



SmartBalance, suspended

SP480P LED35S/840 POE ACC-MLO ACL SMT1

SmartBalance Suspended Mounted - LED Module, system flux 3500 lm - 840 neutral white - Luminaire controller with power over Ethernet - Acrylate micro-lens optic clear - ActiLume - Suspension set twin, triangle version 1

Although in many cases the functional lighting performance is key, customers are also keen to apply luminaires that are attractive and/or unobtrusive. Especially in applications where luminaires need to be surface-mounted or suspended, it can be difficult to satisfy both these requirements. SmartBalance is clearly the next step in surface-mounted and suspended luminaires for the specification market. It not only offers increased energy efficiency, but is also visually appealing without being intrusive. And its design helps to minimise clutter on the ceiling and meets all relevant office norms.

Warnings and Safety

- The product is IPX0 and as such is not protected against water ingress, so we strongly recommend that the environment in which the luminaire is to be installed is suitably checked
- If the above advice is not taken and the luminaires are subject to water ingress, Philips/Signify cannot guarantee safe use and the product warranty will become void

Product data

General Information			
Number of light sources	1 [1 pc]	Light source colour	840 neutral white
Lamp family code	LED35S [LED Module, system flux 3500 lm]	Cap base	- [-]
Beam angle of light source	- °	Light source replaceable	No
		Number of gear units	1 unit

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Gear	-
Driver/power unit/transformer	POE [Luminaire controller with power over Ethernet]
Driver included	Yes
Optic type	No [-]
Optical cover/lens type	ACC-MLO [Acrylate micro-lens optic clear]
Luminaire light beam spread	100°
Emergency lighting	No [-]
Embedded control	ACL [ActiLume]
Control interface	Power over Ethernet
Connection	RJ45 connector, male
Cable	Cable 1.7 m without plug 5-pole white
Protection class IEC	Safety class III
Mounting	SMT1 [Suspension set twin, triangle version 1]
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC plus mark
UL mark	No
Warranty period	5 years
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 B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB (16 A type B)	20
EU RoHS compliant	Yes
Accessory PFC	N/A
Product family code	SP480P [SmartBalance Suspended Mounted]
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	51 to 54 V
Input frequency	- Hz
Control signal voltage	42.5 to 57 V DC POE+
Inrush current	5 A
Inrush time	1 ms
Power factor (min.)	-

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Geometry	Width 0.24 m, length 1.34 m
Housing material	Polycarbonate
Reflector material	-

Optic material	-
Optical cover/lens material	Acrylate
Gear tray material	Steel
Fixation material	Steel
Optical cover/lens finish	Textured
Overall length	1340 mm
Overall width	240 mm
Overall height	50 mm
Colour	White
Dimensions (height x width x depth)	50 x 240 x 1340 mm (2 x 9.4 x 52.8 in)

Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	3500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	109 lm/W
Init. Corr. Colour Temperature	4000 K
Init. colour rendering index	>80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	32 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L85

Application Conditions

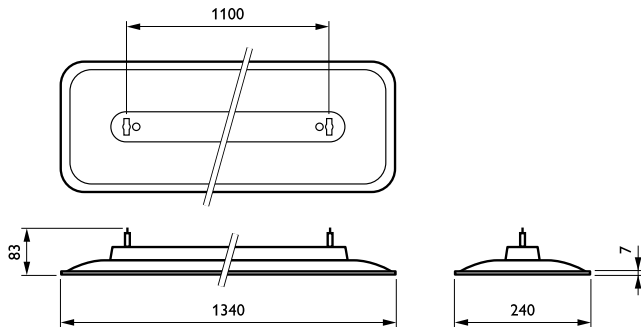
Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes

Product Data

Full product code	871794311318700
Order product name	SP480P LED35S/840 POE ACC-MLO ACL SMT1
EAN/UPC – product	8717943113187
Order code	11318700
Numerator – quantity per pack	1
SAP numerator – packs per outer box	1
Material no. (12 NC)	910504095903
SAP net weight (piece)	4.700 kg

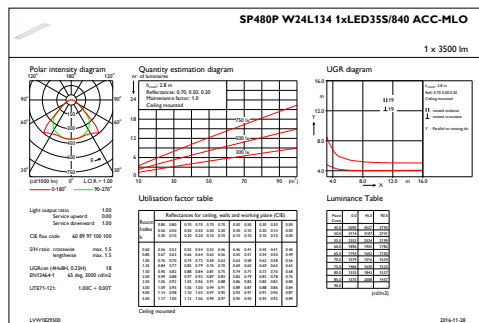


Dimensional drawing

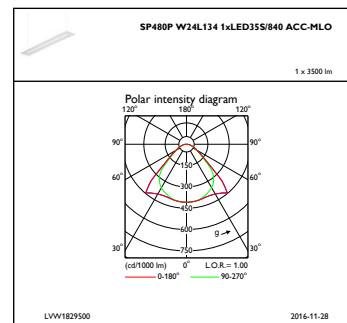


SmartBalance SP480P/SP482P

Photometric data



IFGU1_SP480PW24L1341xLED35S840ACC-MLO



IFPC1_SP480PW24L1341xLED35S840ACC-MLO

