

## COLOSSAL 400mm 940 OPAL DIR WHITE DALI 2071123



### 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, 20.7W system power, 106lm/W luminaire efficacy. DALI dimmable. 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 DALI |
| Technology                      | LED (3 SDCM)                           |
| Cap/Base                        | N/A                                    |
| Housing                         | Aluminium                              |
| Mount                           | Ceiling surface mounting, Suspended    |
| General application             | Hospitality, Office                    |
| ETIM Class                      | EC002892                               |
| Fixture luminous flux (lm)      | 2200                                   |
| Luminaire efficacy (lm/W)       | 106                                    |
| Colour temperature (K)          | 4000                                   |
| Light colour                    | Neutral White                          |
| CRI (Ra)                        | 90                                     |
| Colour Variation Initial (SDCM) | 3                                      |
| Glare control                   | < 22                                   |
| Photobiological Risk Group      | RG0                                    |
| Total power consumption (W)     | 20.7                                   |
| Electrical protection           | Class I                                |
| Control gear type               | LED driver constant current            |
| Dimmable                        | Yes                                    |
| LED Flickering Rate             | Ultra low (5% or less)                 |
| Housing colour                  | RAL 9016 - Traffic white / Bezel       |
| IP rating                       | IP40/20                                |

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|                    |               |
|--------------------|---------------|
| IK rating          | IK07          |
| Product EAN number | 5025768711239 |
| Warranty           | 5 years       |
| Colour Code        | 940           |
| Dimming method     | DALI-2        |

### Data table

#### GENERAL DATA

|                                  |                                        |
|----------------------------------|----------------------------------------|
| Product name                     | COLOSSAL 400mm 940 OPAL DIR WHITE DALI |
| 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                           |
| ETIM Class                       | EC002892                               |
| Warranty                         | 5 years                                |

#### OPTICAL DATA

|                                 |               |
|---------------------------------|---------------|
| Fixture luminous flux (lm)      | 2200          |
| Luminaire efficacy (lm/W)       | 106           |
| Colour temperature (K)          | 4000          |
| Colour Code                     | 940           |
| Light colour                    | Neutral White |
| CRI (Ra)                        | 90            |
| Colour Variation Initial (SDCM) | 3             |
| Distribution type               | Symmetric     |
| Glare control                   | < 22          |
| Photobiological Risk Group      | RG0           |

#### ELECTRICAL DATA

|                             |          |
|-----------------------------|----------|
| Total power consumption (W) | 20.7     |
| Mains voltage (V)           | 220-240V |

## COLOSSAL 400mm 940 OPAL DIR WHITE DALI 2071123

|                                                                       |                             |
|-----------------------------------------------------------------------|-----------------------------|
| 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 |
| Transformer required                                                  | No                          |
| Dimmable                                                              | Yes                         |
| Dimming method                                                        | DALI-2                      |
| Drive current (mA)                                                    | 450                         |
| Inrush Current (A)                                                    | 20                          |
| Inrush Duration ( $\mu$ s)                                            | 200                         |
| Glow Wire Test ( $^{\circ}$ 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                                     | 31                          |
| Max. Luminaires per 13A C Breaker                                     | 39                          |
| Max. Luminaires per 16A C Breaker                                     | 51                          |
| Max. Luminaires per 20A C Breaker                                     | 62                          |
| Max. Luminaires per 10A B Breaker                                     | 18                          |
| Max. Luminaires per 16A B Breaker                                     | 30                          |
| Max. Luminaires per 20A B Breaker                                     | 37                          |

### 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                             |

# Concord

## COLOSSAL 400mm 940 OPAL DIR WHITE DALI 2071123

|                               |                  |
|-------------------------------|------------------|
| 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                    | 5025768711239  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 47.0           |
| Packaging single depth (cm)           | 47.0           |
| DUN14 (outer)                         | 05025768711239 |
| 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 |
| Special purpose lamp                | No    |
| Dry applications use only           | No    |
| Suitable for household illumination | No    |