



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

Specifications

Type	SM480C
Light source	Philips Fortimo LED Line 1R
Power (+/-10%)	40 W (4000 K / ACC-MLO)
Luminous flux	3000 or 3500 lm
Correlated Color	3000 or 4000 K
Temperature	
Color Rendering Index	>80
Median useful life	70,000 hours
L70B50	
Median useful life	50,000 hours
L80B50	
Median useful life	25,000 hours
L90B50	
Driver failure rate	1% per 5000 hours
Average ambient temperature	+25 °C
Operating temperature range	+10 to +40 °C

Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz
Dimming	Dimmable
Controls system input	DALI
Options	Emergency lighting: 1.5 hour ActiLume Wireless system
Material	Housing: polycarbonate and sheet metal Cover / optic: PMMA or polycarbonate
Color	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 pre-mounted ceiling plate (delivered with the luminaire) Through-wiring possible Optional: use of surface mounted gear tray adapter

Versions



SmartBalance surface mounted
SM480C luminaire

Product details



SmartBalance – available with
emergency lighting



SmartBalance surface-mounted –
easy electrical connection

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Product details



Service cord enabling one-man installation; hands free to connect the LED engine



Gear tray spring for easy clicking of the housing to the gear tray



LED engine connector: easy connection



Surface-mounted installation; freedom in inserting the mains wire



Gear tray spring: easy to click the gear tray onto the housing



Front view



Side view



Surface-mounted gear tray adapter – in case more space is needed to hide the power feed

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Application Conditions

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

Approval and Application

Mech. impact protection code	IK02
Ingress protection code	IP40

Controls and Dimming

Dimmable	Yes
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Operating and Electrical

Input Voltage	220 to 240 V
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General Information

Cap-Base	-
CE mark	CE mark
Protection class IEC	Safety class I (I)
Optical cover/lens type	ACC-MLO
Driver included	Yes
Emergency lighting	No
ENEC mark	ENEC plus mark
Flammability mark	F
Gear	-
Glow-wire test	650/5
Lamp family code	LED35S
Embedded control	No
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	No
Product Family Code	SM480C
UL mark	-

Initial Performance (IEC Compliant)

Initial luminous flux	3500 lm
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	White
Geometry	W24L134

General Information

Order Code	Full Product Name	Beam angle of light source	Glare shielding accessories
26756000	SM480C LED35S/840 PSD ACC-MLO	-	-
27352300	SM480C LED35S/830 PSD ACC-MLO	- °	No

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy
26756000	SM480C LED35S/840 PSD ACC-MLO	(0.38, 0.38) SDCM <3	4000 K	>80	117 lm/W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy
27352300	SM480C LED35S/830 PSD ACC-MLO	(0.43, 0.40) SDCM <3	3000 K	≥80	109 lm/W

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Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power	Order Code	Full Product Name	Initial input power
26756000	SM480C LED35S/840 PSD ACC-MLO	30 W	27352300	SM480C LED35S/830 PSD ACC-MLO	32 W

