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.

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 followed 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	
Lamp family code	LED35S [LED Module, system flux 3500 lm]
Cap base	– [-]
Light source replaceable	No
Number of gear units	Unit

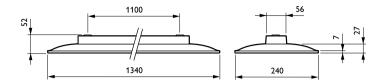|	
Gear	–
Driver included	Yes
Remarks	*– According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there

SmartBalance, surface mounted

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	SM480C [SmartBalance Surface Mounted]
Lighting Technology	LED
Value ladder	Specification
Embedded control	–
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on normally flammable surfaces
ENEC mark	ENEC plus mark
Glow-wire test	Temperature 650 °C, duration 5 s
EU RoHS compliant	Yes

Light Technical

Luminous Flux	3,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	117 lm/W
Colour rendering index (CRI)	>80
Light source colour	840 neutral white
Optic type	–
Optical cover type	Acrylate micro-lens optic clear
Luminaire light beam spread	100°
Unified Glare Rating (CEN)	19

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	48 A
Inrush time	0.180 ms
Power Consumption	30 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 3-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	Polycarbonate
Reflector material	–
Optic material	–
Optical cover/lens material	Acrylate
Fixation material	–
Housing Colour	White
Optical cover/lens finish	Textured
Overall length	1,340 mm
Overall width	240 mm
Overall height	52 mm
Dimensions (height x width x depth)	52 x 240 x 1340 mm

Approval and Application

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

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

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

Product Data

Order product name	SM480C LED35S/840 PSD ACC-MLO
Full product name	SM480C LED35S/840 PSD ACC-MLO
Full EOC	871829126756000
Order code	26756000
Material no. (12 NC)	910504083603
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291267560
Numerator – packs per outer box	1
EAN/UPC – Case	8718291267560

SmartBalance, surface mounted

Dimensional drawing