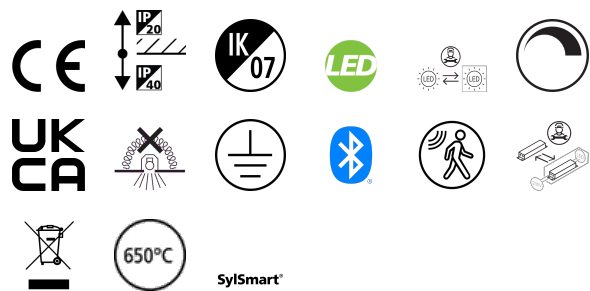


# Colossal 600mm 830 Opal Dir White SSA03

Item No: 2071400

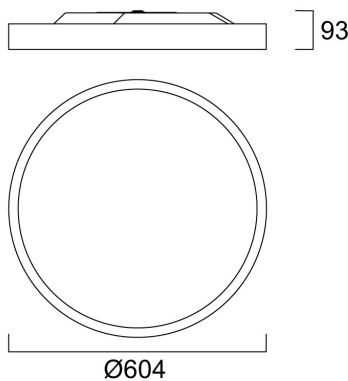
Concord



600mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with polycarbonate opal diffuser. Direct light distribution, 5075lm luminous flux, 39.7W system power, 128lm/W luminaire efficacy. Sylsmart Connected 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.

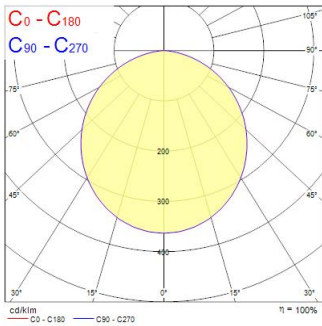
## Technical Assets

### Dimensions (mm)



### Photometrics

| Distance [m] | Cone diameter [m] | Beam angle [°] | Beam diameter [m] | Illuminance [lx] |
|--------------|-------------------|----------------|-------------------|------------------|
| 0.5          | 1.42              | 50°            | 1.42              | 1275             |
| 1.0          | 2.84              | 50°            | 2.84              | 319              |
| 1.5          | 4.25              | 50°            | 4.25              | 139              |
| 2.0          | 5.67              | 50°            | 5.67              | 79               |
| 2.5          | 7.09              | 50°            | 7.09              | 49               |
| 3.0          | 8.51              | 50°            | 8.51              | 33               |



# Colossal 600mm 830 Opal Dir White SSA03

Item No: 2071400

Concord

## General data

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| Product name                     | Colossal 600mm 830 Opal Dir White SSA03 |
| Technology                       | LED                                     |
| Cap/Base                         | N/A                                     |
| Housing                          | Aluminium                               |
| Mount                            | Ceiling surface mounting, Suspended     |
| Built in presence detector       | PIR                                     |
| General application              | Hospitality, Office                     |
| Operating temperature range (°C) | 10°C...+25°C                            |
| Virtual assistant compatibility  | N/A                                     |
| ETIM Class                       | EC002892                                |
| Warranty                         | 5 years                                 |

## Optical data

|                                   |            |
|-----------------------------------|------------|
| Fixture luminous flux (lm)        | 5075       |
| Luminaire efficacy (lm/W)         | 128        |
| 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)                                      | 39.7                        |
| Primary Supply/Product voltage - min (V)                         | 198.0                       |
| Primary Supply/Product voltage - max (V)                         | 264.0                       |
| 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                                                         | Yes                         |
| Dimming method                                                   | SylSmart Connected (SSA)    |
| Drive current (mA)                                               | 450                         |
| Inrush Current (A)                                               | 25                          |
| Inrush Duration (µs)                                             | 200                         |
| 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                                  | 25                          |
| Max. products per 16A C Breaker                                  | 40                          |
| Max. products per 20A C Breaker                                  | 25                          |
| Max. products per 10A B Breaker                                  | 15                          |
| Max. products per 16A B Breaker                                  | 24                          |
| Max. products per 20A B Breaker                                  | 37                          |
| Connectable conductor cross section - Max (mm²)                  | 2.5                         |

## Lifetime data

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

# Colossal 600mm 830 Opal Dir White SSA03

Item No: 2071400

Concord

## 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)                   | 9.5                              |

## Packaging

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768714001  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 68.0           |
| Packaging single depth (cm)           | 68.0           |
| DUN14 (inner)                         | 05025768714001 |
| 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 |