



# Celino LED BCS680 C

## BCS680 C LED24/840 PSD W7L120 O-PC

LED Module 2400 lm, 840 neutral white, Power supply unit with DALI interface, Opal diffuser in polycarbonate cover

Celino is a complete luminaire range that reflects the market trend towards miniaturization and architectural integration, while delivering a significant advance in optical performance. Celino features Philips' aluminum micro optic with 3D lamellae, which ensures optimum visual comfort and efficiency in compliance with the latest office-lighting norm (EN 12464-1). Made of natural anodized aluminum, the housing of Celino is a mere 71 mm wide and has die-cast-aluminum end caps. The design allows multiple luminaires to be connected in a line arrangement. Celino is available as a full range – suspended, surface-mounted, free-standing and wall-mounted, with a choice of TL5, TL5 Eco or LED light sources – for maximum freedom in application.

### Product data

| General Information      |                                   | Light Technical                    |                                      |
|--------------------------|-----------------------------------|------------------------------------|--------------------------------------|
| Lamp family code         | LED24 [LED Module 2400 lm]        | Luminous Flux                      | 2,100 lm                             |
| Light source replaceable | No                                | Correlated Color Temperature (Nom) | 4000 K                               |
| Number of gear units     | 1 unit                            | Luminous Efficacy (rated) (Nom)    | 71 lm/W                              |
| Driver included          | Yes                               | Color rendering index (CRI)        | >80                                  |
| CE mark                  | -                                 | Beam angle of light source         | 120 degree(s)                        |
| Warranty period          | 3 years                           | Light source color                 | 840 neutral white                    |
| Flammability mark        | -                                 | Optic type                         | Wide beam                            |
| ENEC mark                | -                                 | Optical cover type                 | Opal diffuser in polycarbonate cover |
| Glow-wire test           | Temperature 650 °C, duration 30 s | Luminaire light beam spread        | 110° x 110°                          |
| EU RoHS compliant        | No                                | Operating and Electrical           |                                      |
|                          |                                   | Input Voltage                      | 220-240 V                            |

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|  |                    |
|--|--------------------|
| Line Frequency                           | 50 to 60 Hz        |
| Inrush current                           | 22 A               |
| Inrush time                              | 0.275 ms           |
| Power Consumption                        | 30 W               |
| Power Factor (Fraction)                  | 0.9                |
| Connection                               | External connector |
| Cable                                    | -                  |
| Number of products on MCB of 16 A type B | 24                 |

Temperature

|                           |               |
|---------------------------|---------------|
| Ambient temperature range | -20 to +40 °C |
|---------------------------|---------------|

Controls and Dimming

|                               |                                       |
|-------------------------------|---------------------------------------|
| Dimmable                      | Yes                                   |
| Driver/power unit/transformer | Power supply unit with DALI interface |
| Control interface             | DALI                                  |
| Constant light output         | No                                    |

Mechanical and Housing

|                                     |                   |
|-------------------------------------|-------------------|
| Housing Material                    | Aluminum extruded |
| Reflector material                  | Aluminum          |
| Optic material                      | Polycarbonate     |
| Optical cover material              | Polycarbonate     |
| Fixation material                   | Aluminum          |
| Housing Color                       | Silver            |
| Optical cover finish                | Opal              |
| Overall length                      | 1,120 mm          |
| Overall width                       | 71 mm             |
| Overall height                      | 76 mm             |
| Dimensions (Height x Width x Depth) | 76 x 71 x 1120 mm |

Approval and Application

|                              |                         |
|------------------------------|-------------------------|
| Ingress protection code      | IP20 [Finger-protected] |
| Mech. impact protection code | IK03 [0.3 J]            |
| Protection class IEC         | Safety class I          |

Initial Performance (IEC Compliant)

|                             |                      |
|-----------------------------|----------------------|
| Luminous flux tolerance     | +/-7.5%              |
| Initial chromaticity        | (0.38, 0.38) SDCM <4 |
| Power consumption tolerance | +/-10%               |

Over Time Performance (IEC Compliant)

|                               |                |
|-------------------------------|----------------|
| Driver failure rate at 5000 h | 1 %            |
| Median useful life L70B50     | 50,000 hour(s) |
| Median useful life L80B50     | 45,000 hour(s) |
| Median useful life L90B50     | 20,000 hour(s) |

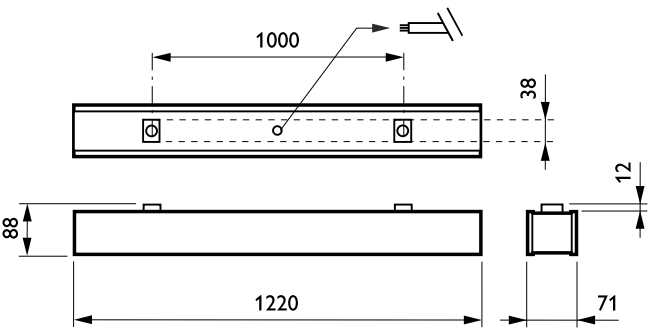
Application Conditions

|                               |     |
|-------------------------------|-----|
| Maximum dim level             | 10% |
| Suitable for random switching | No  |

Product Data

|                                 |                                    |
|---------------------------------|------------------------------------|
| Order product name              | BCS680 C LED24/840 PSD W7L120 O-PC |
| Full product name               | BCS680 C LED24/840 PSD W7L120 O-PC |
| Full product code               | 911401538801                       |
| Order code                      | 911401538801                       |
| Material Nr. (12NC)             | 911401538801                       |
| Numerator - Quantity Per Pack   | 1                                  |
| Numerator - Packs per outer box | 1                                  |

Dimensional drawing



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