SmartBalance, surface mounted

SM480C LED35S/930 PSD ACC-MLO WH

SmartBalance Surface Mounted - LED Module, system flux 3500 lm - 930 warm white - Power supply unit with DALI interface - Acrylate micro-lens optic clear

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 minimize clutter on the ceiling and meets all relevant office norms. SmartBalance is also available in recessed and free floor-standing versions.

Product data

General Information	
Number of light sources	1 [1 pc]
Lamp family code	LED35S [LED Module, system flux 3500 lm]
Beam angle of light source	- °
Light source colour	930 warm white
Cap base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-

Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
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 [-]
Control interface	DALI
Connection	Push-in connector 3-pole
Cable	-
Protection class IEC	Safety class I

SmartBalance, surface mounted

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 mark
UL mark	No
Warranty period	5 years
Glare shielding accessories	No [-]
Constant light output	No
Number of products on MCB	20
Product Family Code	SM480C [SmartBalance Surface Mounted]
Unified glare rating CEN	19

Light Technical

Saturated Red (R9)	>50

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Average CLO power consumption	- W
Inrush current	48 A
Inrush time	0.180 ms
Power factor (min.)	0,9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

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	52 mm
Colour	White
Dimensions (height x width x depth)	52 x 240 x 1340 mm (2 x 9.4 x 52.8 in)

Approval and Application

Ingress protection code	IP20 [Finger-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	119 lm/W
Init. Corr. colour temperature	3000 K
Init. colour rendering index	>90
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	29.5 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h
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	No

Product Data

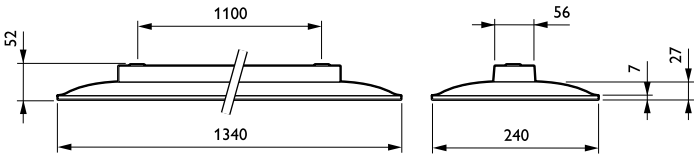
Full product code	871869996485600
Order product name	SM480C LED35S/930 PSD ACC-MLO WH
EAN/UPC – product	8718699964856
Order code	96485600
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910505100279
Net weight (piece)	4.500 kg



Warnings and Safety

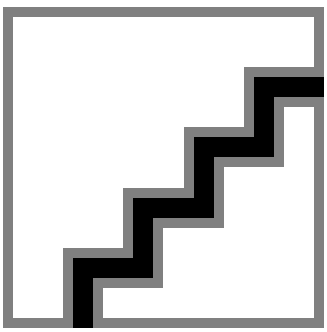
SmartBalance, surface mounted

Dimensional drawing

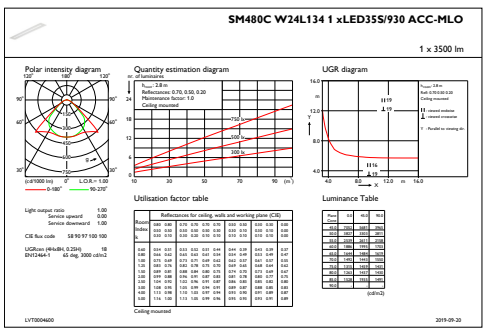


SmartBalance SM480C

Photometric data



OFPC1_SM480CW24L1341xLED35S930ACC-MLO



IFGU1_SM480CW24L1341xLED35S930ACC-MLO

© 2020 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.