

### Features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 10375lm luminuous flux, 78.5W system power, 132lm/W luminaire efficacy. DALI dimmable. 3 hours integrated emergency. Colour rendering index Ra >80, 3000K Warm White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40/IP20, IK03. 450mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

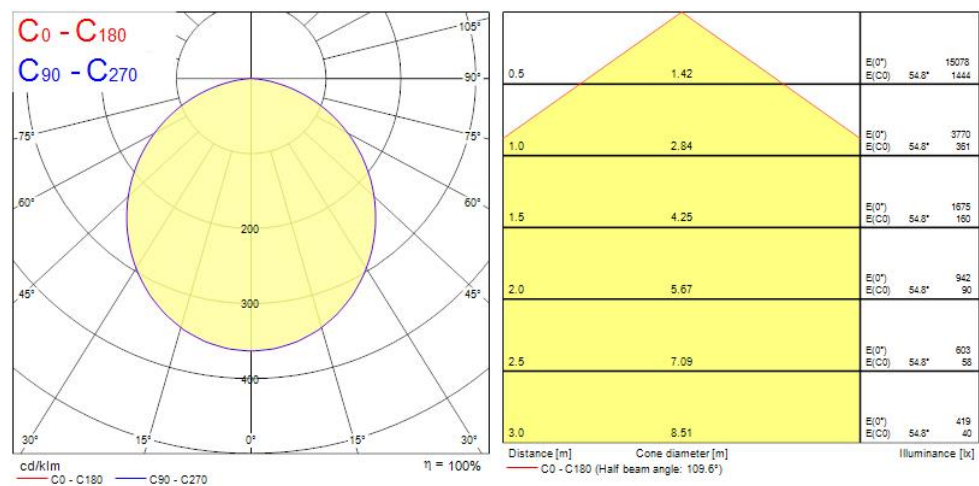
### Product Overview

|                                   |                                           |
|-----------------------------------|-------------------------------------------|
| Product name                      | COLOSSAL 900mm 830 OPAL 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)        | 10375                                     |
| Luminaire efficacy (lm/W)         | 134                                       |
| Correlated colour temperature (k) | 3000                                      |
| Light colour                      | Warm White                                |
| CRI (Ra)                          | 80                                        |
| Colour Variation Initial (SDCM)   | 3                                         |
| Glare control                     | < 22                                      |
| Photobiological Risk Group        | RG0                                       |
| Total power consumption (W)       | 77.7                                      |
| Electrical protection             | Class I                                   |
| Control gear type                 | LED driver constant current               |

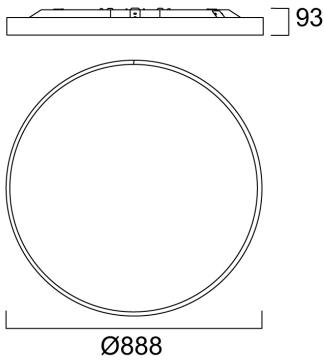
## COLOSSAL 900mm 830 OPAL DIR WHITE DALI EM 2071234

|                     |                        |
|---------------------|------------------------|
| Dimmable            | Yes                    |
| LED Flickering Rate | Ultra low (5% or less) |
| Housing colour      | RAL9016                |
| IP rating           | IP40/20                |
| IK rating           | IK07                   |
| Product EAN number  | 5025768712342          |
| Warranty            | 5 years                |
| Dimming method      | DALI                   |
| Colour Code         | 830                    |

### Photometry



Technical drawings



Data table

GENERAL DATA

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Product name                     | COLOSSAL 900mm 830 OPAL 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)        | 10375 |
| Luminaire efficacy (lm/W)         | 134   |
| Correlated colour temperature (k) | 3000  |
| Colour Code                       | 830   |

## COLOSSAL 900mm 830 OPAL DIR WHITE DALI EM 2071234

|                                 |            |
|---------------------------------|------------|
| Light colour                    | Warm White |
| CRI (Ra)                        | 80         |
| Colour Variation Initial (SDCM) | 3          |
| Distribution type               | Symmetric  |
| Glare control                   | < 22       |
| Photobiological Risk Group      | RG0        |
| Emergency duration (h)          | 3          |

### ELECTRICAL DATA

|                                                                       |                             |
|-----------------------------------------------------------------------|-----------------------------|
| Total power consumption (W)                                           | 77.7                        |
| Current (A)                                                           | 450                         |
| 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) $\leq$ xx.x % | 10                          |
| Electrical protection                                                 | Class I                     |
| Control gear required                                                 | No                          |
| Control gear type                                                     | LED driver constant current |
| Dimmable                                                              | Yes                         |
| Dimming method                                                        | DALI                        |
| Drive current (mA)                                                    | 450                         |
| Inrush Current (A)                                                    | 25                          |
| Inrush Duration ( $\mu$ s)                                            | 280                         |
| 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                                       | 24                          |
| Max. products per 13A C Breaker                                       | 31                          |
| Max. products per 16A C Breaker                                       | 40                          |
| Max. products per 20A C Breaker                                       | 49                          |
| Max. products per 10A B Breaker                                       | 13                          |
| Max. products per 16A B Breaker                                       | 24                          |
| Max. products per 20A B Breaker                                       | 30                          |

## COLOSSAL 900mm 830 OPAL DIR WHITE DALI EM 2071234

|                                                 |     |
|-------------------------------------------------|-----|
| 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                | RAL9016          |
| IP rating                     | IP40/20          |
| IK rating                     | IK07             |
| Diffuser finish               | Opal             |
| Diffuser material             | PC Polycarbonate |
| Nominal Product Height (mm)   | 93               |
| Nominal Product Diameter (mm) | 888              |
| Weight (kg)                   | 17.0             |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768712342  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 96.0           |
| Packaging single depth (cm)           | 96.0           |
| DUN14 (inner)                         | 05025768712342 |
| 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

|                     |     |
|---------------------|-----|
| Glow Wire Test (°C) | 650 |
|---------------------|-----|

# Concord

COLOSSAL 900mm 830 OPAL DIR WHITE DALI EM  
2071234

|                                     |      |
|-------------------------------------|------|
| Optimal operating condition (°C)    | 5-25 |
| Special purpose lamp                | No   |
| Dry applications use only           | No   |
| Suitable for household illumination | No   |