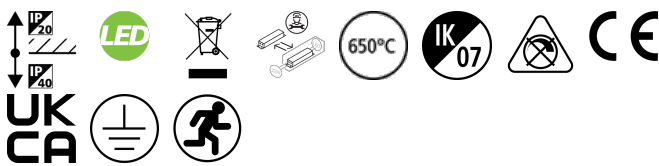


Colossal 600 Prismatic  
COLOSSAL 600mm 840 PRISM DIR+HAL WHITE EM  
2071216



Product features

- 600mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct/indirect (halo) light distribution, 4090lm luminuous flux, 32.1W system power, 127lm/W luminaire efficacy. Constant current driver. 3 hours integrated emergency. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 350mA drive current. UGR 19. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.



PRODUCT OVERVIEW

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Product name                    | COLOSSAL 600mm 840 PRISM DIR+HAL WHITE EM |
| Technology                      | LED (3 SDCM)                              |
| Cap/Base                        | N/A                                       |
| Housing                         | Aluminium                                 |
| Mount                           | Suspended                                 |
| General application             | Hospitality, Office                       |
| ETIM Class                      | EC002892                                  |
| Warranty                        | 5 years                                   |
| Fixture luminous flux (lm)      | 4090                                      |
| Luminous flux (lm)              | 4090                                      |
| Luminaire efficacy (lm/W)       | 127                                       |
| Colour temperature (K)          | 4000                                      |
| Colour Code                     | 840                                       |
| Light colour                    | Neutral White                             |
| CRI (Ra)                        | 80                                        |
| Colour Variation Initial (SDCM) | SDCM3                                     |
| Glare control                   | < 19                                      |
| Photobiological Risk Group      | RG0                                       |
| Total power consumption (W)     | 32.1                                      |
| Electrical protection           | Class I                                   |
| Control gear type               | LED driver constant current               |
| Dimmable                        | No                                        |
| Dimming method                  | N/A                                       |
| LED Flickering Rate             | Ultra low (5% or less)                    |
| Housing colour                  | RAL 9016 - Traffic white / Bezel          |
| IP rating                       | IP40/20                                   |
| IK rating                       | IK07                                      |
| Product EAN number              | 5025768712168                             |

DATA TABLE

## Colossal 600 Prismatic

*COLOSSAL 600mm 840 PRISM DIR+HAL WHITE EM*

2071216

### General data

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Product name                     | COLOSSAL 600mm 840 PRISM DIR+HAL WHITE EM |
| Technology                       | LED (3 SDCM)                              |
| Cap/Base                         | N/A                                       |
| Housing                          | Aluminium                                 |
| Mount                            | Suspended                                 |
| General application              | Hospitality, Office                       |
| Operating temperature range (°C) | 10°C...+25°C                              |
| ETIM Class                       | EC002892                                  |
| Warranty                         | 5 years                                   |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 4090          |
| Luminous flux (lm)              | 4090          |
| Luminaire efficacy (lm/W)       | 127           |
| Colour temperature (K)          | 4000          |
| Colour Code                     | 840           |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Distribution type               | Symmetric     |
| Glare control                   | < 19          |
| Photobiological Risk Group      | RG0           |
| Emergency duration (h)          | 3             |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 32.1                        |
| Primary Supply/Product voltage - min (V)                       | 220                         |
| Primary Supply/Product voltage - max (V)                       | 240                         |
| Lamp power factor                                              | 0.95                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 20                          |
| Electrical protection                                          | Class I                     |
| Control gear required                                          | No                          |
| Control gear type                                              | LED driver constant current |
| Dimmable                                                       | No                          |
| Dimming method                                                 | N/A                         |
| Drive current (mA)                                             | 350                         |
| Inrush Current (A)                                             | 22                          |
| Inrush Duration (µs)                                           | 250                         |
| Glow Wire Test (°C)                                            | 650                         |
| Energy Efficiency Class (A->G) of contained light source       | B                           |
| Nominal Frequency (Hz)                                         | 50/60Hz                     |
| LED Flickering Rate                                            | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                | 28                          |
| Max. products per 13A C Breaker                                | 36                          |
| Max. products per 16A C Breaker                                | 45                          |
| Max. products per 20A C Breaker                                | 56                          |

## Colossal 600 Prismatic

*COLOSSAL 600mm 840 PRISM DIR+HAL WHITE EM*  
2071216

|                                                 |     |
|-------------------------------------------------|-----|
| Max. products per 10A B Breaker                 | 17  |
| Max. products per 13A B Breaker                 | 22  |
| Max. products per 16A B Breaker                 | 27  |
| Max. products per 20A B Breaker                 | 34  |
| Connectable conductor cross section - Max (mm²) | 2.5 |

### Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 170000 |
| Lifespan L80 B20 | 145000 |
| Lifespan L90 B10 | 66000  |

### Physical data

|                               |                                  |
|-------------------------------|----------------------------------|
| Housing colour                | RAL 9016 - Traffic white / Bezel |
| IP rating                     | IP40/20                          |
| IK rating                     | IK07                             |
| Diffuser finish               | Prismatic                        |
| Diffuser material             | PMMA Acrylic                     |
| Nominal Product Height (mm)   | 93                               |
| Nominal Product Diameter (mm) | 604                              |
| Weight (kg)                   | 9.3                              |

### Packaging

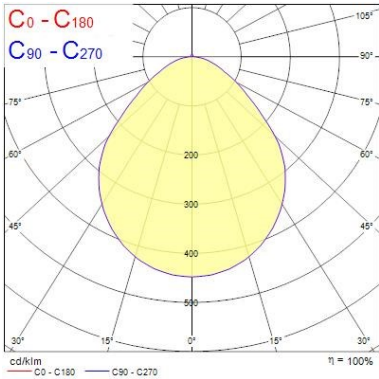
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768712168  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 68.0           |
| Packaging single depth (cm)           | 68.0           |
| DUN14 (outer)                         | 05025768712168 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 14.0           |
| Packaging outer width (cm)            | 68.0           |
| Packaging outer depth (cm)            | 68.0           |

### Safety data

|                                  |       |
|----------------------------------|-------|
| Optimal operating condition (°C) | 10-25 |
|----------------------------------|-------|

## PHOTOMETRY

Colossal 600 Prismatic  
COLOSSAL 600mm 840 PRISM DIR+HAL WHITE EM  
2071216



|     |      |                |       |              |
|-----|------|----------------|-------|--------------|
| 0.5 | 1.07 | E(0°)<br>E(C0) | 47.0° | 7333<br>1183 |
| 1.0 | 2.14 | E(0°)<br>E(C0) | 47.0° | 1833<br>291  |
| 1.5 | 3.22 | E(0°)<br>E(C0) | 47.0° | 815<br>129   |
| 2.0 | 4.29 | E(0°)<br>E(C0) | 47.0° | 488<br>73    |
| 2.5 | 5.36 | E(0°)<br>E(C0) | 47.0° | 290<br>47    |
| 3.0 | 6.43 | E(0°)<br>E(C0) | 47.0° | 204<br>32    |

Distance [m]      Cone diameter [m]      Illuminance [lx]  
C0 - C180 (Half beam angle: 94.0°)

TECHNICAL DRAWINGS

