

# Celino LED BCS680 C

## BCS680 C LED24/840 PSU W7L120 MLO-PC

LED Module 2400 lm, 840 neutral white, Power supply unit (On/Off), Micro-lens optic 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 | |
|---|---|
| **Lamp family code** | LED24 [LED Module 2400 lm] |
| **Light source replaceable** | No |
| **Number of gear units** | 1 unit |
| **Driver included** | Yes |
| **Glow-wire test** | Temperature 650 °C, duration 30 s |
| **Flammability mark** | - |
| **CE mark** | - |
| **ENEC mark** | - |
| **Warranty period** | 3 years |
| **EU RoHS compliant** | No |

| Light Technical | |
|---|---|
| **Luminous Flux** | 1,800 lm |
| **Correlated Color Temperature (Nom)** | 4000 K |
| **Luminous Efficacy (rated) (Nom)** | 67 lm/W |
| **Color rendering index (CRI)** | >80 |
| **Beam angle of light source** | 120 degree(s) |
| **Light source color** | 840 neutral white |
| **Optic type** | Wide beam |
| **Optical cover type** | Micro-lens optic in polycarbonate cover |
| **Luminaire light beam spread** | 110° x 110° |

| Operating and Electrical | |
|---|---|
| **Input Voltage** | 220-240 V |

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| | |
|---|---|
| **Line Frequency** | 50 to 60 Hz |
| **Initial CLO power consumption** | 32 W |
| **Average CLO power consumption** | 32 W |
| **Inrush current** | 22 A |
| **Inrush time** | 0.25 ms |
| **Power Consumption** | 32 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** | No |
| **Driver/power unit/transformer** | Power supply unit (On/Off) |
| **Constant light output** | Yes |

## 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

| | |
|---|---|
| **Suitable for random switching** | No |

## Product Data

| | |
|---|---|
| **Order product name** | BCS680 C LED24/840 PSU W7L120 MLO-PC |
| **Full product name** | BCS680 C LED24/840 PSU W7L120 MLO-PC |
| **Full product code** | 911401538901 |
| **Order code** | 911401538901 |
| **Material Nr. (12NC)** | 911401538901 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 1 |

## Dimensional drawing

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