Celino – light beam

Celino LED BCS680 C

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.

Benefits
• Complete luminaire range that reflects the trend to miniaturization and architectural integration
• Excellent optical performance: optical covers for optimum visual comfort and efficiency

Features
• Inspiring: aesthetical and novel design with visually better ceiling integration
• Comfort: spacious and pleasant environment with comfortable lighting appearance
• Efficient: high efficacy achieved with optics innovation

Application
• Open plan office
• Meeting room
• Reception area
• Cell office
• Lounge

Specifications

Type	BCS680
Light source	Non-replaceable LED module

Power	30 W (for LED24)
	52 W (for LED48)
Luminous flux	1800-4200 lm (dependant on configuration)

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Correlated Colour Temperature	4000 K
Colour Rendering Index	80
Maintenance of lumen output - L90	25,000 hours at 25ºC
Maintenance of lumen output - L70	50,000 hours at 25ºC
Operating temperature range	25ºC
Driver	Built-in
	PSU: fixed output driver, PSD: dimmable driver
Mains voltage	220-240 V / 50-60 Hz
Dimming	DALI

Material	Housing: natural anodised aluminium
	End caps: die-cast aluminium
Colour	Aluminium (ALU)
Optical cover	OLC micro-lens optic in polycarbonate cover (MLO-PC)
	Opal optic in polycarbonate cover (O-PC)
	Linear lens array optic in polycarbonate cover (LIN-PC)
Installation	Individual, by clicking the luminaire into pre-screwed ceiling brackets to the ceiling
	Installation without removing light source and optical cover
Remarks	W7L120: indicating same size as Celino conventional TL5 1-lamp version
	W17L120: indicating same size as Celino conventional TL5 2-lamps version

Versions

Celino BCS680 surface-mounted luminaire with acrylate or polycarbonate micro-lens optic (MLO-PC), linear lens array or opal diffuser in polycarbonate cover (LIN-PC/O-PC)

Product details

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Application Conditions

Ambient temperature range	-20 to +40 °C
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK03
Ingress protection code	IP20

Operating and Electrical

Input Voltage	220-240 V

General Information

Beam angle of light source	120 °
CE mark	-
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	-
Flammability mark	NO
Glow-wire test	650/30
Lamp family code	LED24
Light source replaceable	No
Number of gear units	1 unit
Optic type	WB

Initial Performance (IEC Compliant)

Initial chromaticy	(0.38, 0.38) SDCM <4
Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	>80
Luminous flux tolerance	+/-7.5%

Mechanical and Housing

Colour	Silver
Geometry	W7L120

Application Conditions

Order Code	Full Product Name	Maximum dim level
911401538601	BCS680 C LED24/840 PSD W7L120 MLO-PC	10%
911401538901	BCS680 C LED24/840 PSU W7L120 MLO-PC	-
911401539001	BCS680 C LED24/840 PSU W7L120 LIN-PC	-
911401539101	BCS680 C LED24/840 PSU W7L120 O-PC	-

Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
911401538601	BCS680 C LED24/840 PSD W7L120 MLO-PC	Yes	911401539001	BCS680 C LED24/840 PSU W7L120 LIN-PC	No
911401538901	BCS680 C LED24/840 PSU W7L120 MLO-PC	No	911401539101	BCS680 C LED24/840 PSU W7L120 O-PC	No

General Information

Order Code	Full Product Name	Optical cover/lens type	Order Code	Full Product Name	Optical cover/lens type
911401538601	BCS680 C LED24/840 PSD W7L120 MLO-PC	MLO-PC	911401539001	BCS680 C LED24/840 PSU W7L120 LIN-PC	LIN-PC
911401538901	BCS680 C LED24/840 PSU W7L120 MLO-PC	MLO-PC	911401539101	BCS680 C LED24/840 PSU W7L120 O-PC	O-PC

Initial Performance (IEC Compliant)

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Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401538601	BCS680 C LED24/840 PSD W7L120 MLO-PC	67.000 lm/W	1800 lm	30 W
911401538901	BCS680 C LED24/840 PSU W7L120 MLO-PC	67.000 lm/W	1800 lm	32 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
911401539001	BCS680 C LED24/840 PSU W7L120 LIN-PC	83.000 lm/W	2300 lm	32 W
911401539101	BCS680 C LED24/840 PSU W7L120 O-PC	71.000 lm/W	2100 lm	32 W