

## COLOSSAL 900mm 830 PRISM DIR WHITE SSC 2071240



### 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                               |
| Fixture luminous flux (lm)      | 7785                                   |
| Luminaire efficacy (lm/W)       | 133                                    |
| Colour temperature (K)          | 3000                                   |
| Light colour                    | Warm White                             |
| CRI (Ra)                        | 80                                     |
| Colour Variation Initial (SDCM) | 3                                      |
| 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                                    |
| LED Flickering Rate             | Ultra low (5% or less)                 |
| Housing colour                  | RAL 9016 - Traffic white / Bezel       |

## COLOSSAL 900mm 830 PRISM DIR WHITE SSC 2071240

|                    |               |
|--------------------|---------------|
| IP rating          | IP40/20       |
| IK rating          | IK07          |
| Product EAN number | 5025768712403 |
| Warranty           | 5 years       |
| Colour Code        | 830           |
| Dimming method     | SylSmart SSC  |

### Data table

#### GENERAL DATA

|                                  |                                        |
|----------------------------------|----------------------------------------|
| 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                    |
| 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) | 3          |
| Distribution type               | Symmetric  |
| Glare control                   | < 19       |
| Photobiological Risk Group      | RG0        |

#### ELECTRICAL DATA

|                             |      |
|-----------------------------|------|
| Total power consumption (W) | 58.7 |
|-----------------------------|------|

# Concord

## COLOSSAL 900mm 830 PRISM DIR WHITE SSC 2071240

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

### LIFETIME DATA

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

### PHYSICAL DATA

## COLOSSAL 900mm 830 PRISM DIR WHITE SSC 2071240

|                               |                                  |
|-------------------------------|----------------------------------|
| 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 |
| Special purpose lamp                | No   |
| Dry applications use only           | No   |
| Suitable for household illumination | No   |