



SmartBalance – combining performance with smart design

SmartBalance, surface mounted

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.

Benefits

- Operational cost savings – more energy-efficient than fluorescent
- Attractive, unobtrusive design – limits clutter on ceiling
- Office-norm-compliant

Features

- Energy efficacy > 90 lm/W, allowing energy cost savings of around 30%
- Compact, lightweight and unobtrusive
- SmartBalance meets UGR 19 and two levels of L65, namely 1500/3000 cd/m²
- SmartBalance offers a number of options to meet the needs of the specification business, such as (wireless) DALI-controllable, emergency lighting, coupling parts

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Application

- Indoor general lighting applications requiring surface or suspended mounting

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

Specifications

Type	SM480C
Light source	Philips Fortimo LED Line 1R
Power (+/-10%)	25 W (3,000 lm, 4,000 K/ACC-MLO) 30 W (3,500 lm, 4,000 K/ACC-MLO)
Luminous flux	3,000 or 3,500 lm
Correlated Colour	3,000 or 4,000 K
Temperature	
Colour Rendering Index	>80
Lumen maintenance at median useful life* 50,000 h	L80
Control gear failure rate at median useful life 50,000 h	5%
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	+10 to +40 °C

Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz
Dimming	Dimmable
Control system input	DALI
Options	Emergency lighting: 1.5 hours ActiLume Wireless system
Material	Housing: polycarbonate and sheet metal Cover/optic: PMMA or polycarbonate
Colour	White (WH) or silver grey (SI)
Optic	OLC micro-lens optic made of clear acrylic (ACC-MLO)
Connection	Push-in connector (PI)
Maintenance	Optical module sealed for life; no internal cleaning required
Installation	Individual; locking the luminaire into the pre-mounted ceiling plate (delivered with the luminaire) Through-wiring possible Optional: use of surface-mounted gear tray adaptor

Versions



SmartBalance surface mounted
SM480C luminaire

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Product details

IPDP_SM480Ci_0001-Detail
photo



IPDP_SM480Ci_0003-Detail
photo



IPDP_SM480Ci_0005-Detail
photo



IPDP_SM480Ci_0007-Detail
photo



IPDP_SM480Ci_0011-Detail photo



IPDP_SM480Ci_0013-Detail
photo



IPDP_SM480Ci_0015-Detail
photo



SmartBalance, surface mounted

Product details

IPDP_SM480Ci_0017-Detail
photo



Application Conditions

Ambient temperature range	+10 to +40 °C
Maximum dimming level	1%
Suitable for random switching	No

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP20

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220-240 V
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General Information

Beam angle of light source	- °
CE mark	CE mark
Protection class IEC	Safety class I
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Optic type	No
Product family code	SM480C

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Colour rendering index	>90
Initial luminous flux	3500 lm
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	White
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Order Code	Full Product Name	Driver failure rate at 5,000 hours
96485600	SM480C LED35S/930 PSD ACC-MLO WH	0.01 %
96687400	SM480C LED35S/940 PSD ACC-MLO WH	-

General Information (1/2)

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Order Code	Full Product Name	Cap base	Optical cover/lens type	Emergency lighting	Gear
96485600	SM480C LED35S/930 PSD ACC-MLO WH	-	ACC-MLO	No	-

Order Code	Full Product Name	Cap base	Optical cover/lens type	Emergency lighting	Gear
96687400	SM480C LED35S/940 PSD ACC-MLO WH	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	Glare-shielding accessories	Lamp family code	Number of light sources	UL mark
96485600	SM480C LED35S/930 PSD ACC-MLO WH	No	LED35S	1	No

Order Code	Full Product Name	Glare-shielding accessories	Lamp family code	Number of light sources	UL mark
96687400	SM480C LED35S/940 PSD ACC-MLO WH	-	-	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial input power
96485600	SM480C LED35S/930 PSD ACC-MLO WH	3000 K	119 lm/W	29.5 W

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial input power
96687400	SM480C LED35S/940 PSD ACC-MLO WH	4000 K	123 lm/W	28.5 W

