

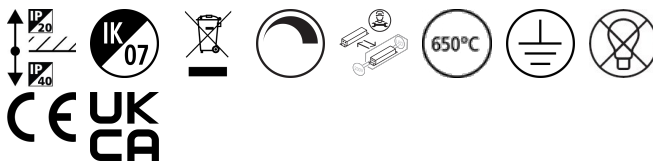
# Colossal 1200 Prismatic

COLOSSAL 1200mm 840 PRISM DIR WHITE SSC  
2071296



## Product features

- 1200mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct light distribution, 16510lm luminous flux, 117.5W system power, 141lm/W luminaire efficacy. Sylsmart Standalone enabled. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40/IP20, IK03. 350mA drive current. UGR 19. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.



## PRODUCT OVERVIEW

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Product name                    | COLOSSAL 1200mm 840 PRISM DIR WHITE SSC |
| Technology                      | LED (3 SDCM)                            |
| Cap/Base                        | N/A                                     |
| Housing                         | Aluminium                               |
| Mount                           | Ceiling surface mounting                |
| General application             | Hospitality, Office                     |
| ETIM Class                      | EC002892                                |
| Warranty                        | 5 years                                 |
| Fixture luminous flux (lm)      | 16510                                   |
| Luminaire efficacy (lm/W)       | 141                                     |
| 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)     | 117.5                                   |
| Electrical protection           | Class I                                 |
| Control gear type               | LED driver constant current             |
| Dimmable                        | Yes                                     |
| Dimming method                  | SylSmart SSC                            |
| LED Flickering Rate             | Ultra low (5% or less)                  |
| Housing colour                  | RAL 9016 - Traffic white / Bezel        |
| IP rating                       | IP40/20                                 |
| IK rating                       | IK03                                    |
| Product EAN number              | 5025768712960                           |

## DATA TABLE

### General data

|              |                                         |
|--------------|-----------------------------------------|
| Product name | COLOSSAL 1200mm 840 PRISM DIR WHITE SSC |
|--------------|-----------------------------------------|

## Colossal 1200 Prismatic

COLOSSAL 1200mm 840 PRISM DIR WHITE SSC  
2071296

|                                  |                          |
|----------------------------------|--------------------------|
| Technology                       | LED (3 SDCM)             |
| Cap/Base                         | N/A                      |
| Housing                          | Aluminium                |
| Mount                            | Ceiling surface mounting |
| General application              | Hospitality, Office      |
| Operating temperature range (°C) | 5°C...+25°C              |
| ETIM Class                       | EC002892                 |
| Warranty                         | 5 years                  |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 16510         |
| Luminaire efficacy (lm/W)       | 141           |
| 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           |

### Electrical data

|                                                                |                                |
|----------------------------------------------------------------|--------------------------------|
| Total power consumption (W)                                    | 117.5                          |
| Current (A)                                                    | 350                            |
| Mains voltage (V)                                              | 220-240V                       |
| Lamp power factor                                              | 0.95                           |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 9                              |
| Electrical protection                                          | Class I                        |
| Control gear required                                          | No                             |
| Control gear type                                              | LED driver constant current    |
| Transformer required                                           | No                             |
| Dimmable                                                       | Yes                            |
| Dimming method                                                 | SylSmart SSC                   |
| Drive current (mA)                                             | 350                            |
| Inrush Current (A)                                             | 23                             |
| Inrush Duration (µs)                                           | 174                            |
| Glow Wire Test (°C)                                            | 650                            |
| Energy Efficiency Class (A->G) of contained light source       | B, B(more than 1 Light Source) |
| Nominal Frequency (Hz)                                         | 50/60Hz                        |
| LED Flickering Rate                                            | Ultra low (5% or less)         |
| Max. Luminaires per 10A C Breaker                              | 18                             |
| Max. Luminaires per 13A C Breaker                              | 26                             |
| Max. Luminaires per 16A C Breaker                              | 28                             |
| Max. Luminaires per 20A C Breaker                              | 34                             |
| Max. Luminaires per 10A B Breaker                              | 9                              |
| Max. Luminaires per 13A B Breaker                              | 13                             |
| Max. Luminaires per 16A B Breaker                              | 14                             |
| Max. Luminaires per 20A B Breaker                              | 17                             |

## Colossal 1200 Prismatic

COLOSSAL 1200mm 840 PRISM DIR WHITE SSC  
2071296

### 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) | 1168                             |
| Weight (kg)                   | 23.0                             |

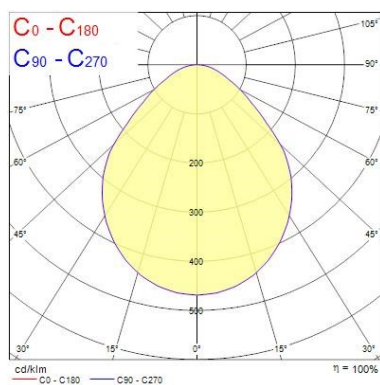
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768712960  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 123.0          |
| Packaging single depth (cm)           | 123.0          |
| DUN14 (outer)                         | 05025768712960 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 14.0           |
| Packaging outer width (cm)            | 123.0          |
| Packaging outer depth (cm)            | 123.0          |

### Safety data

|                                  |      |
|----------------------------------|------|
| Optimal operating condition (°C) | 5-25 |
|----------------------------------|------|

## PHOTOMETRY



|     |      |                |               |
|-----|------|----------------|---------------|
| 0.5 | 1.04 | E(0°)<br>E(C0) | 30960<br>5145 |
| 1.0 | 2.09 | E(0°)<br>E(C0) | 7740<br>1286  |
| 1.5 | 3.13 | E(0°)<br>E(C0) | 3440<br>572   |
| 2.0 | 4.17 | E(0°)<br>E(C0) | 1935<br>322   |
| 2.5 | 5.21 | E(0°)<br>E(C0) | 1238<br>206   |
| 3.0 | 6.26 | E(0°)<br>E(C0) | 860<br>142    |

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 92.4°) Illuminance [lx]

## Colossal 1200 Prismatic

*COLOSSAL 1200mm 840 PRISM DIR WHITE SSC*  
2071296

### TECHNICAL DRAWINGS

---

