# **PHILIPS** Lighting



# 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	Product fai
Number of gear units	1 unit	Lighting Te
Driver included	Yes	Embedded
Remarks	*-Per Lighting Europe guidance paper	CE mark
	"Evaluating performance of LED based	Warranty p
	luminaires - January 2018": statistically there	Flammabili
	is no relevant difference in lumen	
	maintenance between B50 and for example	ENEC mark

	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 Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	93 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

Fixation material	Stainless steel
Housing Color	White
Optical cover 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 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 ℃
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 product code	871794391554500
Order code	910504078003
Material Nr. (12NC)	910504078003
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8717943915545
Numerator - Packs per outer box	1
EAN/UPC - Case	8717943915545

Polycarbonate

Optical cover material

#### 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	20
В	

#### Temperature

Reflector material

Optic material

Ambient temperature range

#### Controls and Dimming

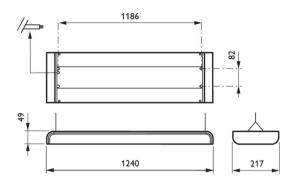
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
Mechanical and Housing	
Housing Material	Steel

\_

+10 to +40 °C

## 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.

www.lighting.philips.com 2023, April 29 - data subject to change