TIME, H | LUMINAIRE OUTPUT*, lm | POWER IN EMERGENCY MODE, W* | CRI | CCT*, K | WEIGHT, kg |
|----------------------------|--------------|------------|-------------------|-----------------------------|-----------------------|-----------------------------|-----|---------|------------|
| ARC S 1HLED C379 LER IP65  | 202          | 58         | NM                | 1                           | 180                   | 1                           | 80+ | 6000    | 1,4        |
| ARC S 3HLED C380 LER IP65  | 202          | 58         | NM                | 3                           | 180                   | 1                           | 80+ | 6000    | 1,4        |
| ARC S 1PLED C381 LER IP65  | 202          | 58         | M/NM              | 1                           | 180                   | 1                           | 80+ | 6000    | 1,4        |
| ARC S 3PLED C382 LER IP65  | 202          | 58         | M/NM              | 3                           | 180                   | 1                           | 80+ | 6000    | 1,4        |
| ARC S CEBLED C383 LER IP65 | 202          | 58         | CEB               | x                           | 185                   | 1                           | 80+ | 6000    | 1,4        |
| ARC S 1PLED C386 LER IP65  | 202          | 58         | M/NM              | 1                           | 390                   | 3                           | 80+ | 6000    | 1,4        |
| ARC S 3PLED C387 LER IP65  | 202          | 58         | M/NM              | 3                           | 390                   | 3                           | 80+ | 6000    | 1,5        |
| ARC S CEBLED C388 LER IP65 | 202          | 58         | CEB               | x                           | 460                   | 3                           | 80+ | 6000    | 1,4        |
| ARC S 1PLED C391 LER IP65  | 202          | 58         | M/NM              | 1                           | 790                   | 6                           | 80+ | 6000    | 1,5        |
| ARC S 3PLED C392 LER IP65  | 202          | 58         | M/NM              | 3                           | 790                   | 6                           | 80+ | 6000    | 1,8        |
| ARC S CEBLED C393 LER IP65 | 202          | 58         | CEB               | x                           | 790                   | 6                           | 80+ | 6000    | 1,5        |
| ARC S CLV2 U70 LER IP65    | 202          | 58         | CLV2              | x                           | 790                   | 6                           | 80+ | 6000    | 1,5        |

\*M - maintained (with an option of connecting as non-maintained), NM - non-maintained, CEB maintained, system power and output indicates data in emergency mode, tolerance range for optical and electrical data: ±10%, values apply to an ambient temperature of 25°C

### AVAILABLE ACCESSORIES:



**Product:** Suspension MTG KIT SUSI  
**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs  
*\*note - 1pcs MTG SUSI KIT for luminaire*  
*\*note - SUS option is required*

**OPTIONS AVAILABLE ON REQUEST:**

| EMERGENCY         |                  |                   | CONNECTION         | OTHER | PROTECTION |
|-------------------|------------------|-------------------|--------------------|-------|------------|
| DALI <sup>1</sup> | LOU              | CEB               | TRACK <sup>5</sup> | SUS   | tmin-25    |
| LER               | LOS              | CLV2 <sup>3</sup> |                    |       |            |
| LOA               | TEST             | EMS <sup>4</sup>  |                    |       |            |
| LEW               | AUT <sup>2</sup> |                   |                    |       |            |

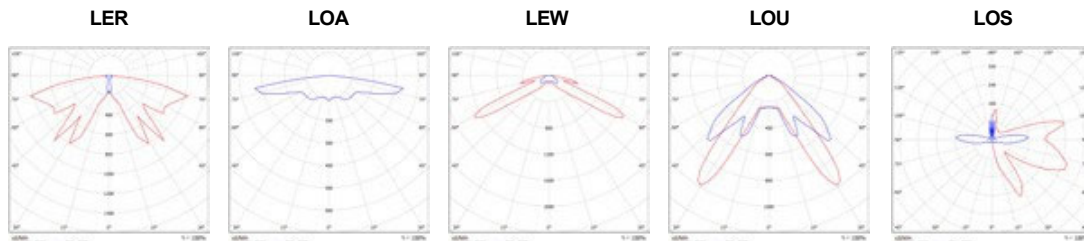
1 DALI option is applicable for models: C381, C382, C386, C387, C391, C392

2 AUT option is applicable for models: C381, C382, C386, C387, C391, C392

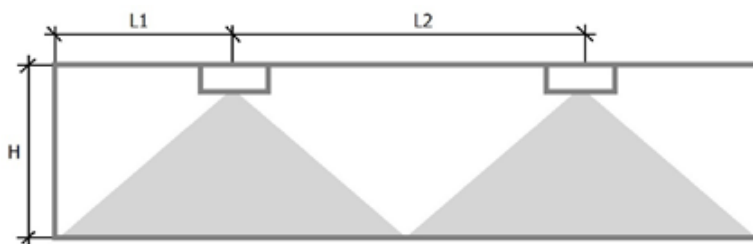
3 Only for U70 model

4 EMS option is applicable for models: C381, C382, C386, C387, C391, C392

5 Only for non-maintained operation



**PHOTOMETRY OF LER / LOA**



**L1** - distance from the wall to the first fixture

**L2** - distance between fixtures

**H** - height of the ceiling

**LER optic for corridor route illumination:**

| LER - 1W/185lm min. 1lx |       |       | LER - 3W/460lm min. 1lx |       |       | LER - 6W/790lm min. 0.5lx |       |       |
|-------------------------|-------|-------|-------------------------|-------|-------|---------------------------|-------|-------|
| H, m                    | L1, m | L2, m | H, m                    | L1, m | L2, m | H, m                      | L1, m | L2, m |
| 2,5                     | 6,0   | 15,0  | 2,5                     | 8,0   | 20,0  | 2,5                       | 10,0  | 24,5  |
| 3,0                     | 6,5   | 16,0  | 3,0                     | 8,5   | 21,5  | 3,0                       | 11,0  | 27,0  |
| 3,5                     | 6,5   | 17,0  | 3,5                     | 9,0   | 23,0  | 3,5                       | 11,5  | 28,5  |
| 4,0                     | 7,0   | 18,0  | 4,0                     | 9,5   | 24,5  | 4,0                       | 12,0  | 31,5  |
| 4,5                     | 7,5   | 18,5  | 4,5                     | 10,0  | 25,5  | 4,5                       | 12,5  | 32,5  |
| 5,0                     | 7,0   | 18,0  | 5,0                     | 10,0  | 26,5  | 5,0                       | 13,0  | 32,5  |
| 6,0                     | 7,0   | 17,0  | 6,0                     | 10,5  | 28,0  | 6,0                       | 14,0  | 35,5  |
|                         |       |       | 7,0                     | 11,0  | 29,5  | 7,0                       | 15,0  | 38,0  |
|                         |       |       | 8,0                     | 11,5  | 30,0  | 8,0                       | 15,5  | 40,0  |
|                         |       |       | 9,0                     | 11,5  | 31,1  | 9,0                       | 16,0  | 41,5  |
|                         |       |       |                         |       |       | 10,0                      | 16,5  | 42,0  |

**LOA optic for open area illumination:**

| LOA - 1W/190lm min. 0,5lx |       |       | LOA - 3W/460lm min. 0,5lx |       |       | LOA - 6W/780lm min. 0,5lx |       |       |
|---------------------------|-------|-------|---------------------------|-------|-------|---------------------------|-------|-------|
| H, m                      | L1, m | L2, m | H, m                      | L1, m | L2, m | H, m                      | L1, m | L2, m |
| 2,5                       | 2,5   | 13,5  | 2,5                       | 6,0   | 17,0  | 2,5                       | 6,5   | 20,0  |
| 3,0                       | 2,5   | 14,0  | 3,0                       | 7,0   | 18,0  | 3,0                       | 6,5   | 22,5  |
| 3,5                       | 2,5   | 14,5  | 3,5                       | 7,5   | 19,5  | 3,5                       | 7,0   | 24,0  |
| 4,0                       | 2,0   | 14,5  | 4,0                       | 7,5   | 21,0  | 4,0                       | 7,5   | 26,5  |
| 4,5                       | 2,0   | 15,0  | 4,5                       | 7,0   | 22,5  | 4,5                       | 7,5   | 27,5  |
| 5,0                       | 2,0   | 15,0  | 5,0                       | 5,5   | 24,0  | 5,0                       | 7,0   | 28,5  |
| 6,0                       | 1,5   | 14,5  | 6,0                       | 3,0   | 25,0  | 6,0                       | 5,5   | 30,5  |
| 7,0                       | 1,0   | 14,0  | 7,0                       | 3,0   | 25,5  | 7,0                       | 4,5   | 31,0  |
|                           |       |       | 8,0                       | 2,5   | 25,0  | 8,0                       | 4,0   | 31,0  |
|                           |       |       | 9,0                       | 2,5   | 24,0  | 9,0                       | 4,0   | 31,0  |
|                           |       |       | 10,0                      | 2,0   | 24,0  | 10,0                      | 3,5   | 31,0  |

## SPARK S LED

### Emergency Lighting



TRACK



Supplied with universal sticker kit

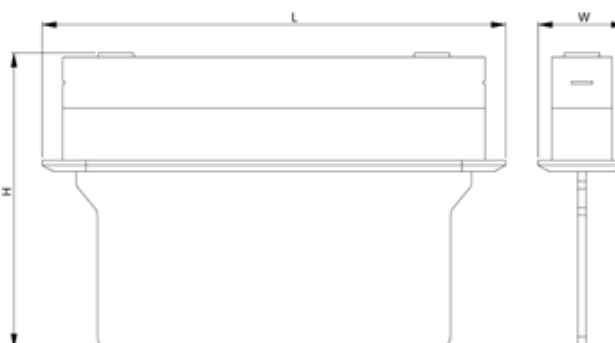
**DESCRIPTION:** Surface mounted double-sided LED emergency exit sign  
**Light distribution type:** omnidirectional  
**Optical system:** clear PMMA diffuser  
**Housing:** polycarbonate  
**Colour:** white; light grey; black  
**Battery charging time:** 24 hours (12 hours optional: AUT)  
**Battery:** NiCd (LiFePO4 optional: AUT), deep discharge protection  
**Recognition distance:** 25 meters

**GENERAL DATA:** Mains voltage: 220-240V, 50-60Hz  
**LED lifetime, h:** 70000/L80B10  
**SDCM:** 3  
**Protection class IEC:** II  
**Ingress protection code:** IP44  
**Mechanical impact resistance:** IK02  
**Operating temperature range, °C:** ta 0...+40 (CEBLED ta -25...+50)

**INSTALLATION:** On the ceiling, wall or suspended (suspension kit to be ordered separately). Screw terminal, 3x2x2.5mm<sup>2</sup>

**ENVIRONMENT:** Indoor

**APPLICATION:** Emergency exit sign



| PRODUCT                 | LENGTH, mm | WIDTH, mm | HEIGHT, mm | ILLUMINATION MODE | EMERGENCY OPERATING TIME, H | POWER IN EMERGENCY MODE, W* | CRI | CCT*, K | WEIGHT, kg |
|-------------------------|------------|-----------|------------|-------------------|-----------------------------|-----------------------------|-----|---------|------------|
| SPARK S 3PLED C434 TEST | 299        | 43        | 206        | M/NM              | 3                           | 1                           | 80+ | 6000    | 1,2        |
| SPARK S 3PLED C434 AUT  | 299        | 43        | 206        | M/NM              | 3                           | 1                           | 80+ | 6000    | 1,2        |
| SPARK S CEBLED C435     | 299        | 43        | 206        | CEB               | x                           | 1                           | 80+ | 6000    | 1,0        |

\*M - maintained (with an option of connecting as non-maintained), NM - non-maintained, CEB maintained, system power and output indicates data in emergency mode, tolerance range for optical and electrical data:  $\pm 10\%$ , values apply to an ambient temperature of 25°C

### OPTIONS AVAILABLE ON REQUEST:

| EMERGENCY | CONNECTION         |
|-----------|--------------------|
| TEST      | TRACK <sup>1</sup> |
| AUT       |                    |
| CEB       |                    |
| EMS       |                    |

<sup>1</sup> Only for non-maintained operation

### AVAILABLE ACCESSORIES:

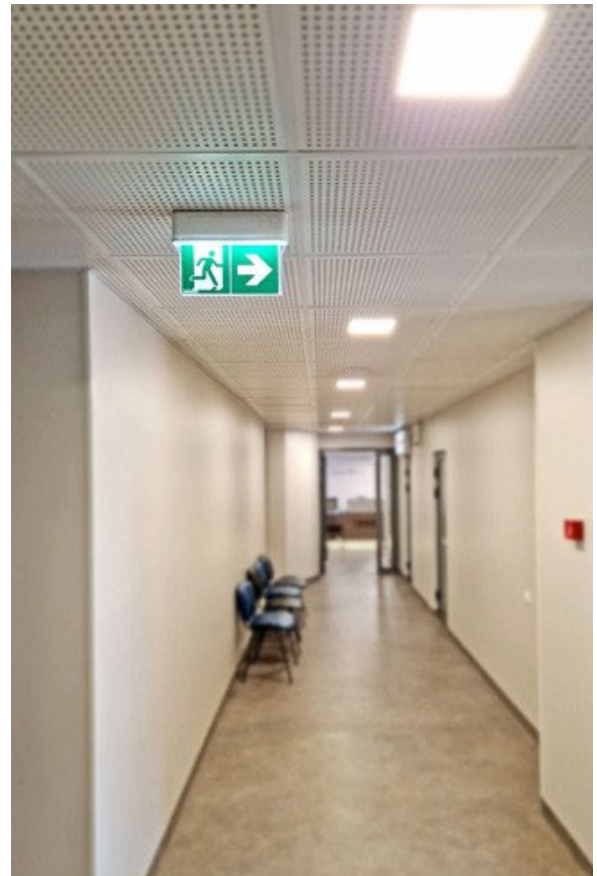
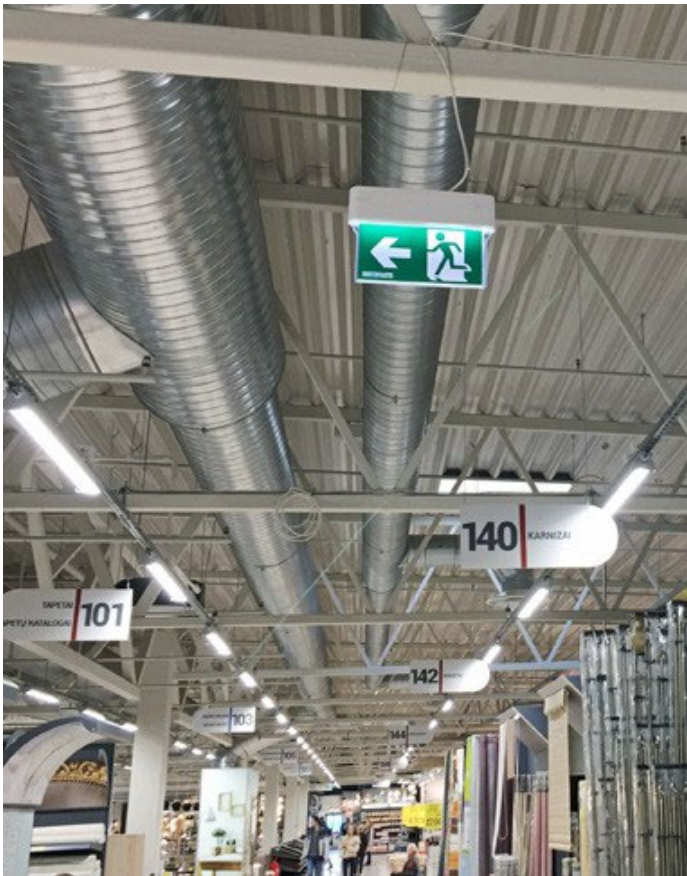


**Product:** Suspension MTG KIT SPARK LED (B/W)

**Description:** Suspension wire set, 1.5m adjustable (2pcs), black/ white

**Product:** Suspension MTG KIT SPARK LED (B/W)

**Description:** Suspension wire set, 3m adjustable (2pcs), black/ white



## KALLI LED

### Downlights



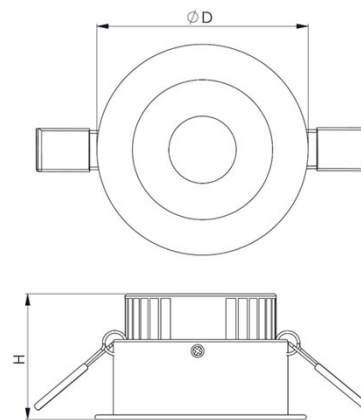
**DESCRIPTION:** Recessed mounted LED downlight  
**Light distribution type:** direct  
**Optical system:** lens, 40°  
**Housing:** die cast aluminium  
**Colour:** white, RAL9003

**GENERAL DATA:** **Mains voltage:** 220-240V, 0/50-60Hz  
**LED lifetime, h:** 40000/L70B50  
**SDCM:** 5  
**Protection class IEC:** II  
**Ingress protection code:** IP44  
**Mechanical impact resistance:** IK04  
**Operating temperature range, °C:** ta -10...+40

**INSTALLATION:** In ceilings with cut-out openings (mounting brackets included). Push-in terminal, 2x1x1.5mm<sup>2</sup>  
 Cut out dimensions: Ø80mm

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, bathroom, showroom, exhibition, public place



| PRODUCT                      | LENGTH, mm | HEIGHT, mm | WIDTH, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|------------------------------|------------|------------|-----------|-----------------------|------------------|------------------------|-----|---------|------------|
| KALLI LED1x700 G683 T830 CLR | 96         | 56         | 96        | 800                   | 8,5              | 94                     | 80+ | 3000    | 0,8        |
| KALLI LED1x700 G683 T840 CLR | 96         | 56         | 96        | 850                   | 8,5              | 100                    | 80+ | 4000    | 0,8        |

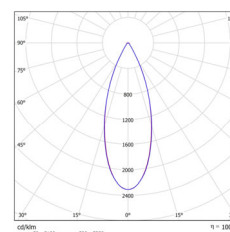
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### AVAILABLE OPTIONS:

T830 Colour temperature 3000K, CRI 80+  
 T840 Colour temperature 4000K, CRI 80+  
 DALI Driver with DALI interface and switch-control dimming  
 TDIM Driver with trailing-edge and leading-edge dimming  
 RAL RAL colour

\*note - price for uncommon RAL colour could be different from indicated. Ask before placing an order

#### STANDARD



## LUMORA LED

### Downlights



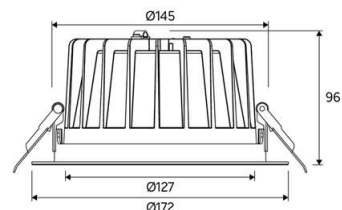
**DESCRIPTION:** Recessed mounted LED downlight  
Light distribution type: direct  
Optical system: lens, 40°  
Housing: aluminium  
Colour: white, RAL9003

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
LED lifetime, h: 100000/L70B50  
SDCM: 3  
Ingress protection code: IP40

**INSTALLATION:** In ceilings with cut-out openings  
The driver includes a screw-free strain relief – no tools are needed, and a 16 mm flexible conduit can be locked in place.

**ENVIRONMENT:** Indoor

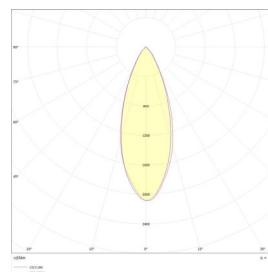
**APPLICATION:** Office, education, hotel, corridor, showroom, exhibition, public place, homes



| PRODUCT                       | SYSTEM POWER*, W | CCT*, K     | Beam angle (°) | DIMENSION (LxWxH/D, mm) | COLOUR | IP   |
|-------------------------------|------------------|-------------|----------------|-------------------------|--------|------|
| Lumora L 36° 3CCT W DALI      | 30               | 3000 - 5000 | 36             | -x-x99                  | White  | IP54 |
| Lumora L 36° 3CCT W DIM       | 30               | 3000 - 5000 | 36             | -x-x99                  | White  | IP54 |
| Lumora M 36° 3CCT W DALI      | 25               | 3000 - 5000 | 36             | -x-x90                  | White  | IP54 |
| Lumora M 36° 3CCT W DIM       | 25               | 3000 - 5000 | 36             | -x-x90                  | White  | IP54 |
| Lumora S 36° TILT 3CCT W DALI | 10               | 2700 - 4000 | 36             | -x-x54                  | White  | IP40 |
| Lumora S 36° TILT 3CCT W DIM  | 10               | 2700 - 4000 | 36             | -x-x54                  | White  | IP40 |

### ADDITIONAL INFORMATION:

Lumora is available in three sizes: small (S), medium (M) and large (L).  
Optimal light distribution and glare control with UGR90.  
The phase-dimmable version includes a 3-pole quick connector with through-wiring and a 5-pole quick connector for DALI

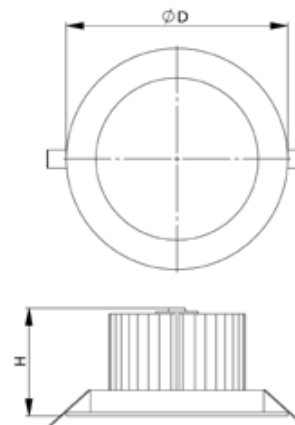


## VIBE LED

### Downlights



|                      |                                                                                                                                                                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Recessed mounted LED downlight</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> faceted aluminium reflector, 60°, low glare, clear glass diffuser / opal PMMA diffuser / translucent micro-prismatic PMMA diffuser<br><b>Housing:</b> aluminium<br><b>Colour:</b> white, RAL9016 |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 0/50-60Hz<br><b>LED lifetime, h:</b> 60000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> II<br><b>Ingress protection code:</b> IP44<br><b>Mechanical impact resistance:</b> IK04<br><b>Operating temperature range, °C:</b> ta 0...+35                          |
| <b>INSTALLATION:</b> | In ceilings with cut-out openings (mounting brackets included). Push-in terminal, 2x1x1.5mm²                                                                                                                                                                                                               |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                                                     |
| <b>APPLICATION:</b>  | Office, education, hotel, corridor, bathroom, retail, showroom, exhibition, public place                                                                                                                                                                                                                   |



| PRODUCT                      | DIAMETER, mm | HEIGHT, mm | CUT-OUT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|------------------------------|--------------|------------|-------------|-----------------------|------------------|------------------------|-----|---------|------------|
| VIBE LED1x1900 D329 T840 CLR | 195          | 100        | 165         | 1879                  | 13,5             | 139                    | 80+ | 4000    | 0,8        |
| VIBE LED1x2500 D330 T840 CLR | 195          | 100        | 165         | 2553                  | 18,7             | 137                    | 80+ | 4000    | 0,8        |
| VIBE LED1x3300 D331 T840 CLR | 195          | 100        | 165         | 3437                  | 26,5             | 130                    | 80+ | 4000    | 0,8        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

### AVAILABLE ACCESSORIES:



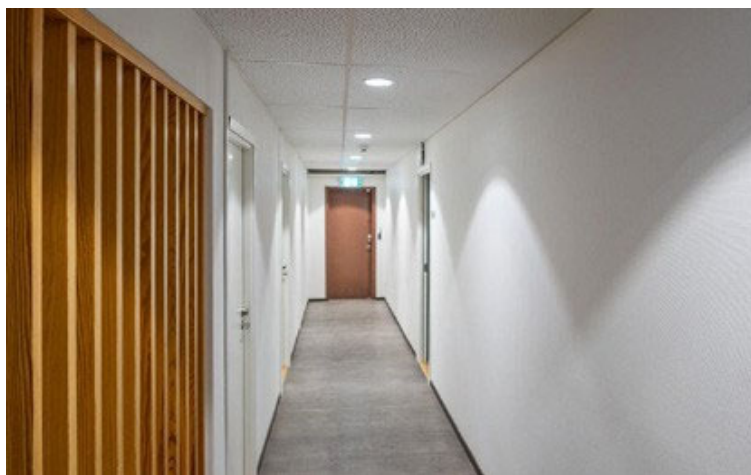
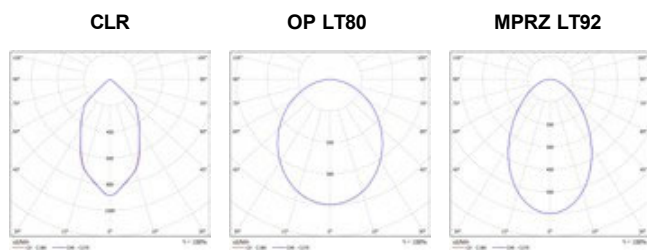
**Product:** VIBE LED diffuser 145mm OP LT80  
**Description:** Opal diffuser with high light transmittance



**Product:** VIBE LED diffuser 145mm MPRZ LT92  
**Description:** Translucent micro-prismatic diffuser with high light transmittance

**OPTIONS AVAILABLE ON REQUEST:**

| LED          | REFLECTOR AND OPTICS | CONTROL GEAR | EMERGENCY | CONNECTION    | COLOUR |
|--------------|----------------------|--------------|-----------|---------------|--------|
| T830         | OP LT80              | DALI         | EM3A      | WIE3-0.5m     | RAL    |
| T840         | MPRZ LT92            |              | EM3D      | WIE5D-0.5m    |        |
| T930         | OP TP(a)             |              |           | QBX2-0.1m     |        |
| T940         |                      |              |           | Europlug-1.5m |        |
| T927 NATURAL |                      |              |           | Europlug-3.0m |        |
| T930 NATURAL |                      |              |           |               |        |
| T940 NATURAL |                      |              |           |               |        |



## VIBE P LED

### Downlights



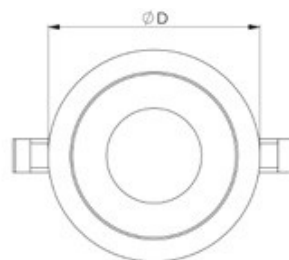
R60



R80



|                      |                                                                                                                                                                                                                                                                                 |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Recessed mounted LED downlight</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> faceted aluminium reflector, 60° / matt aluminium reflector, 80°, opal PMMA diffuser, low glare<br><b>Housing:</b> aluminium<br><b>Colour:</b> white, RAL9016         |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 50-60Hz<br><b>LED lifetime, h:</b> 50000/L80B10<br><b>SDCM:</b> 5<br><b>Protection class IEC:</b> II<br><b>Ingress protection code:</b> IP44<br><b>Mechanical impact resistance:</b> IK04<br><b>Operating temperature range, °C:</b> ta 0...+35 |
| <b>INSTALLATION:</b> | In ceilings with cut-out openings (mounting brackets included). Push-in terminal, 2x1x1.5mm <sup>2</sup>                                                                                                                                                                        |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                          |
| <b>APPLICATION:</b>  | Office, education, hotel, corridor, bathroom, retail, showroom, exhibition, public place                                                                                                                                                                                        |



| PRODUCT                              | DIAMETER, mm | HEIGHT, mm | CUT-OUT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K        | WEIGHT, kg |
|--------------------------------------|--------------|------------|-------------|-----------------------|------------------|------------------------|-----|----------------|------------|
| VIBE P LED1x950 J721 T830/40/57 R60  | 114          | 66         | 95          | 950                   | 10,0             | 95                     | 80+ | 3000/4000/5700 | 0,3        |
| VIBE P LED1x1900 G986 T830/40/57 R60 | 174          | 87         | 147         | 1900                  | 20,0             | 95                     | 80+ | 3000/4000/5700 | 0,4        |
| VIBE P LED1x2550 G987 T830/40/57 R60 | 232          | 110        | 200         | 2660                  | 28,0             | 95                     | 80+ | 3000/4000/5700 | 0,7        |
| VIBE P LED1x3350 J722 T830/40/57 R60 | 232          | 110        | 200         | 3325                  | 35,0             | 95                     | 80+ | 3000/4000/5700 | 0,7        |
| VIBE P LED1x1100 J723 T830/40/57 R80 | 114          | 66         | 95          | 1100                  | 10,0             | 110                    | 80+ | 3000/4000/5700 | 0,3        |
| VIBE P LED1x2400 G986 T830/40/57 R80 | 174          | 87         | 147         | 2400                  | 20,0             | 120                    | 80+ | 3000/4000/5700 | 0,4        |
| VIBE P LED1x3350 G987 T830/40/57 R80 | 232          | 110        | 200         | 3320                  | 27,9             | 119                    | 80+ | 3000/4000/5700 | 0,7        |
| VIBE P LED1x4050 J724 T830/40/57 R80 | 232          | 110        | 200         | 4025                  | 35,0             | 115                    | 80+ | 3000/4000/5700 | 0,7        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

### AVAILABLE ACCESSORIES:



**Product:** VIBE P LED 20W G986 steel cover white  
**Description:** Surface mounting cover for VIBE P LED, white steel, 182x182x155mm\*

**Product:** VIBE P LED 28W G987 steel cover white  
**Description:** Surface mounting cover for VIBE P LED, white steel, 240x240x180mm\*

\*note - Luminaire with surface mounting cover, protection degree is IP20



**Product:** VIBE P LED 20W G986 steel cover black  
**Description:** Surface mounting cover for VIBE P LED, black steel, 182x182x155mm\*

**Product:** VIBE P LED 28W G987 steel cover black  
**Description:** Surface mounting cover for VIBE P LED, black steel, 240x240x180mm\*

\*note - Luminaire with surface mounting cover, protection degree is IP20

**OPTIONS AVAILABLE ON REQUEST:**

| CONTROL GEAR | EMERGENCY | CONNECTION    | OTHER       |
|--------------|-----------|---------------|-------------|
| DALI         | EM3A      | WIE3-0.5m     | RND BLACK   |
|              | EM3D      | WIE5D-0.5m    | SQ WHITE    |
|              |           | QBX2-0.1m     | SQ BLACK    |
|              |           | Europlug-1.5m | GLASS WHITE |
|              |           | Europlug-3.0m | GLASS BLACK |

**LUMINAIRE FRAME OPTIONS:**



**Option:** RND BLACK

**Description:** Round luminaire frame in black, with dropped down glass cover



**Options:** SQ WHITE / SQ BLACK

**Description:** Square luminaire frame in white / black



**Option:** GLASS WHITE

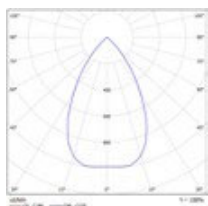
**Description:** Round luminaire frame in white, with dropped down glass cover



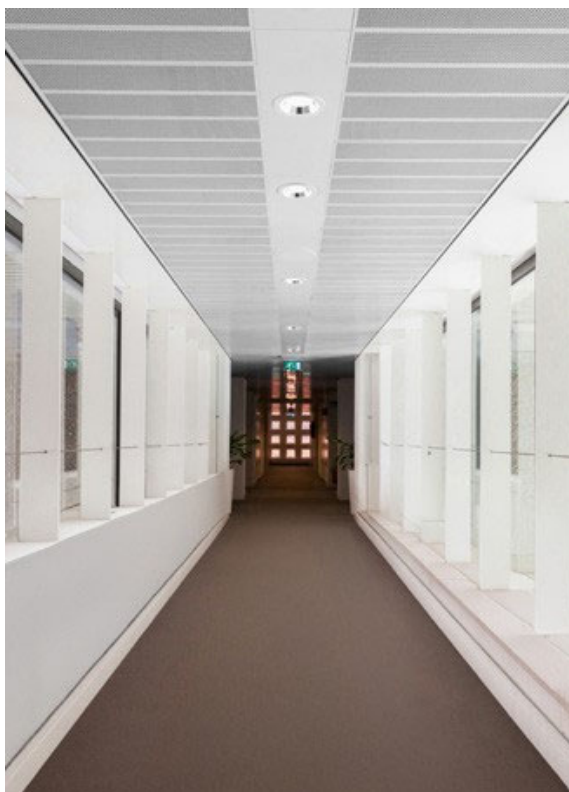
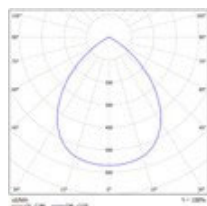
**Option:** GLASS BLACK

**Description:** Round luminaire frame in black, with dropped down glass cover

**R60**



**R80**



## HALO C LED

### Downlights



**DESCRIPTION:** Recessed mounted waterproof LED downlight

**Light distribution type:** direct  
**Optical system:** faceted aluminium reflector, 50°, low glare, tempered glass diffuser, silicon rubber gasket  
**Housing:** aluminium  
**Colour:** white, RAL9016

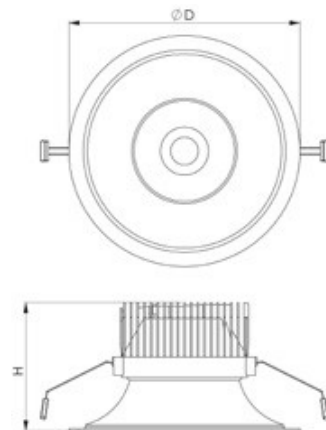
**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz (220-240V, 50-60Hz for model E958)

**LED lifetime, h:** 60000/L80B10  
**SDCM:** 3  
**Protection class IEC:** II  
**Ingress protection code:** IP65  
**Mechanical impact resistance:** IK05  
**Operating temperature range, °C:** ta -20...+35

**INSTALLATION:** In ceilings with cut-out openings (mounting brackets included). Cable, 0.3m, 2x0.75mm²

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, hotel, bathroom, retail, showroom, exhibition, public place



| PRODUCT                        | DIAMETER, mm | HEIGHT, mm | CUT-OUT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|--------------------------------|--------------|------------|-------------|-----------------------|------------------|------------------------|-----|---------|------------|
| HALO C LED1x2450 E956 T840 CLR | 225          | 90         | 205         | 2493                  | 19,8             | 126                    | 80+ | 4000    | 1,2        |
| HALO C LED1x3200 E957 T840 CLR | 225          | 90         | 205         | 3357                  | 27,1             | 124                    | 80+ | 4000    | 1,2        |
| HALO C LED1x4100 J214 T840 CLR | 225          | 90         | 205         | 4211                  | 35,1             | 120                    | 80+ | 4000    | 1,2        |
| HALO C LED1x4600 E958 T840 CLR | 225          | 90         | 205         | 4809                  | 42,1             | 114                    | 80+ | 4000    | 1,2        |

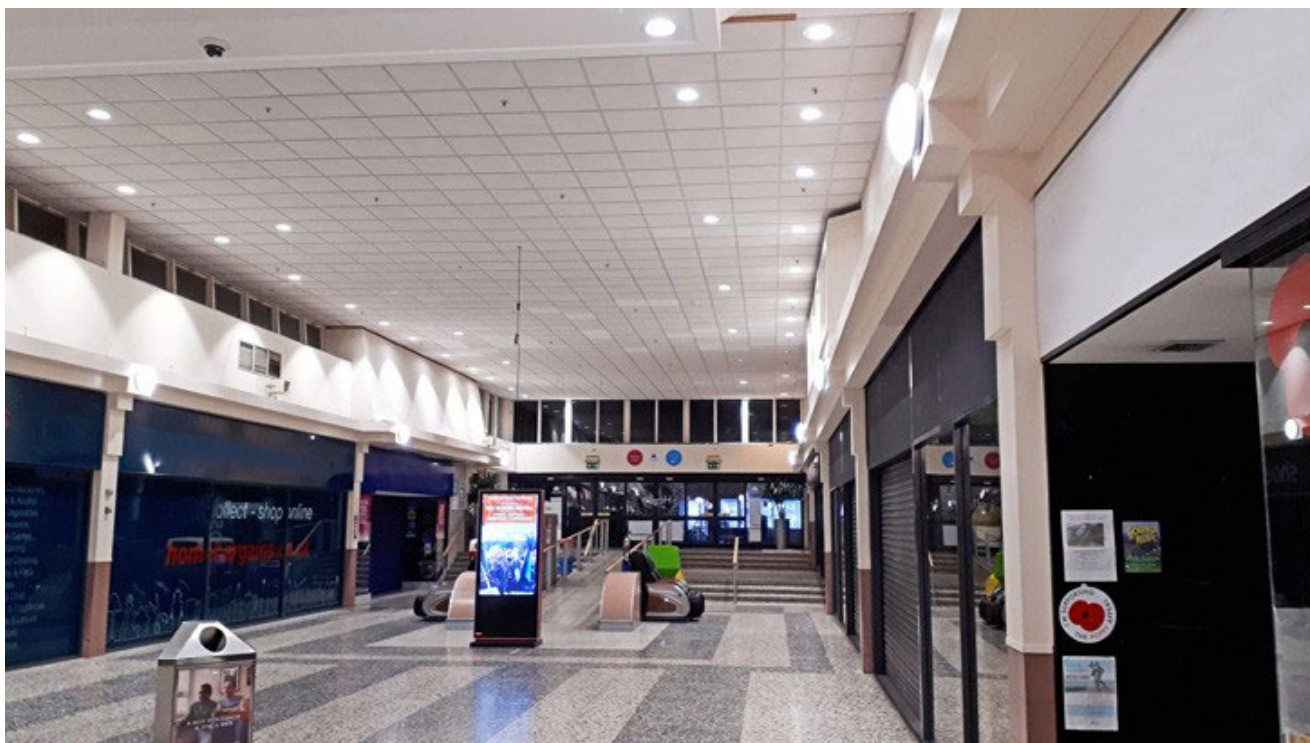
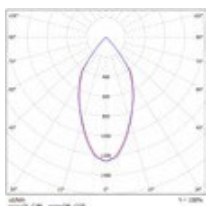
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

**OPTIONS AVAILABLE ON REQUEST:**

| LED          | CONTROL GEAR | EMERGENCY | COLOUR            |
|--------------|--------------|-----------|-------------------|
| T830         | T930 NATURAL | DALI      | EM3 <sup>1</sup>  |
| T840         | T940 NATURAL |           | EM3A <sup>1</sup> |
| T927 NATURAL |              |           | EM3D <sup>1</sup> |

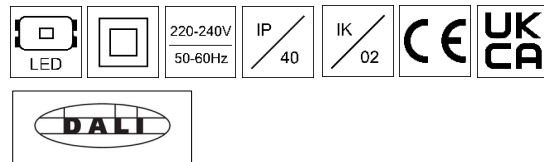
<sup>1</sup> Operating temperature range for Luminaires with EM option, °C: ta 0... +35

**STANDARD**



## HALLA A LED

### Downlights



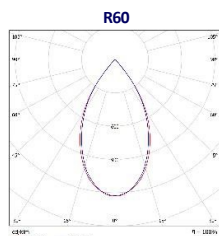
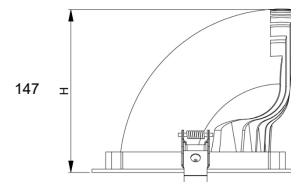
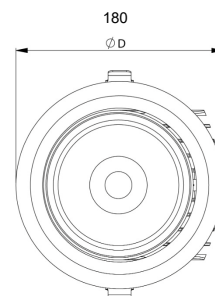
**DESCRIPTION:** Recessed mounted adjustable LED downlight  
**Light distribution type:** direct  
**Optical system:** faceted aluminium reflector, 60°, tempered glass diffuser  
**Housing:** aluminium  
**Colour:** white, RAL9016

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
**LED lifetime, h:** 60000/L80B10  
 (T930, T940: 50000/L80B10)  
**SDCM:** 3  
**Protection class IEC:** II  
**Ingress protection code:** IP40  
**Mechanical impact resistance:** IK02  
**Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** In ceilings with cut-out openings (mounting brackets included). Push-in terminal, 2x1x1.5mm<sup>2</sup>

**ENVIRONMENT:** Indoor

**APPLICATION:** Retail, showroom, exhibition, public place



355° horizontal rotation and 60° tilting

#### AVAILABLE OPTIONS:

|                    |                                                                                                    |               |                                                                                    |
|--------------------|----------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------|
| T830               | Colour temperature 3000K, CRI 80+                                                                  | T927 NATURAL  | Colour temperature 2700K, CRI 95+ NATURAL                                          |
| T840               | Colour temperature 4000K, CRI 80+                                                                  | T930 NATURAL  | Colour temperature 3000K, CRI 95+ NATURAL                                          |
| T930               | Colour temperature 3000K, CRI 90+                                                                  | NATURAL       | Colour temperature 4000K, CRI 95+ NATURAL                                          |
| T940               | Colour temperature 4000K, CRI 90+                                                                  | DALI          | Driver with DALI interface and switch-control dimming                              |
| T825 BREAD         | Special spectrum for bread 2500K, CRI 80+ T820 MEAT                                                | WIE3-0.5m     | 3-pole "Wieland - gesis classic" type or compatible connector with 0.5m cable      |
| T831 MEAT&WHITE    | Special spectrum for meat 2000K "pink", CRI 80+                                                    | WIE5D-0.5m    | 5-pole DALI "Wieland - gesis classic" type or compatible connector with 0.5m cable |
| VEGETABLES         | Special spectrum for meat products with increased white colour contrast 3100K "pink", CRI 80+ T930 | Europlug-1.5m | 2-pole "Europlug" type plug with 2x1.0mm <sup>2</sup> 1.5m cable                   |
| T932 FASHION       | Special spectrum for colourful products. Fruits, fashion 3000K, CRI 90+                            | Europlug-3.0m | 2-pole "Europlug" type plug with 2x1.0mm <sup>2</sup> 3.0m cable                   |
| T931 FASHION&WHITE | Special spectrum for fashion 3200K, CRI 90+ colour                                                 |               | RAL colour                                                                         |
|                    | Special spectrum for fashion with dominant white colour 3100K, CRI 90                              |               |                                                                                    |

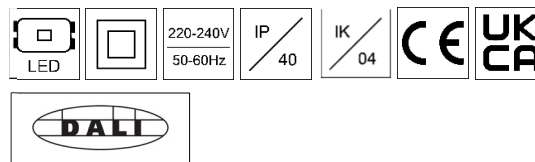
| PRODUCT                         | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|---------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| HALLA A LED1x1850 E826 T830 R60 | 180        | 180       | 147        | 1757                  | 13,5             | 130                    | 80+ | 3000    | 2,5        |
| HALLA A LED1x2450 E827 T830 R60 | 180        | 180       | 147        | 2387                  | 18,7             | 128                    | 80+ | 3000    | 2,5        |
| HALLA A LED1x3250 D784 T830 R60 | 180        | 180       | 147        | 3214                  | 26,5             | 121                    | 80+ | 3000    | 2,5        |
| HALLA A LED1x4150 J210 T830 R60 | 180        | 180       | 147        | 4031                  | 35,1             | 115                    | 80+ | 3000    | 2,5        |
| HALLA A LED1x4650 D785 T830 R60 | 180        | 180       | 147        | 4604                  | 40,2             | 115                    | 80+ | 3000    | 2,5        |
| HALLA A LED1x5050 D786 T830 R60 | 180        | 180       | 147        | 5120                  | 46,6             | 110                    | 80+ | 3000    | 2,5        |
| HALLA A LED1x1850 E826 T840 R60 | 180        | 180       | 147        | 1857                  | 13,5             | 138                    | 80+ | 4000    | 2,5        |
| HALLA A LED1x2450 E827 T840 R60 | 180        | 180       | 147        | 2523                  | 18,7             | 135                    | 80+ | 4000    | 2,5        |
| HALLA A LED1x3250 D784 T840 R60 | 180        | 180       | 147        | 3397                  | 26,5             | 128                    | 80+ | 4000    | 2,5        |
| HALLA A LED1x4150 J210 T840 R60 | 180        | 180       | 147        | 4261                  | 35,1             | 121                    | 80+ | 4000    | 2,5        |
| HALLA A LED1x4650 D785 T840 R60 | 180        | 180       | 147        | 4867                  | 40,2             | 121                    | 80+ | 4000    | 2,5        |
| HALLA A LED1x5050 D786 T840 R60 | 180        | 180       | 147        | 5413                  | 46,6             | 116                    | 80+ | 4000    | 2,5        |
| HALLA A LED1x1850 E826 T930 R60 | 180        | 180       | 147        | 1489                  | 13,3             | 112                    | 90+ | 3000    | 2,5        |
| HALLA A LED1x2450 E827 T930 R60 | 180        | 180       | 147        | 2041                  | 18,2             | 112                    | 90+ | 3000    | 2,5        |
| HALLA A LED1x3250 D784 T930 R60 | 180        | 180       | 147        | 2773                  | 25,8             | 107                    | 90+ | 3000    | 2,5        |
| HALLA A LED1x4150 J210 T930 R60 | 180        | 180       | 147        | 3440                  | 35,1             | 98                     | 90+ | 3000    | 2,5        |
| HALLA A LED1x4650 D785 T930 R60 | 180        | 180       | 147        | 3929                  | 40,2             | 98                     | 90+ | 3000    | 2,5        |
| HALLA A LED1x5050 D786 T930 R60 | 180        | 180       | 147        | 4370                  | 46,6             | 94                     | 90+ | 3000    | 2,5        |
| HALLA A LED1x1850 E826 T940 R60 | 180        | 180       | 147        | 1569                  | 13,3             | 118                    | 90+ | 4000    | 2,5        |
| HALLA A LED1x2450 E827 T940 R60 | 180        | 180       | 147        | 2151                  | 18,2             | 118                    | 90+ | 4000    | 2,5        |
| HALLA A LED1x3250 D784 T940 R60 | 180        | 180       | 147        | 2923                  | 25,8             | 113                    | 90+ | 4000    | 2,5        |
| HALLA A LED1x4150 J210 T940 R60 | 180        | 180       | 147        | 3626                  | 35,1             | 103                    | 90+ | 4000    | 2,5        |
| HALLA A LED1x4650 D785 T940 R60 | 180        | 180       | 147        | 4141                  | 40,2             | 103                    | 90+ | 4000    | 2,5        |
| HALLA A LED1x5050 D786 T940 R60 | 180        | 180       | 147        | 4606                  | 46,6             | 99                     | 90+ | 4000    | 2,5        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

\*Photos are for illustrational purposes only. The exact appearance of the product may vary depending on the monitor settings, options selected and other factors.

# TEKTOR R LED

## Downlights



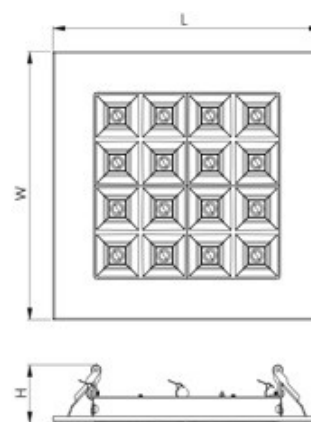
**DESCRIPTION:** Recessed mounted LED downlight  
**Light distribution type:** direct  
**Optical system:** double parabolic reflector with lenses, low glare  
**Housing:** steel  
**Colour:** white, RAL9016,

**GENERAL DATA:** Mains voltage: 220-240V, 50-60Hz  
LED lifetime, h: 60000/L80B10  
SDCM: 3  
Protection class IEC: II  
Ingress protection code: IP40  
Mechanical impact resistance: IK04  
Operating temperature range, °C: ta 0...+35

**INSTALLATION:** In ceilings with cut-out openings (mounting brackets included). Push-in terminal, 2x1x1.5mm2

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, bathroom, retail, showroom, public place

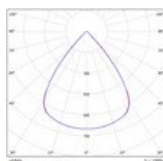


| Product                           | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|-----------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| TEKTOR R LED 1x850 J690 T830 WMC  | 130        | 130       | 37         | 817                   | 6,1              | 134                    | 80+        | 3000    | 0,3        |
| TEKTOR R LED 1x1150 J691 T830 WMC | 130        | 130       | 37         | 1063                  | 8,1              | 131                    | 80+        | 3000    | 0,3        |
| TEKTOR R LED 1x2300 J575 T830 WMC | 230        | 230       | 37         | 2237                  | 14,6             | 153                    | 80+        | 3000    | 0,9        |
| TEKTOR R LED 1x2900 J576 T830 WMC | 230        | 230       | 37         | 2772                  | 18,3             | 151                    | 80+        | 3000    | 0,9        |
| TEKTOR R LED 1x3800 J577 T830 WMC | 230        | 230       | 37         | 3714                  | 26,6             | 140                    | 80+        | 3000    | 0,9        |
| TEKTOR R LED 1x850 J690 T840 WMC  | 130        | 130       | 37         | 847                   | 6,1              | 139                    | 80+        | 4000    | 0,3        |
| TEKTOR R LED 1x1150 J691 T840 WMC | 130        | 130       | 37         | 1102                  | 8,1              | 136                    | 80+        | 4000    | 0,3        |
| TEKTOR R LED 1x2300 J575 T840 WMC | 230        | 230       | 37         | 2275                  | 15,5             | 147                    | 80+        | 4000    | 0,9        |
| TEKTOR R LED 1x2900 J576 T840 WMC | 230        | 230       | 37         | 2646                  | 18               | 147                    | 80+        | 4000    | 0,9        |
| TEKTOR R LED 1x3800 J577 T840 WMC | 230        | 230       | 37         | 3777                  | 25,6             | 148                    | 80+        | 4000    | 0,9        |

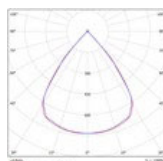
\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

- Operating temperature range for Luminaires with EM option, °C: ta 0... +35
- EM3/A/D options not available for models: J690, J691

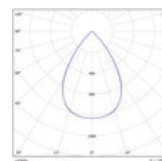
WGC



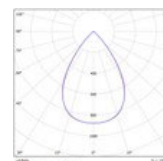
BGC



WMC



BMC



### Available options:

T830 Colour temperature 3000K, CRI 80+  
T840 Colour temperature 4000K, CRI 80+  
WMC White matt reflector with clear lens  
BMC Black matt reflector with clear lens  
DALI Driver with DALI interface and switch-control dimming  
EM3A Emergency version equipped with an autonomous testing system, 3 hours  
EM3D Emergency version 3 hours with DALI interface

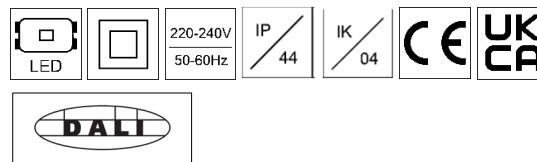
\*note - Operating temperature range for Luminaires with EM option, C: ta 0... +35

\*note - EM3B/A/D options not available for models: J690, J691

WIE3-0.5m 3-pole "Wieland - gesis classic" type or compatible connector with 0.5m cable  
WIE5D-0.5m 5-pole DALI "Wieland - gesis classic" type or compatible connector with 0.5m cable  
Europlug-1.5m 2-pole "Europlug" type plug with 2x1.0mm<sup>2</sup> 1.5m cable  
Europlug-3.0m 2-pole "Europlug" type plug with 2x1.0mm<sup>2</sup> 3.0m cable  
RAL RAL colour

## ARCON C LED

### Downlights



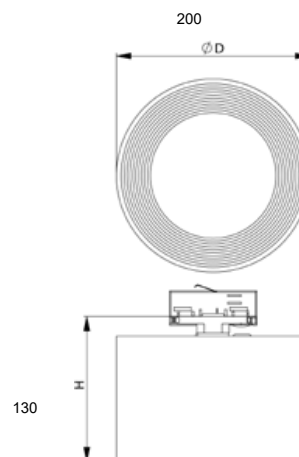
**DESCRIPTION:** Surface mounted LED downlight  
**Light distribution type:** direct  
**Optical system:** opal polycarbonate diffuser  
**Housing:** aluminium  
**Colour:** white, RAL9016,

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
**LED lifetime, h:** 60000/L80B10  
**SDCM:** 3  
**Protection class IEC:** I  
**Ingress protection code:** IP44  
**Mechanical impact resistance:** IK04  
**Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** On the ceiling. Push-in terminal, 3x2x2.5mm2

**ENVIRONMENT:** Indoor

**APPLICATION:** Office, education, hotel, corridor, bathroom, retail, showroom, exhibition, public place



| Product                           | Length, mm | Width, mm | Height, mm | Luminaire output, lm | System power, W | System efficacy, lm/W | CRI | CCT, K | Weight, kg |
|-----------------------------------|------------|-----------|------------|----------------------|-----------------|-----------------------|-----|--------|------------|
| ARCON C LED1x1400 D345 T830 OP    | 200        | 200       | 130        | 1261                 | 11,8            | 107                   | 80+ | 3000   | 1,0        |
| ARCON C LED1x1900 D346 T830 OP    | 200        | 200       | 130        | 1774                 | 16              | 111                   | 80+ | 3000   | 1,0        |
| ARCON C LED1x2600 D347 T830 OP    | 200        | 200       | 130        | 2458                 | 23,1            | 107                   | 80+ | 3000   | 1,0        |
| ARCON C LED1x1400 D345 T840 OP    | 200        | 200       | 130        | 1321                 | 11,8            | 112                   | 80+ | 4000   | 1,0        |
| ARCON C LED1x1900 D346 T840 OP    | 200        | 200       | 130        | 1858                 | 16              | 116                   | 80+ | 4000   | 1,0        |
| ARCON C LED1x2600 D347 T840 OP 1G | 200        | 200       | 130        | 2575                 | 23,1            | 112                   | 80+ | 4000   | 1,0        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### Available options:

T830 Colour temperature 3000K, CRI 80+  
 T840 Colour temperature 4000K, CRI 80+  
 DALI Driver with DALI interface and switch-control dimming  
 EM3 Emergency version 3 hours  
 EM3A Emergency version equipped with an autonomous testing system, 3 hours  
 EM3D Emergency version 3 hours with DALI interface SUS Suspended version  
 RAL RAL colour

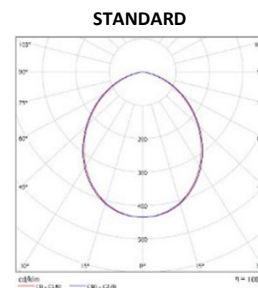


**Product:** Suspension MTG KIT SUSI

**Description:** Suspension wire set "I" type, 1.5m adjustable, 1pcs

\*note - 3pcs MTG KIT SUSI for one fitting required

\*note - SUS option is required



## GA EDGE B LED

### Spotlights



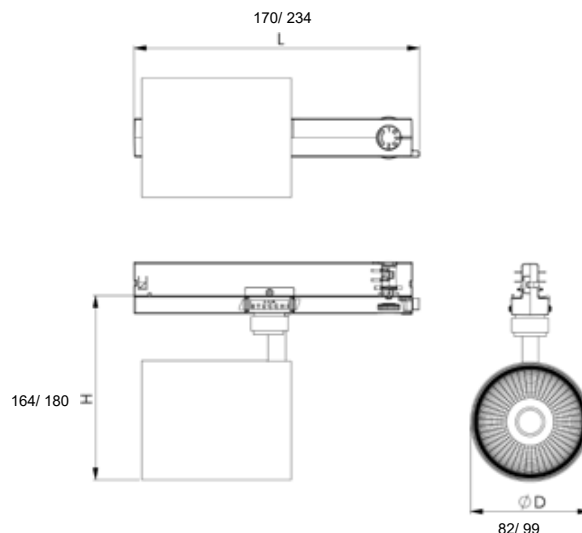
**DESCRIPTION:** Track mounted adjustable LED spotlight  
**Light distribution type:** direct  
**Optical system:** faceted aluminium reflector, clear PMMA diffuser  
**Housing:** aluminium  
**Colour:** white, RAL9016; black, RAL9017

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
**LED lifetime, h:** 60000/L80B10  
**SDCM:** 3  
**Protection class IEC:** II  
**Ingress protection code:** IP20  
**Mechanical impact resistance:** IK02  
**Operating temperature range, °C:** ta 0...+35

**INSTALLATION:** In 3-phase track. Track adaptor (3-phase + N) with phase selector

**ENVIRONMENT:** Indoor

**APPLICATION:** Retail, showroom, museum, exhibition, public place



| PRODUCT                           | LENGTH, mm | DIAMETER, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|-----------------------------------|------------|--------------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| GA EDGE B LED1x1900 G603 T840 R40 | 170        | 82           | 164        | 1901                  | 13,5             | 141                    | 80+ | 4000    | 0,6        |
| GA EDGE B LED1x2500 G604 T840 R40 | 170        | 82           | 164        | 2583                  | 18,7             | 138                    | 80+ | 4000    | 0,6        |
| GA EDGE B LED1x3350 G605 T840 R40 | 170        | 82           | 164        | 3478                  | 26,5             | 131                    | 80+ | 4000    | 0,6        |
| GA EDGE B LED1x4250 G606 T840 R40 | 234        | 99           | 180        | 4363                  | 34,0             | 128                    | 80+ | 4000    | 1,5        |
| GA EDGE B LED1x4750 G667 T840 R40 | 234        | 99           | 180        | 4983                  | 39,8             | 125                    | 80+ | 4000    | 1,5        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

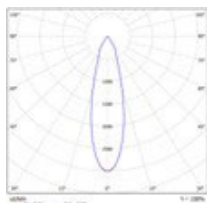
**OPTIONS AVAILABLE ON REQUEST:**

| LED                | REFLECTOR AND OPTICS | CONTROL GEAR        |
|--------------------|----------------------|---------------------|
| T830               | R24                  | DALI <sup>1 2</sup> |
| T840               | R40                  | BLT                 |
| T930               | R60                  | KRBLT               |
| T940               |                      |                     |
| T820 MEAT          |                      |                     |
| T831 MEAT&WHITE    |                      |                     |
| T825 BREAD         |                      |                     |
| T930 VEGETABLES    |                      |                     |
| T932 FASHION       |                      |                     |
| T931 FASHION&WHITE |                      |                     |
| T927 NATURAL       |                      |                     |
| T930 NATURAL       |                      |                     |
| T940 NATURAL       |                      |                     |

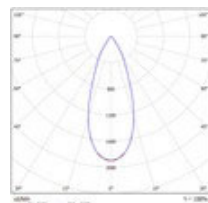
1 With DALI option, luminaire length: 260mm

2 For this model DALI option is not compatible with switch-control dimming functionality

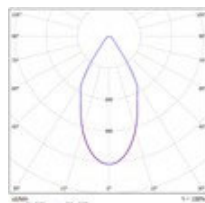
**R24**



**R40**



**R60**

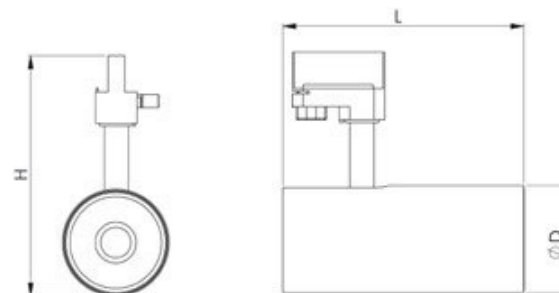


## GA LUXE E LED

### Spotlights



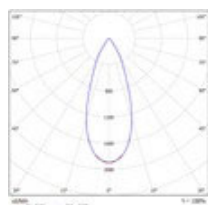
|                      |                                                                                                                                                                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DESCRIPTION:</b>  | <b>Track mounted adjustable LED spotlight</b><br><b>Light distribution type:</b> direct<br><b>Optical system:</b> faceted aluminium reflector, clear PMMA diffuser<br><b>Housing:</b> thermoplastic<br><b>Colour:</b> white, RAL9016; black, RAL9005                           |
| <b>GENERAL DATA:</b> | <b>Mains voltage:</b> 220-240V, 50-60Hz<br><b>LED lifetime, h:</b> 50000/L80B10<br><b>SDCM:</b> 3<br><b>Protection class IEC:</b> I<br><b>Ingress protection code:</b> IP20<br><b>Mechanical impact resistance:</b> IK02<br><b>Operating temperature range, °C:</b> ta 0...+35 |
| <b>INSTALLATION:</b> | In 3-phase track. Track adaptor (3-phase + N) with phase selector                                                                                                                                                                                                              |
| <b>ENVIRONMENT:</b>  | Indoor                                                                                                                                                                                                                                                                         |
| <b>APPLICATION:</b>  | Retail, showroom, museum, exhibition, public place                                                                                                                                                                                                                             |



| PRODUCT                           | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|-----------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| GA LUXE E LED1x1750 J652 T840 R40 | 185        | 80        | 172        | 1750                  | 17,7             | 99                     | 80+ | 4000    | 0,8        |
| GA LUXE E LED1x2500 J653 T840 R40 | 210        | 90        | 182        | 2913                  | 28,5             | 102                    | 80+ | 4000    | 1,1        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### R40



## GLEAM A LED

### Spotlights



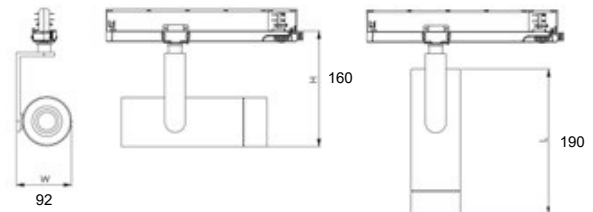
**DESCRIPTION:** Track mounted adjustable beam LED luminaire  
**Light distribution type:** direct  
**Optical system:** adjustable faceted reflector, 20-60°  
**Housing:** aluminium  
**Colour:** white, RAL9016; black, RAL9017

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
LED lifetime, h: 60000/L80B10  
SDCM: 3  
Protection class IEC: II  
Ingress protection code: IP20  
Mechanical impact resistance: IK02  
Operating temperature range, °C: ta 0...+35

**INSTALLATION:** In 3-phase track. Track adaptor (3-phase + N) with phase selector

**ENVIRONMENT:** Indoor

**APPLICATION:** Retail, showroom, exhibition, public place



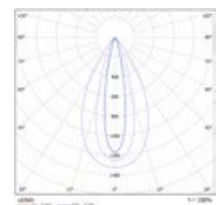
| PRODUCT                            | LENGTH, mm | WIDTH, mm | HEIGHT, mm | LUMINAIRE OUTPUT*, lm | SYSTEM POWER*, W | SYSTEM EFFICACY*, lm/W | CRI | CCT*, K | WEIGHT, kg |
|------------------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|-----|---------|------------|
| GLEAM A LED1x1950 J440 T840 R20-60 | 190        | 92        | 160        | 1946                  | 13,5             | 144                    | 80+ | 4000    | 1,1        |
| GLEAM A LED1x2600 J441 T840 R20-60 | 190        | 92        | 160        | 2644                  | 18,7             | 141                    | 80+ | 4000    | 1,1        |
| GLEAM A LED1x3400 J442 T840 R20-60 | 190        | 92        | 160        | 3559                  | 26,5             | 134                    | 80+ | 4000    | 1,1        |
| GLEAM A LED1x4300 J443 T840 R20-60 | 190        | 92        | 160        | 4464                  | 34,0             | 131                    | 80+ | 4000    | 1,1        |

\*Tolerance range for optical and electrical data: ±10%. Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

#### OPTIONS AVAILABLE ON REQUEST:

| LED             | CONTROL GEAR                         |
|-----------------|--------------------------------------|
| T830            | T930 VEGETABLES DALI <sup>1</sup>    |
| T840            | T932 FASHION BLT                     |
| T930            | T931 FASHION&WHITE KRBLT             |
| T940            | T927 NATURAL ROTARY DIM <sup>2</sup> |
| T820 MEAT       | T930 NATURAL                         |
| T831 MEAT&WHITE | T940 NATURAL                         |
| T825 BREAD      |                                      |

#### R20-60



1 For this model DALI option is not compatible with switch-control dimming functionality

2 Rotary DIM option not applicable for model: J443



## DURON LED

### Spotlights



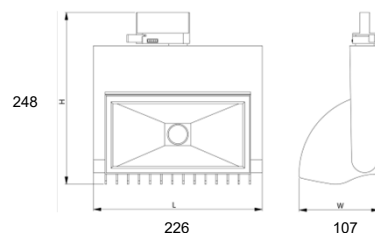
**DESCRIPTION:** Track mounted adjustable LED spotlight  
**Light distribution type:** direct  
**Optical system:** faceted aluminium reflector, 60°, tempered glass diffuser  
**Housing:** aluminium  
**Colour:** white (RAL9016), black (RAL9017)

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
 LED lifetime, h: 60000/L80B10 (T930, T940: 50000/L80B10)  
 SDCM: 3  
 Protection class IEC: I  
 Ingress protection code: IP20  
 Mechanical impact resistance: IK02  
 Operating temperature range, °C: ta 0...+35

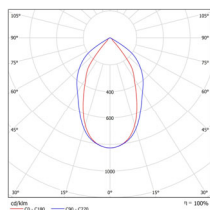
**INSTALLATION:** In 3-phase track. Track adaptor (3-phase + N) with phase selector

**ENVIRONMENT:** Indoor

**APPLICATION:** Retail, showroom, exhibition, public place



R60



| Product                               | Length, mm | Width, mm | Height, mm | Luminaire output, lm | System power, W | System efficacy, lm/W | CRI | CCT, K | Weight, kg |
|---------------------------------------|------------|-----------|------------|----------------------|-----------------|-----------------------|-----|--------|------------|
| Duron LED1x1900 D749 T830 R60         | 226        | 107       | 248        | 1820                 | 13,1            | 139                   | 80+ | 3000   | 2,6        |
| Duron LED1x2550 D750 T830 R60         | 226        | 107       | 248        | 2473                 | 19,5            | 127                   | 80+ | 3000   | 2,6        |
| Duron LED1x3350 D751 T830 R60         | 226        | 107       | 248        | 3329                 | 27,1            | 123                   | 80+ | 3000   | 2,6        |
| Duron LED1x4250 J198 T830 R60         | 226        | 107       | 248        | 4175                 | 35,1            | 119                   | 80+ | 3000   | 2,6        |
| Duron LED1x4800 D789 T830 R60         | 226        | 107       | 248        | 4768                 | 42,1            | 113                   | 80+ | 3000   | 2,6        |
| Duron LED1x5250 D748 T830 R60         | 226        | 107       | 248        | 5303                 | 47,1            | 113                   | 80+ | 3000   | 2,6        |
| Duron LED1x1900 D749 T840 R60         | 226        | 107       | 248        | 1924                 | 13,1            | 147                   | 80+ | 4000   | 2,6        |
| Duron LED1x2550 D750 T840 R60         | 226        | 107       | 248        | 2613                 | 19,5            | 134                   | 80+ | 4000   | 2,6        |
| Duron LED1x3350 D751 T840 R60         | 226        | 107       | 248        | 3518                 | 27,1            | 130                   | 80+ | 4000   | 2,6        |
| Duron LED1x4250 J198 T840 R60         | 226        | 107       | 248        | 4414                 | 35,1            | 126                   | 80+ | 4000   | 2,6        |
| Duron LED1x4800 D789 T840 R60         | 226        | 107       | 248        | 5041                 | 42,1            | 120                   | 80+ | 4000   | 2,6        |
| Duron LED1x5250 D748 T840 R60         | 226        | 107       | 248        | 5606                 | 47,1            | 119                   | 80+ | 4000   | 2,6        |
| Duron LED1x1900 D749 T930 R60         | 226        | 107       | 248        | 1543                 | 12,8            | 121                   | 90+ | 3000   | 2,6        |
| Duron LED1x2550 D750 T930 R60         | 226        | 107       | 248        | 2114                 | 19,1            | 111                   | 90+ | 3000   | 2,6        |
| Duron LED1x3350 D751 T930 R60         | 226        | 107       | 248        | 2872                 | 26,4            | 109                   | 90+ | 3000   | 2,6        |
| Duron LED1x4250 J198 T930 R60         | 226        | 107       | 248        | 3563                 | 35,1            | 102                   | 90+ | 3000   | 2,6        |
| Duron LED1x4800 D789 T930 R60         | 226        | 107       | 248        | 4069                 | 42,1            | 97                    | 90+ | 3000   | 2,6        |
| Duron LED1x5250 D748 T930 R60         | 226        | 107       | 248        | 4526                 | 47,1            | 96                    | 90+ | 3000   | 2,6        |
| Duron LED1x1900 D749 T940 R60         | 226        | 107       | 248        | 1625                 | 12,8            | 127                   | 90+ | 4000   | 2,6        |
| Duron LED1x2550 D750 T940 R60         | 226        | 107       | 248        | 2228                 | 19,1            | 117                   | 90+ | 4000   | 2,6        |
| Duron LED1x3350 D751 T940 R60         | 226        | 107       | 248        | 3028                 | 26,4            | 115                   | 90+ | 4000   | 2,6        |
| Duron LED1x4250 J198 T940 R60         | 226        | 107       | 248        | 3756                 | 35,1            | 107                   | 90+ | 4000   | 2,6        |
| Duron LED1x4800 D789 T940 R60         | 226        | 107       | 248        | 4289                 | 42,1            | 102                   | 90+ | 4000   | 2,6        |
| Duron LED1x5250 D748 T940 R60         | 226        | 107       | 248        | 4770                 | 47,1            | 101                   | 90+ | 4000   | 2,6        |
| Duron LED1x1900 D749 T830 R60 RAL9017 | 226        | 107       | 248        | 1820                 | 13,1            | 139                   | 80+ | 3000   | 2,6        |
| Duron LED1x2550 D750 T830 R60 RAL9017 | 226        | 107       | 248        | 2473                 | 19,5            | 127                   | 80+ | 3000   | 2,6        |
| Duron LED1x3350 D751 T830 R60 RAL9017 | 226        | 107       | 248        | 3329                 | 27,1            | 123                   | 80+ | 3000   | 2,6        |

|                                       |     |     |     |      |      |     |     |      |     |
|---------------------------------------|-----|-----|-----|------|------|-----|-----|------|-----|
| Duron LED1x4250 J198 T830 R60 RAL9017 | 226 | 107 | 248 | 4175 | 35,1 | 119 | 80+ | 3000 | 2,6 |
| Duron LED1x4800 D789 T830 R60 RAL9017 | 226 | 107 | 248 | 4768 | 42,1 | 113 | 80+ | 3000 | 2,6 |
| Duron LED1x5250 D748 T830 R60 RAL9017 | 226 | 107 | 248 | 5303 | 47,1 | 113 | 80+ | 3000 | 2,6 |
| Duron LED1x1900 D749 T840 R60 RAL9017 | 226 | 107 | 248 | 1924 | 13,1 | 147 | 80+ | 4000 | 2,6 |
| Duron LED1x2550 D750 T840 R60 RAL9017 | 226 | 107 | 248 | 2613 | 19,5 | 134 | 80+ | 4000 | 2,6 |
| Duron LED1x3350 D751 T840 R60 RAL9017 | 226 | 107 | 248 | 3518 | 27,1 | 130 | 80+ | 4000 | 2,6 |
| Duron LED1x4250 J198 T840 R60 RAL9017 | 226 | 107 | 248 | 4414 | 35,1 | 126 | 80+ | 4000 | 2,6 |
| Duron LED1x4800 D789 T840 R60 RAL9017 | 226 | 107 | 248 | 5041 | 42,1 | 120 | 80+ | 4000 | 2,6 |
| Duron LED1x5250 D748 T840 R60 RAL9017 | 226 | 107 | 248 | 5606 | 47,1 | 119 | 80+ | 4000 | 2,6 |
| Duron LED1x1900 D749 T930 R60 RAL9017 | 226 | 107 | 248 | 1543 | 12,8 | 121 | 90+ | 3000 | 2,6 |
| Duron LED1x2550 D750 T930 R60 RAL9017 | 226 | 107 | 248 | 2114 | 19,1 | 111 | 90+ | 3000 | 2,6 |
| Duron LED1x3350 D751 T930 R60 RAL9017 | 226 | 107 | 248 | 2872 | 26,4 | 109 | 90+ | 3000 | 2,6 |
| Duron LED1x4250 J198 T930 R60 RAL9017 | 226 | 107 | 248 | 3563 | 35,1 | 102 | 90+ | 3000 | 2,6 |
| Duron LED1x4800 D789 T930 R60 RAL9017 | 226 | 107 | 248 | 4069 | 42,1 | 97  | 90+ | 3000 | 2,6 |
| Duron LED1x5250 D748 T930 R60 RAL9017 | 226 | 107 | 248 | 4526 | 47,1 | 96  | 90+ | 3000 | 2,6 |
| Duron LED1x1900 D749 T940 R60 RAL9017 | 226 | 107 | 248 | 1625 | 12,8 | 127 | 90+ | 4000 | 2,6 |
| Duron LED1x2550 D750 T940 R60 RAL9017 | 226 | 107 | 248 | 2228 | 19,1 | 117 | 90+ | 4000 | 2,6 |
| Duron LED1x3350 D751 T940 R60 RAL9017 | 226 | 107 | 248 | 3028 | 26,4 | 115 | 90+ | 4000 | 2,6 |
| Duron LED1x4250 J198 T940 R60 RAL9017 | 226 | 107 | 248 | 3756 | 35,1 | 107 | 90+ | 4000 | 2,6 |
| Duron LED1x4800 D789 T940 R60 RAL9017 | 226 | 107 | 248 | 4289 | 42,1 | 102 | 90+ | 4000 | 2,6 |
| Duron LED1x5250 D748 T940 R60 RAL9017 | 226 | 107 | 248 | 4770 | 47,1 | 101 | 90+ | 4000 | 2,6 |

\*Tolerance range for optical and electrical data:  $\pm 10\%$ . Values apply to an ambient temperature of 25°C. The manufacturer is constantly developing and improving its products. The right is reserved to change any product specifications without prior notification

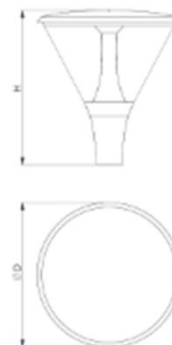
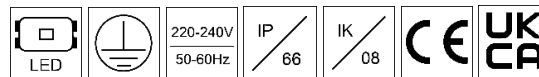
#### Available options:

|                    |                                                                                        |
|--------------------|----------------------------------------------------------------------------------------|
| T830               | Colour temperature 3000K, CRI 80+                                                      |
| T840               | Colour temperature 4000K, CRI 80+                                                      |
| T930               | Colour temperature 3000K, CRI 90+                                                      |
| T940               | Colour temperature 4000K, CRI 90+                                                      |
| T825 BREAD         | Special spectrum for bread 2500K, CRI 80+                                              |
| T820 MEAT          | Special spectrum for meat 2000K "pink", CRI 80+                                        |
| T831 MEAT&WHITE    | Special spectrum for meat products with increased white colour contrast 3100K, CRI 80+ |
| T930 VEGETABLES    | Special spectrum for colourful products. Fruits, fashion 3000K, CRI 90+                |
| T932 FASHION       | Special spectrum for fashion 3200K, CRI 90+                                            |
| T931 FASHION&WHITE | Special spectrum for fashion with dominant white colour 3100K, CRI 90+                 |

|                                                                                                 |                                               |
|-------------------------------------------------------------------------------------------------|-----------------------------------------------|
| T927 NATURAL                                                                                    | Colour temperature 2700K, CRI 95+ NATURAL     |
| T930 NATURAL                                                                                    | Colour temperature 3000K, CRI 95+ NATURAL     |
| T940 NATURAL                                                                                    | Colour temperature 4000K, CRI 95+ NATURAL     |
| R60                                                                                             | Reflector with 60 light beam angle (standard) |
| *note - standard tracks and adapters RAL colours: RAL9010, RAL9005, RAL7035                     |                                               |
| DALI                                                                                            | Driver with DALI interface                    |
| *note - for this model DALI option is not compatible with switch-control dimming functionality. |                                               |

## HELIO LED

### Park and Street Luminaires



**DESCRIPTION:** Pole-mounted LED park luminaire  
Light distribution type: direct  
Optical system: lenses, polycarbonate diffuser, impact resistant  
Housing: aluminium  
Colour: Light grey, RAL 9006

**GENERAL DATA:** Mains voltage: 220-240V, 0/50-60Hz  
LED lifetime, h: 50000/L80B10  
SDCM: 5  
Protection class IEC: I  
Ingress protection code: IP66  
Mechanical impact resistance: IK08  
Operating temperature range, °C: ta -25...+40

**INSTALLATION:** With three screws on poles Ø60mm. Push-in terminal, 3x2x2.5mm2

**ENVIRONMENT:** Outdoor

**APPLICATION:** Park, public space

| Product                   | Length, mm | Width, mm | Height, mm | Luminaire output*, lm | System power*, W | System efficacy*, lm/W | CRI * (Ra) | CCT*, K | Weight, kg |
|---------------------------|------------|-----------|------------|-----------------------|------------------|------------------------|------------|---------|------------|
| Helio LED1x7400 J675 T830 | 500        | 500       | 523        | 6802                  | 58,3             | 117                    | 80+        | 3000    | 9          |
| Helio LED1x9350 J708 T830 | 500        | 500       | 523        | 8649                  | 78,1             | 111                    | 80+        | 3000    | 9          |
| Helio LED1x5300 J674 T840 | 500        | 500       | 523        | 5275                  | 39,3             | 134                    | 80+        | 4000    | 9          |
| Helio LED1x7400 J675 T840 | 500        | 500       | 523        | 7394                  | 58,3             | 127                    | 80+        | 4000    | 9          |
| Helio LED1x9350 J708 T840 | 500        | 500       | 523        | 9328                  | 78,1             | 119                    | 80+        | 4000    | 9          |

#### OPTIONS AVAILABLE ON REQUEST:

T830 Colour temperature 3000K, CRI 80+

T840 Colour temperature 4000K, CRI 80+

DALI Driver with DALI interface and switch-control dimming

ADIM Driver with autonomous two-level dimming

CBF3x1.5-N m Outgoing flexible cable 3x1.5mm², length according to customer specification

CBF5x1.5-N m Outgoing flexible cable 5x1.5mm², length according to customer specification

\*note - please specify the length of outgoing cable before placing an order



# SKILUX VALAISTUS

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## TARINAMME

Skilux Oy on vuonna 1998 perustettu yksityinen ja itsenäinen valaisintukku. Valaistus- ja kiskotuotteiden lisäksi tarjoamme valaistussuunnittelua, tuotteidemme asennusta, huoltoa ja ylläpitoa. Olemme palveleva valaisintukku.

Skilux Oy:n toiminta on alkanut espoolaisesta autotallista ja yrityksen kotipaikka on edelleenkin Espoo. Toiminnan laajennuttua koko Suomen ja Euroopan alueelle, yritys hankki toimisto- sekä varastotilat Helsingistä. Tänä päivänä pääkonttorimme sekä noutovarastomme sijaitsevat Helsingin Konalassa. Toiminta-alueemme kattaa koko Suomen ja myyntiedustajamme ovatkin helposti tavoitettavissa ympäri Suomea. Tärkeitä arvoja yrityksellemme ovat asiakaspalvelu, luotettavuus ja joustava toiminta. Asiakkaan ongelmanratkaisu ja asiakastyytyväisyys ovat toimintamme perusta. Henkilökuntamme on motivoitunutta, koulutettua ja asiantuntevaa. Palvelemme asiakkaitamme kymmenien vuosien kokemuksella ja useimmat asiakkaamme ovatkin olleet asiakkainamme jo yli 20 vuotta. Tämä jo itsessään kertoo luotettavuudesta sekä tyytyväisistä asiakkaista.

luotettava  
kumppani

