SmartForm LED BPS460

BPS460 LED24/840 PSD W16L124 LIN-PC SMT2

SmartForm suspended BPS460, LED Module 2400 lm, 840 neutral white, Power supply unit with DALI interface, Linear-lens array 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 suspended 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 with direct/indirect lighting combinations. 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 suspended 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]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median

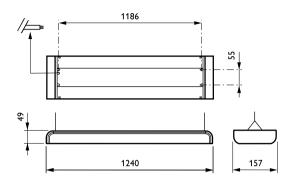|	
	useful life (B50) value also represents the B10 value.
Product family code	BPS460 [SmartForm suspended BPS460]
Lighting Technology	LED
Embedded control	-
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s

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EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,200 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	102 lm/W
Colour rendering index (CRI)	≥80
Beam angle of light source	– degree(s)
Light source colour	840 neutral white
Optic type	–
Optical cover type	Linear-lens array in polycarbonate cover
Luminaire light beam spread	140°
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

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/lens material	Polycarbonate
Fixation material	Stainless steel
Housing Colour	White
Optical cover/lens 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 colour	–

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	BPS460 LED24/840 PSD W16L124 LIN-PC SMT2
Full product name	BPS460 LED24/840 PSD W16L124 LIN-PC SMT2
Full EOC	871794391559000
Order code	91559000
Material no. (12 NC)	910504078503
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8717943915590
Numerator – packs per outer box	1
EAN/UPC – Case	8717943915590

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Dimensional drawing