



Celino LED BCS680 C

BCS680 C LED24/840 PSD W7L120 MLO-PC

LED Module 2400 lm, 840 neutral white, Power supply unit with DALI interface, 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 | | Light Technical | |
|--------------------------|-----------------------------------|------------------------------------|---|
| Lamp family code | LED24 [LED Module 2400 lm] | Luminous Flux | 1,800 lm |
| Light source replaceable | No | Correlated Color Temperature (Nom) | 4000 K |
| Number of gear units | 1 unit | Luminous Efficacy (rated) (Nom) | 67 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 | Micro-lens optic 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

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

Controls and Dimming

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|-------------------------------|---------------------------------------|
| 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] |
|-------------------------|-------------------------|

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

Initial Performance (IEC Compliant)

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

Over Time Performance (IEC Compliant)

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|-------------------------------|----------------|
| 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) |

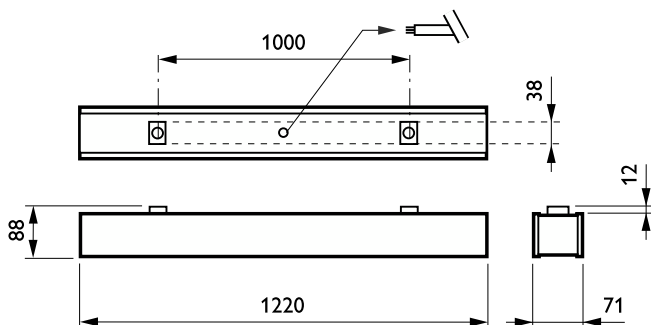
Application Conditions

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

Product Data

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|---------------------------------|--------------------------------------|
| Order product name | BCS680 C LED24/840 PSD W7L120 MLO-PC |
| Full product name | BCS680 C LED24/840 PSD W7L120 MLO-PC |
| Full product code | 911401538601 |
| Order code | 911401538601 |
| Material Nr. (12NC) | 911401538601 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |

Dimensional drawing



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