

SmartForm LED BPS460

BPS460 LED24/840 PSD W22L124 MLO-PC SMT1

SmartForm suspended BPS460, 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 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

SmartForm LED BPS460

EU RoHS compliant	Yes

Light Technical

Luminous Flux	2,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	93 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	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

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	217 mm
Overall height	56 mm
Dimensions (height x width x depth)	56 x 217 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

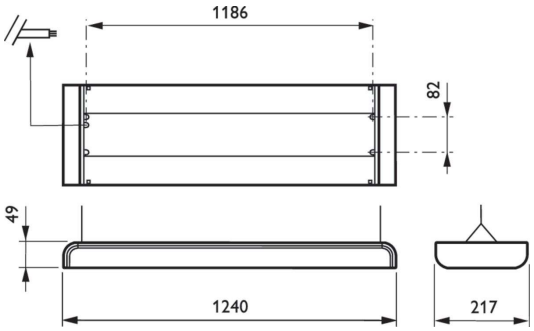
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	BPS460 LED24/840 PSD W22L124 MLO-PC SMT1
Full product name	BPS460 LED24/840 PSD W22L124 MLO-PC SMT1
Full EOC	871794391554500
Order code	91554500
Material no. (12 NC)	910504078003
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8717943915545
Numerator – packs per outer box	1
EAN/UPC - Case	8717943915545

SmartForm LED BPS460

Dimensional drawing



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.