

Colossal 600 OPAL

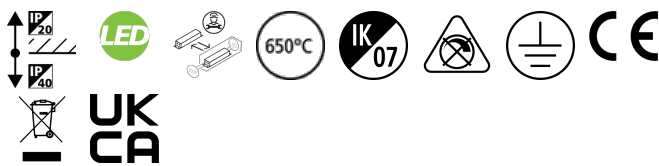
COLOSSAL 600mm 830 OPAL DIR+HAL WHITE

2071197



Product features

- 600mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct/indirect (halo) light distribution, 5190lm luminuous flux, 40.6W system power, 128lm/W luminiaire efficacy. Constant current driver. Colour rendering index Ra >80, 3000K Warm 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 600mm 830 OPAL DIR+HAL WHITE |
| 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)      | 5190                                  |
| Luminous flux (lm)              | 5190                                  |
| Luminaire efficacy (lm/W)       | 128                                   |
| Colour temperature (K)          | 3000                                  |
| Colour Code                     | 830                                   |
| Light colour                    | Warm White                            |
| CRI (Ra)                        | 80                                    |
| Colour Variation Initial (SDCM) | SDCM3                                 |
| Glare control                   | < 22                                  |
| Photobiological Risk Group      | RG0                                   |
| Total power consumption (W)     | 40.6                                  |
| Electrical protection           | Class I                               |
| Control gear type               | LED driver constant current           |
| Dimmable                        | No                                    |
| Dimming method                  | N/A                                   |
| 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              | 5025768711970                         |

DATA TABLE

## Colossal 600 OPAL

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### General data

|                                  |                                       |
|----------------------------------|---------------------------------------|
| Product name                     | COLOSSAL 600mm 830 OPAL DIR+HAL WHITE |
| Technology                       | LED (3 SDCM)                          |
| Cap/Base                         | N/A                                   |
| Housing                          | Aluminium                             |
| Mount                            | Suspended                             |
| General application              | Hospitality, Office                   |
| Operating temperature range (°C) | 10°C...+25°C                          |
| ETIM Class                       | EC002892                              |
| Warranty                         | 5 years                               |

### Optical data

|                                 |            |
|---------------------------------|------------|
| Fixture luminous flux (lm)      | 5190       |
| Luminous flux (lm)              | 5190       |
| Luminaire efficacy (lm/W)       | 128        |
| Colour temperature (K)          | 3000       |
| Colour Code                     | 830        |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM3      |
| Distribution type               | Symmetric  |
| Glare control                   | < 22       |
| Photobiological Risk Group      | RG0        |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 40.6                        |
| Primary Supply/Product voltage - min (V)                       | 220                         |
| Primary Supply/Product voltage - max (V)                       | 240                         |
| Lamp power factor                                              | 0.95                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) xx.x % | 20                          |
| Electrical protection                                          | Class I                     |
| Control gear required                                          | No                          |
| Control gear type                                              | LED driver constant current |
| Dimmable                                                       | No                          |
| Dimming method                                                 | N/A                         |
| Drive current (mA)                                             | 450                         |
| Inrush Current (A)                                             | 15                          |
| Inrush Duration (µs)                                           | 250                         |
| 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. products per 10A C Breaker                                | 40                          |
| Max. products per 13A C Breaker                                | 51                          |
| Max. products per 16A C Breaker                                | 63                          |
| Max. products per 20A C Breaker                                | 80                          |
| Max. products per 10A B Breaker                                | 24                          |

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|                                                              |     |
|--------------------------------------------------------------|-----|
| Max. products per 13A B Breaker                              | 31  |
| Max. products per 16A B Breaker                              | 38  |
| Max. products per 20A B Breaker                              | 48  |
| Connectable conductor cross section - Max (mm <sup>2</sup> ) | 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               | Opal                             |
| Diffuser material             | PC Polycarbonate                 |
| Nominal Product Height (mm)   | 93                               |
| Nominal Product Diameter (mm) | 604                              |
| Weight (kg)                   | 9.0                              |

### Packaging

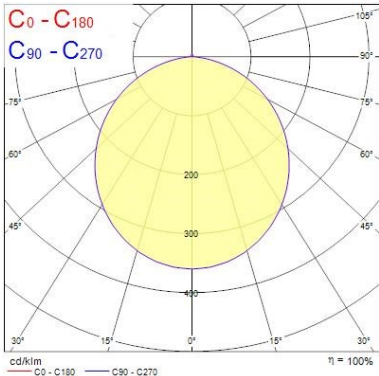
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768711970  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 68.0           |
| Packaging single depth (cm)           | 68.0           |
| DUN14 (outer)                         | 05025768711970 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 14.0           |
| Packaging outer width (cm)            | 68.0           |
| Packaging outer depth (cm)            | 68.0           |

### Safety data

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

## PHOTOMETRY

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|     |      |                |       |             |
|-----|------|----------------|-------|-------------|
| 0.5 | 1.41 | E(0°)<br>E(C0) | 54.7° | 7474<br>723 |
| 1.0 | 2.82 | E(0°)<br>E(C0) | 54.7° | 1969<br>151 |
| 1.5 | 4.24 | E(0°)<br>E(C0) | 54.7° | 830<br>80   |
| 2.0 | 5.65 | E(0°)<br>E(C0) | 54.7° | 467<br>45   |
| 2.5 | 7.06 | E(0°)<br>E(C0) | 54.7° | 299<br>29   |
| 3.0 | 8.47 | E(0°)<br>E(C0) | 54.7° | 208<br>20   |

Distance [m]      Cone diameter [m]      Illuminance [lx]  
C0 - C180 (Half beam angle: 105.4°)

TECHNICAL DRAWINGS

