



### Features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct light distribution, 8170lm luminous flux, 60W system power, 136lm/W luminaire efficacy. DALI dimmable. 3 hours integrated emergency. 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 900mm 840 PRISM DIR WHITE DALI EM |
| 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)      | 8170                                       |
| Luminaire efficacy (lm/W)       | 137                                        |
| Colour temperature (K)          | 4000                                       |
| Light colour                    | Neutral White                              |
| CRI (Ra)                        | 80                                         |
| Colour Variation Initial (SDCM) | 3                                          |
| Glare control                   | < 19                                       |
| Photobiological Risk Group      | RG0                                        |
| Total power consumption (W)     | 59.6                                       |
| Electrical protection           | Class I                                    |
| Control gear type               | LED driver constant current                |
| Dimmable                        | Yes                                        |
| LED Flickering Rate             | Ultra low (5% or less)                     |

## COLOSSAL 900mm 840 PRISM DIR WHITE DALI EM 2071246

|                    |                                  |
|--------------------|----------------------------------|
| Housing colour     | RAL 9016 - Traffic white / Bezel |
| IP rating          | IP40/20                          |
| IK rating          | IK07                             |
| Product EAN number | 5025768712465                    |
| Warranty           | 5 years                          |
| Colour Code        | 840                              |
| Dimming method     | DALI                             |

### Data table

#### GENERAL DATA

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| Product name                     | COLOSSAL 900mm 840 PRISM DIR WHITE DALI EM |
| 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)      | 8170          |
| Luminaire efficacy (lm/W)       | 137           |
| Colour temperature (K)          | 4000          |
| Colour Code                     | 840           |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | 3             |
| Distribution type               | Symmetric     |
| Glare control                   | < 19          |
| Photobiological Risk Group      | RG0           |
| Emergency duration (h)          | 3             |

### ELECTRICAL DATA

|                                                                       |                             |
|-----------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                           | 59.6                        |
| 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) $\leq$ 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                                                        | DALI                        |
| Drive current (mA)                                                    | 350                         |
| Inrush Current (A)                                                    | 23                          |
| Inrush Duration ( $\mu$ s)                                            | 174                         |
| Glow Wire Test ( $^{\circ}$ 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

|                               |                                  |
|-------------------------------|----------------------------------|
| 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                    | 5025768712465  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 96.0           |
| Packaging single depth (cm)           | 96.0           |
| DUN14 (outer)                         | 05025768712465 |
| 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   |