

# Colossal 900 Prismatic

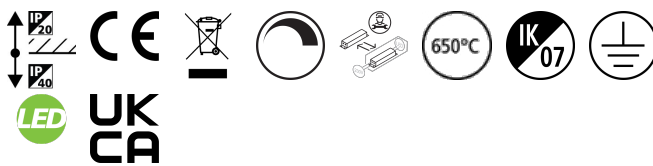
COLOSSAL 900mm 830 PRISM DIR WHITE SSC

2071240



## Product features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct light distribution, 7785lm luminous flux, 58.7W system power, 133lm/W luminaire efficacy. Sylsmart Standalone enabled. Colour rendering index Ra >80, 3000K Warm 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 900mm 830 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)      | 7785                                   |
| Luminaire efficacy (lm/W)       | 133                                    |
| Colour temperature (K)          | 3000                                   |
| Colour Code                     | 830                                    |
| Light colour                    | Warm White                             |
| CRI (Ra)                        | 80                                     |
| Colour Variation Initial (SDCM) | SDCM3                                  |
| Glare control                   | < 19                                   |
| Photobiological Risk Group      | RG0                                    |
| Total power consumption (W)     | 58.7                                   |
| 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                       | IK07                                   |
| Product EAN number              | 5025768712403                          |

## DATA TABLE

### General data

|              |                                        |
|--------------|----------------------------------------|
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|--------------|----------------------------------------|

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|                                  |                          |
|----------------------------------|--------------------------|
| 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)      | 7785       |
| Luminaire efficacy (lm/W)       | 133        |
| Colour temperature (K)          | 3000       |
| Colour Code                     | 830        |
| Light colour                    | Warm 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)                                    | 58.7                        |
| Current (A)                                                    | 350                         |
| Mains voltage (V)                                              | 220-240V                    |
| Lamp power factor                                              | 0.99                        |
| 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                           |
| 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                          |

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### 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) | 888                              |
| Weight (kg)                   | 16.6                             |

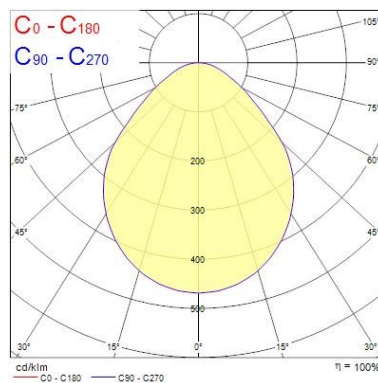
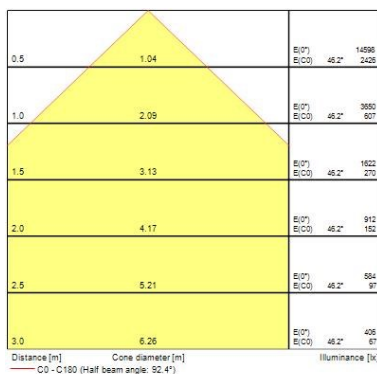
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768712403  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 96.0           |
| Packaging single depth (cm)           | 96.0           |
| DUN14 (outer)                         | 05025768712403 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 14.0           |
| Packaging outer width (cm)            | 96.0           |
| Packaging outer depth (cm)            | 96.0           |

### Safety data

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

## PHOTOMETRY



## Colossal 900 Prismatic

*COLOSSAL 900mm 830 PRISM DIR WHITE SSC*

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### TECHNICAL DRAWINGS

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