

Colossal 900 Prismatic

COLOSSAL 900mm 940 PRISM DIR+HAL WHITE DALI EM

2071278



Product features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct/indirect (halo) light distribution, 7055lm luminous flux, 60W system power, 118lm/W luminaire efficacy. DALI dimmable. 3 hours integrated emergency. Colour rendering index Ra >90, 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 900mm 940 PRISM DIR+HAL WHITE DALI 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)      | 7055                                           |
| Luminaire efficacy (lm/W)       | 119                                            |
| Colour temperature (K)          | 4000                                           |
| Colour Code                     | 940                                            |
| Light colour                    | Neutral White                                  |
| CRI (Ra)                        | 90                                             |
| Colour Variation Initial (SDCM) | SDCM3                                          |
| Glare control                   | < 18                                           |
| Photobiological Risk Group      | RG0                                            |
| Total power consumption (W)     | 59.6                                           |
| Electrical protection           | Class I                                        |
| Control gear type               | LED driver constant current                    |
| Dimmable                        | Yes                                            |
| Dimming method                  | DALI                                           |
| 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              | 5025768712786                                  |

DATA TABLE

|              |                                                |
|--------------|------------------------------------------------|
| General data |                                                |
| Product name | COLOSSAL 900mm 940 PRISM DIR+HAL WHITE DALI EM |

## Colossal 900 Prismatic

*COLOSSAL 900mm 940 PRISM DIR+HAL WHITE DALI EM*  
2071278

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

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 7055          |
| Luminaire efficacy (lm/W)       | 119           |
| Colour temperature (K)          | 4000          |
| Colour Code                     | 940           |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 90            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Distribution type               | Symmetric     |
| Glare control                   | < 18          |
| Photobiological Risk Group      | RG0           |
| Emergency duration (h)          | 3             |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 59.6                        |
| Current (A)                                                    | 350                         |
| Primary Supply/Product voltage - min (V)                       | 220                         |
| Primary Supply/Product voltage - max (V)                       | 240                         |
| 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 |
| Dimmable                                                       | Yes                         |
| Dimming method                                                 | DALI                        |
| 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       | C                           |
| Nominal Frequency (Hz)                                         | 50/60Hz                     |
| LED Flickering Rate                                            | Ultra low (5% or less)      |
| Max. products per 10A C Breaker                                | 18                          |
| Max. products per 13A C Breaker                                | 26                          |
| Max. products per 16A C Breaker                                | 28                          |
| Max. products per 20A C Breaker                                | 34                          |
| Max. products per 10A B Breaker                                | 9                           |
| Max. products per 13A B Breaker                                | 13                          |

## Colossal 900 Prismatic

*COLOSSAL 900mm 940 PRISM DIR+HAL WHITE DALI EM*  
2071278

|                                                 |     |
|-------------------------------------------------|-----|
| Max. products per 16A B Breaker                 | 14  |
| Max. products per 20A B Breaker                 | 17  |
| Connectable conductor cross section - Min (mm²) | 1.5 |
| 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) | 888                              |
| Weight (kg)                   | 17.0                             |

### Packaging

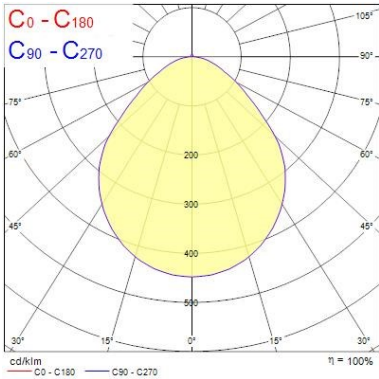
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768712786  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 96.0           |
| Packaging single depth (cm)           | 96.0           |
| DUN14 (outer)                         | 05025768712786 |
| 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 940 PRISM DIR+HAL WHITE DALI EM  
2071278



|     |      |                |                        |
|-----|------|----------------|------------------------|
| 0.5 | 1.07 | E(0°)<br>E(C0) | 12648<br>47.0°<br>2007 |
| 1.0 | 2.14 | E(0°)<br>E(C0) | 3162<br>502            |
| 1.5 | 3.22 | E(0°)<br>E(C0) | 1405<br>223            |
| 2.0 | 4.29 | E(0°)<br>E(C0) | 791<br>135             |
| 2.5 | 5.36 | E(0°)<br>E(C0) | 506<br>80              |
| 3.0 | 6.43 | E(0°)<br>E(C0) | 351<br>56              |

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

TECHNICAL DRAWINGS

