



### Features

- 900mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 10890lm luminous flux, 78.5W system power, 139lm/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. 450mA drive current. Electrical protection Class1, 220-240V. Reported lifetime 66k hours L90B10.

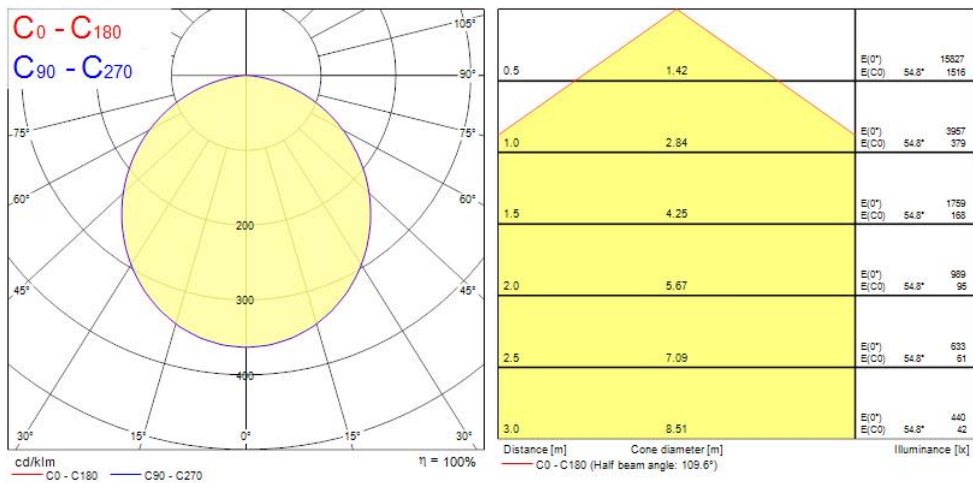
### Product Overview

|                                 |                                           |
|---------------------------------|-------------------------------------------|
| Product name                    | COLOSSAL 900mm 840 OPAL DIR WHITE DALI EM |
| Technology                      | LED (3 SDCM)                              |
| Cap/Base                        | N/A                                       |
| Housing                         | Aluminium                                 |
| Mount                           | Ceiling surface mounting                  |
| Fixture luminous flux (lm)      | 10890                                     |
| Luminaire efficacy (lm/W)       | 140                                       |
| Colour temperature (K)          | 4000                                      |
| Light colour                    | Neutral 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               |
| LED Flickering Rate             | Ultra low (5% or less)                    |
| Housing colour                  | RAL 9016 - Traffic white / Bezel          |

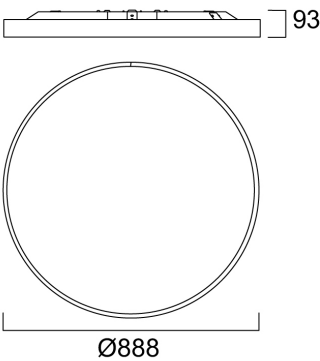
COLOSSAL 900mm 840 OPAL DIR WHITE DALI EM  
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|                    |               |
|--------------------|---------------|
| IP rating          | IP40/20       |
| IK rating          | IK07          |
| Product EAN number | 5025768712427 |
| Warranty           | 5 years       |
| Colour Code        | 840           |

Photometry



Technical drawings



### Data table

#### GENERAL DATA

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Product name                     | COLOSSAL 900mm 840 OPAL DIR WHITE DALI EM |
| Technology                       | LED (3 SDCM)                              |
| Cap/Base                         | N/A                                       |
| Housing                          | Aluminium                                 |
| Mount                            | Ceiling surface mounting                  |
| Operating temperature range (°C) | 5°C...+25°C                               |
| Warranty                         | 5 years                                   |

#### OPTICAL DATA

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 10890         |
| Luminaire efficacy (lm/W)       | 140           |
| Colour temperature (K)          | 4000          |
| Colour Code                     | 840           |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | 3             |
| 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                         |
| Lamp power factor                        | 0.95                        |
| Electrical protection                    | Class I                     |
| Control gear required                    | No                          |
| Control gear type                        | LED driver constant current |
| Drive current (mA)                       | 450                         |

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|                                                          |                        |
|----------------------------------------------------------|------------------------|
| Inrush Current (A)                                       | 25                     |
| Inrush Duration (µs)                                     | 280                    |
| 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                          | 24                     |
| Max. products per 20A B Breaker                          | 30                     |
| 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 Diameter (mm) | 888                              |
| Weight (kg)                   | 17.0                             |

### PACKAGING

|                             |                |
|-----------------------------|----------------|
| Single packaging type       | Carton         |
| Product EAN number          | 5025768712427  |
| Packaging single width (cm) | 96.0           |
| Packaging single depth (cm) | 96.0           |
| DUN14 (outer)               | 05025768712427 |

# Concord

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|                                      |      |
|--------------------------------------|------|
| Packaging outer length / height (cm) | 14.0 |
|--------------------------------------|------|

SAFETY DATA

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