

# Concord

## COLOSSAL 1200mm 840 PRISM DIR+HAL WHITE SSC

2071320



### Features

- 1200mm diameter circular architectural luminaire, can be surface mounted or suspended. Powder coated aluminium housing (RAL9016) with PMMA prismatic diffuser. Direct/indirect (halo) light distribution, 16665lm luminous flux, 117.5W system power, 142lm/W luminaire efficacy. Sylsmart Standalone enabled. Colour rendering index Ra >80, 4000K Neutral White LED, chromaticity tolerance of 3-step MacAdam ellipse. IP40/IP20, IK03. 350mA drive current. UGR≤19. Electrical protection Class I, 220-240V. Reported lifetime 66k hours L90B10.

### Product Overview

|                                   |                                             |
|-----------------------------------|---------------------------------------------|
| Product name                      | COLOSSAL 1200mm 840 PRISM DIR+HAL WHITE SSC |
| Technology                        | LED (3 SDCM)                                |
| Cap/Base                          | N/A                                         |
| Housing                           | Aluminium                                   |
| Mount                             | Suspended                                   |
| General application               | Hospitality, Office                         |
| ETIM Class                        | EC002892                                    |
| Fixture luminous flux (lm)        | 16665                                       |
| Luminaire efficacy (lm/W)         | 142                                         |
| Correlated colour temperature (k) | 4000                                        |
| Light colour                      | Neutral White                               |
| CRI (Ra)                          | 80                                          |
| Colour Variation Initial (SDCM)   | 3                                           |
| Glare control                     | < 19                                        |
| Photobiological Risk Group        | RG0                                         |
| Total power consumption (W)       | 117.5                                       |
| Electrical protection             | Class I                                     |

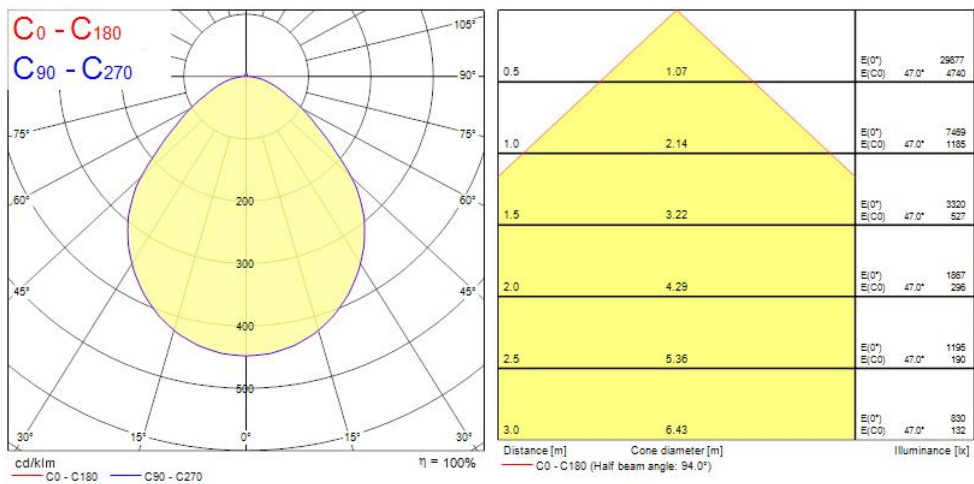
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|                     |                             |
|---------------------|-----------------------------|
| Control gear type   | LED driver constant current |
| Dimmable            | Yes                         |
| LED Flickering Rate | Ultra low (5% or less)      |
| Housing colour      | RAL9016                     |
| IP rating           | IP40/20                     |
| IK rating           | IK07                        |
| Product EAN number  | 5025768713202               |
| Warranty            | 5 years                     |
| Dimming method      | SylSmart SSC                |
| Colour Code         | 840                         |

### Photometry

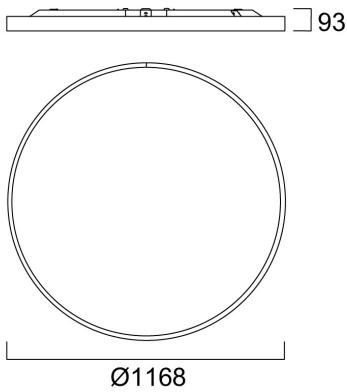


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#### Technical drawings



#### Data table

##### GENERAL DATA

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Product name                     | COLOSSAL 1200mm 840 PRISM DIR+HAL WHITE SSC |
| Technology                       | LED (3 SDCM)                                |
| Cap/Base                         | N/A                                         |
| Housing                          | Aluminium                                   |
| Mount                            | Suspended                                   |
| General application              | Hospitality, Office                         |
| Operating temperature range (°C) | 5°C...+25°C                                 |
| ETIM Class                       | EC002892                                    |
| Warranty                         | 5 years                                     |

##### OPTICAL DATA

|                                   |       |
|-----------------------------------|-------|
| Fixture luminous flux (lm)        | 16665 |
| Luminaire efficacy (lm/W)         | 142   |
| Correlated colour temperature (k) | 4000  |
| Colour Code                       | 840   |

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|                                 |               |
|---------------------------------|---------------|
| Light colour                    | Neutral White |
| CRI (Ra)                        | 80            |
| Colour Variation Initial (SDCM) | 3             |
| Distribution type               | Symmetric     |
| Glare control                   | < 19          |
| Photobiological Risk Group      | RG0           |

### ELECTRICAL DATA

|                                                                       |                                |
|-----------------------------------------------------------------------|--------------------------------|
| Total power consumption (W)                                           | 117.5                          |
| Current (A)                                                           | 350                            |
| 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 % | 9                              |
| Electrical protection                                                 | Class I                        |
| Control gear required                                                 | No                             |
| Control gear type                                                     | LED driver constant current    |
| Dimmable                                                              | Yes                            |
| Dimming method                                                        | SylSmart SSC                   |
| Drive current (mA)                                                    | 350                            |
| Inrush Current (A)                                                    | 23                             |
| Inrush Duration ( $\mu$ s)                                            | 174                            |
| Energy Efficiency Class (A->G) of contained light source              | B, B(more than 1 Light Source) |
| Nominal Frequency (Hz)                                                | 50/60Hz                        |
| LED Flickering Rate                                                   | Ultra low (5% or less)         |
| Max. products per 10A C Breaker                                       | 18                             |
| Max. products per 13A C Breaker                                       | 26                             |
| Max. products per 16A C Breaker                                       | 28                             |
| Max. products per 20A C Breaker                                       | 34                             |
| Max. products per 10A B Breaker                                       | 9                              |
| Max. products per 13A B Breaker                                       | 13                             |
| Max. products per 16A B Breaker                                       | 14                             |
| Max. products per 20A B Breaker                                       | 17                             |

## COLOSSAL 1200mm 840 PRISM DIR+HAL WHITE SSC 2071320

|                                                 |     |
|-------------------------------------------------|-----|
| 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               | Prismatic    |
| Diffuser material             | PMMA Acrylic |
| Nominal Product Height (mm)   | 93           |
| Nominal Product Diameter (mm) | 1168         |
| Weight (kg)                   | 23.0         |

### PACKAGING

|                                       |                |
|---------------------------------------|----------------|
| Product EAN number                    | 5025768713202  |
| Packaging single length / height (cm) | 14.0           |
| Packaging single width (cm)           | 123.0          |
| Packaging single depth (cm)           | 123.0          |
| DUN14 (inner)                         | 05025768713202 |
| Units per outer package               | 1              |
| Packaging outer length / height (cm)  | 14.0           |
| Packaging outer width (cm)            | 123.0          |
| Packaging outer depth (cm)            | 123.0          |

### SAFETY DATA

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

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