

# Colossal 400 OPAL

## COLOSSAL 400mm 940 OPAL DIR WHITE SSC

### 2071125



#### Product features

- 400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 2200lm luminous flux, 20.5W system power, 107lm/W luminaire efficacy. Sylsmart Standalone enabled. Colour rendering index Ra >90, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 450mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.



#### PRODUCT OVERVIEW

|                                 |                                       |
|---------------------------------|---------------------------------------|
| Product name                    | COLOSSAL 400mm 940 OPAL DIR WHITE SSC |
| Technology                      | LED (3 SDCM)                          |
| Cap/Base                        | N/A                                   |
| Housing                         | Aluminium                             |
| Mount                           | Ceiling surface mounting, Suspended   |
| General application             | Hospitality, Office                   |
| ETIM Class                      | EC002892                              |
| Warranty                        | 5 years                               |
| Fixture luminous flux (lm)      | 2200                                  |
| Luminaire efficacy (lm/W)       | 107                                   |
| Colour temperature (K)          | 4000                                  |
| Colour Code                     | 940                                   |
| Light colour                    | Neutral White                         |
| CRI (Ra)                        | 90                                    |
| Colour Variation Initial (SDCM) | SDCM3                                 |
| Glare control                   | < 22                                  |
| Photobiological Risk Group      | RG0                                   |
| Total power consumption (W)     | 20.5                                  |
| 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              | 5025768711253                         |

#### 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, Suspended |
| General application                     | Hospitality, Office                 |
| Operating temperature range (°C)        | 10°C...+25°C                        |
| Performance ambient temperature Tq (°C) | 25                                  |
| ETIM Class                              | EC002892                            |
| Warranty                                | 5 years                             |

### Optical data

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 2200          |
| Luminaire efficacy (lm/W)       | 107           |
| Colour temperature (K)          | 4000          |
| Colour Code                     | 940           |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 90            |
| Colour Variation Initial (SDCM) | SDCM3         |
| Distribution type               | Symmetric     |
| Glare control                   | < 22          |
| Photobiological Risk Group      | RG0           |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 20.5                        |
| Mains voltage (V)                                              | 220-240V                    |
| Lamp power factor                                              | 0.95                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 10                          |
| 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)                                             | 450                         |
| Inrush Current (A)                                             | 20                          |
| Inrush Duration (µs)                                           | 25                          |
| 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. Luminaires per 10A C Breaker                              | 57                          |
| Max. Luminaires per 13A C Breaker                              | 71                          |
| Max. Luminaires per 16A C Breaker                              | 93                          |
| Max. Luminaires per 20A C Breaker                              | 114                         |
| Max. Luminaires per 10A B Breaker                              | 35                          |
| Max. Luminaires per 13A B Breaker                              | 45                          |
| Max. Luminaires per 16A B Breaker                              | 55                          |

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|                                   |    |
|-----------------------------------|----|
| Max. Luminaires per 20A B Breaker | 68 |
|-----------------------------------|----|

### 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               | Opal                             |
| Diffuser material             | PC Polycarbonate                 |
| Nominal Product Height (mm)   | 93                               |
| Nominal Product Diameter (mm) | 400                              |
| Weight (kg)                   | 6.5                              |

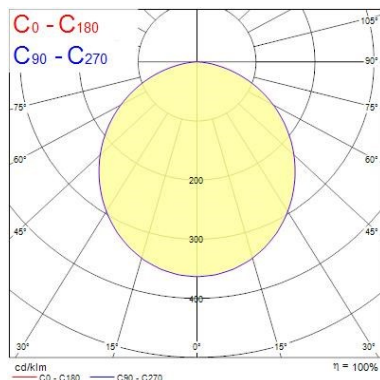
### Packaging

|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768711253  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 47.0           |
| Packaging single depth (cm)           | 47.0           |
| DUN14 (outer)                         | 05025768711253 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 14.0           |
| Packaging outer width (cm)            | 47.0           |
| Packaging outer depth (cm)            | 47.0           |

### Safety data

|                                  |       |
|----------------------------------|-------|
| Optimal operating condition (°C) | 10-25 |
|----------------------------------|-------|

## PHOTOMETRY



|     |      |                |               |
|-----|------|----------------|---------------|
| 0.5 | 1.42 | E(0°)<br>E(C0) | 3197<br>54.8° |
| 1.0 | 2.84 | E(0°)<br>E(C0) | 799<br>54.8°  |
| 1.5 | 4.25 | E(0°)<br>E(C0) | 388<br>54.8°  |
| 2.0 | 5.67 | E(0°)<br>E(C0) | 200<br>54.8°  |
| 2.5 | 7.09 | E(0°)<br>E(C0) | 130<br>54.8°  |
| 3.0 | 8.51 | E(0°)<br>E(C0) | 89<br>54.8°   |

Distance [m] Cone diameter [m]  
C0 - C180 (Half beam angle: 106.6°) Illuminance [lx]

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### TECHNICAL DRAWINGS

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