

COLOSSAL 600mm 830 OPAL DIR+HAL  
WHITE SSC

Item No: 2071202

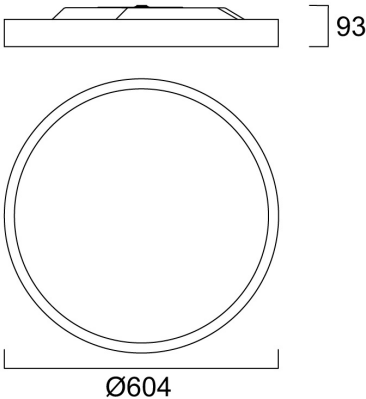
Concord



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, 40.1W system power, 129lm/W luminiaire efficacy. Sylsmart Standalone enabled. 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.

Technical Assets

Dimensions (mm)



Photometrics

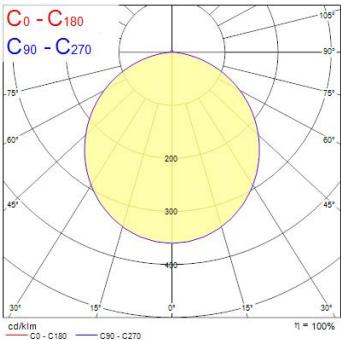
|     |      |                |       |             |
|-----|------|----------------|-------|-------------|
| 0.5 | 1.41 | E(0°)<br>E(C0) | 54.7° | 7474<br>723 |
| 1.0 | 2.82 | E(0°)<br>E(C0) | 54.7° | 1899<br>181 |
| 1.5 | 4.24 | E(0°)<br>E(C0) | 54.7° | 830<br>80   |
| 2.0 | 5.65 | E(0°)<br>E(C0) | 54.7° | 487<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° | 205<br>20   |

Distance [m]

Cone diameter [m]

Illuminance [lx]

— C0 - C180 (Half beam angle: 109.4°)



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General data

|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| Product name                     | COLOSSAL 600mm 830<br>OPAL DIR+HAL WHITE<br>SSC |
| 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)         | 129        |
| Correlated 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)                                      | 40.1                        |
| Primary Supply/Product voltage - min (V)                         | 220                         |
| Primary Supply/Product voltage - max (V)                         | 240                         |
| Lamp power factor                                                | 0.99                        |
| THD (at 230 V, 50 Hz, full load, at 100% dimming level) ≤ xx.x % | 4.7                         |
| Electrical protection                                            | Class I                     |
| Control gear required                                            | No                          |
| Control gear type                                                | LED driver constant current |
| Dimmable                                                         | Yes                         |
| Dimming method                                                   | SylSmart SSC                |
| Drive current (mA)                                               | 450                         |
| Inrush Current (A)                                               | 23                          |
| Inrush Duration (µs)                                             | 174                         |
| 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                                  | 21                          |
| Max. products per 13A C Breaker                                  | 28                          |
| Max. products per 16A C Breaker                                  | 35                          |
| Max. products per 20A C Breaker                                  | 45                          |
| Max. products per 10A B Breaker                                  | 13                          |
| Max. products per 13A B Breaker                                  | 17                          |
| Max. products per 16A B Breaker                                  | 21                          |
| Max. products per 20A B Breaker                                  | 27                          |
| Connectable conductor cross section - Max (mm²)                  | 2.5                         |

Lifetime data

|                  |        |
|------------------|--------|
| Lifespan L70 B50 | 170000 |
| Lifespan L80 B20 | 145000 |
| Lifespan L90 B10 | 66000  |

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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)                   | 9.4                              |

Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768712021  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 68.0           |
| Packaging single depth (cm)           | 68.0           |
| DUN14 (inner)                         | 05025768712021 |
| 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

|                                  |       |
|----------------------------------|-------|
| Glow Wire Test (°C)              | 650   |
| Optimal operating condition (°C) | 10-25 |