



SmartForm LED BCS460

BCS460 LED24/840 PSD W16L124 MLO-PC

SmartForm surface mnt BCS460, LED Module 2400 lm, 840 neutral white, Power supply unit with DALI interface, Micro-lens optic in polycarbonate cover

We all feel and perform better in a pleasant, comfortable working environment. Designed for use in offices, shops and schools, the SmartForm family of surface-mounted luminaires combines best-in-class lighting with a clean, distinctive design. These ultra-flat luminaires are available with a choice of MASTER TL5, TL5 ECO or LED light sources in rectangular and square versions. They can also be used to form light-lines and structures. With its wide choice of very efficient and comfortable micro-optics and covers, SmartForm surface-mounted provides the ideal solution for every situation. Lighting controls can be added for further energy saving.

Product data

General Information			
Lamp family code	LED24 [LED Module 2400 lm]		B10. Therefore, the median useful life (B50) value also represents the B10 value.
Cap-Base	- [-]	Product family code	BCS460 [SmartForm surface mnt BCS460]
Light source replaceable	No	Lighting Technology	LED
Number of gear units	1 unit	Embedded control	-
Driver included	Yes	CE mark	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example	Warranty period	5 years
		Flammability mark	For mounting on normally flammable surfaces
		ENEC mark	ENEC mark
		Glow-wire test	Temperature 850 °C, duration 5 s

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EU RoHS compliant	Yes
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Light Technical

Luminous Flux	1,750 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	81 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Beam angle of light source	- degree(s)
Light source color	840 neutral white
Optic type	-
Optical cover type	Micro-lens optic in polycarbonate cover
Luminaire light beam spread	120°
Unified glare rating CEN	Not applicable

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	48 A
Inrush time	1 ms
Power Consumption	21.5 W
Power Factor (Fraction)	0.95
Connection	Connection unit 5-pole
Cable	-
Number of products on MCB of 16 A type B	20

Temperature

Ambient temperature range	+10 to +40 °C
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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	Steel
Reflector material	-

Optic material	-
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Textured
Overall length	1,240 mm
Overall width	157 mm
Overall height	56 mm
Dimensions (Height x Width x Depth)	56 x 157 x 1240 mm
Parts color	-

Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK07 [2 J reinforced]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	BCS460 LED24/840 PSD W16L124 MLO-PC
Full product name	BCS460 LED24/840 PSD W16L124 MLO-PC
Full product code	871794391547700
Order code	91547700
Material Nr. (12NC)	910504077303
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943915477
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943915477

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Dimensional drawing

