

# Colossal 400 OPAL

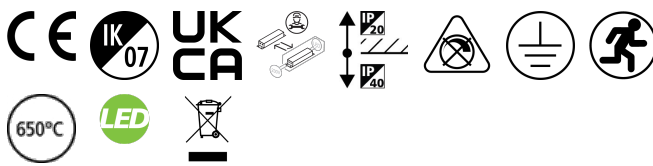
COLOSSAL 400mm 830 OPAL DIR+HAL WHITE EM

2071132



## Product features

- 400mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct/indirect (halo) light distribution, 2550lm luminous flux, 21.2W system power, 120lm/W luminaire efficacy. Constant current driver. 3 hours integrated emergency. Colour rendering index Ra >80, 3000K Warm White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40, IK03. 450mA drive current. Electrical protection Class I, 220-240V. Reported lifetime 66k hours L90B10.



## PRODUCT OVERVIEW

|                                 |                                          |
|---------------------------------|------------------------------------------|
| Product name                    | COLOSSAL 400mm 830 OPAL DIR+HAL WHITE 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)      | 2550                                     |
| Luminaire efficacy (lm/W)       | 116                                      |
| Colour temperature (K)          | 3000                                     |
| Colour Code                     | 830                                      |
| Light colour                    | Warm White                               |
| CRI (Ra)                        | 80                                       |
| Colour Variation Initial (SDCM) | SDCM3                                    |
| Glare control                   | < 23                                     |
| Photobiological Risk Group      | RG0                                      |
| Total power consumption (W)     | 21.9                                     |
| 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                       | IK03                                     |
| Product EAN number              | 5025768711321                            |

## DATA TABLE

### General data

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

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|                                  |                     |
|----------------------------------|---------------------|
| 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)      | 2550       |
| Luminaire efficacy (lm/W)       | 116        |
| Colour temperature (K)          | 3000       |
| Colour Code                     | 830        |
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | SDCM3      |
| Distribution type               | Symmetric  |
| Glare control                   | < 23       |
| Photobiological Risk Group      | RG0        |
| Emergency duration (h)          | 3          |

### Electrical data

|                                                                |                             |
|----------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                    | 21.9                        |
| 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 % | 10                          |
| 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)                                             | 28                          |
| Inrush Duration (µs)                                           | 139                         |
| 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                                | 31                          |
| Max. products per 13A C Breaker                                | 41                          |
| Max. products per 16A C Breaker                                | 51                          |
| Max. products per 20A C Breaker                                | 70                          |
| Max. products per 10A B Breaker                                | 19                          |
| Max. products per 13A B Breaker                                | 25                          |
| Max. products per 16A B Breaker                                | 31                          |

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|                                                 |     |
|-------------------------------------------------|-----|
| Max. products per 20A B Breaker                 | 42  |
| 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               | Opal                             |
| Diffuser material             | PC Polycarbonate                 |
| Nominal Product Height (mm)   | 93                               |
| Nominal Product Diameter (mm) | 400                              |
| Weight (kg)                   | 6.8                              |

### Packaging

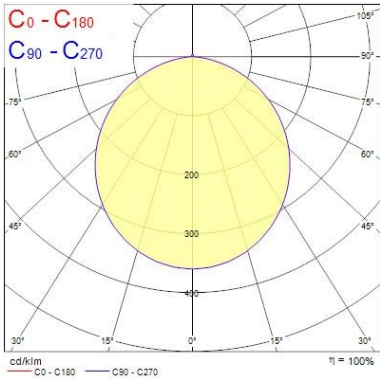
|                                       |                |
|---------------------------------------|----------------|
| Single packaging type                 | Carton         |
| Product EAN number                    | 5025768711321  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 47.0           |
| Packaging single depth (cm)           | 47.0           |
| DUN14 (outer)                         | 05025768711321 |
| 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

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TECHNICAL DRAWINGS

