PHILIPS

Lighting

SmartBalance, surface mounted

SM480C LED35S/840 PSD ACC-MLO

SmartBalance Surface Mounted - LED Module, system flux 3500 lm - 840 neutral 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 pc
Lamp family code	LED35S [LED Module, system flux 3500 lm]
Light source color	840 neutral white
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes

Optic type	-
Optical cover/lens type	Acrylate micro-lens optic clear
Luminaire light beam spread	100°
Emergency lighting	-
Embedded control	-
Control interface	DALI
Connection	Push-in connector 3-pole
Cable	-
Protection class IEC	Safety class I
Mounting	Surface

SmartBalance, surface mounted

Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	ENEC plus mark
UL mark	-
Warranty period	5 years
Constant light output	No
Number of products on MCB of 16 A type B	20
RoHS mark	RoHS mark
Accessory PFC	N/A
Product family code	SM480C [SmartBalance Surface Mounted]

Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	48 A
Inrush time	0.180 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes

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	-
Optical cover/lens finish	Textured
Overall length	1340 mm
Overall width	240 mm
Overall height	52 mm

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 (system flux)	3500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	109 lm/W
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	>80
Initial chromaticy	(0.38, 0.38) SDCM <3
Initial input power	32 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

Application Conditions

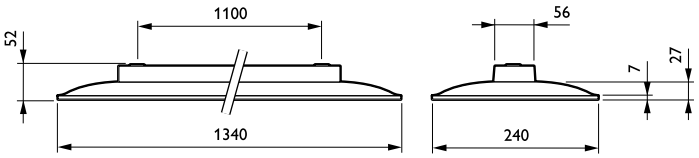
Ambient temperature range	+10 to +40 °C
Average ambient temperature	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Full product code	871829126756000
Order product name	SM480C LED35S/840 PSD ACC-MLO
EAN/UPC - Product	8718291267560
Order code	910504083603
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910504083603
Net Weight (Piece)	4.500 kg

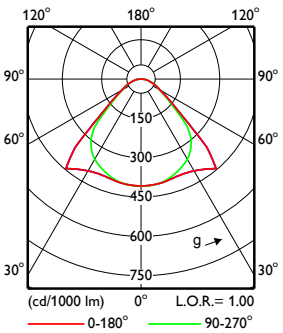
SmartBalance, surface mounted

Dimensional drawing



SmartBalance SM480C

Photometric data



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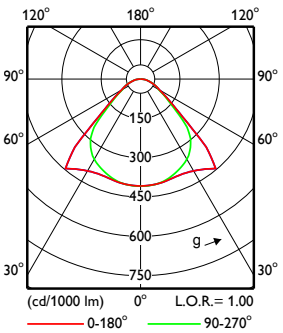

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