



SmartBalance – combining performance with smart design

SmartBalance, suspended

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 minimise clutter on the ceiling and meets all relevant office norms.

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
- Meets UGR 19 and two levels of L65, namely 1500/3000 cd/m²
- Offers a number of options to meet the needs of the specification business, such as (wireless) DALI-controllable, emergency lighting, coupling parts

Application

- Indoor general lighting applications requiring surface or suspended mounting

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Specifications

Type	SP480P (direct lighting version) SP482P (direct/indirect lighting version)
Light source	Philips Fortimo LED Line 1R
Power (+/-10%)	SP480P: 25 W (4,000 K/ACC-MLO) SP480P: 30 W (4,000 K/ACC-MLO) SP482P: 33.5 W (4,000 K/ACC-MLO)
Luminous flux	3,000, 3,500 or 4,000 lm
Correlated Colour	3,000 or 4,000 K
Temperature	
Colour Rendering Index	>80
Lumen maintenance at median useful life*	L80
50,000 h	
Control gear failure rate at median useful life	5%
50,000 h	
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	+10 to +35 °C
Driver	Built-in
Mains voltage	220-240 V / 50-60 Hz

Dimming	Dimmable
Control system input	DALI
Options	Emergency lighting: 1.5 hours Coupling piece (to connect up to 3 luminaires) 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	Suspended mounting with a set of single steel-wire suspensions including a power cable, 170 cm Suspension set SM1: set with twin metal tubes Suspension set SM2: set with ceiling cap and metal tube Suspension set SMT1: connection with clips to an exposed T-bar ceiling with two steel-wire suspensions Fast fine adjustment with clutch device (Reutlinger) Through-wiring possible Optional: coupling piece for mechanical and power/data connection of up to three suspended luminaires

Versions



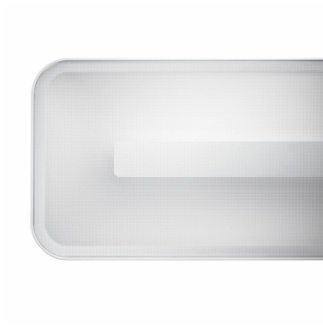
SmartBalance suspended SP480P luminaire, direct lighting

Product details



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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

Beam angle of light source	- °
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
Embedded control	No
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	No
UL mark	No

Initial Performance (IEC Compliant)

Init. Colour Rendering Index	>80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	White
Geometry	W24L134

General Information

Order Code	Full Product Name	Lamp family code	Product Family Code
910504083703	SP480P LED35S/840 PSD ACC-MLO SM2	LED35S	SP480P
910504085603	SP482P LED40S/830 PSD ACC-MLO SM2	LED40S	SP482P
910504087703	SP482P LED40S/830 PSD ACC-MLO SM1	LED40S	SP482P

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
910504083703	SP480P LED35S/840 PSD ACC-MLO SM2	(0.38, 0.38) SDCM <3	4000 K	117 lm/W	3500 lm
910504085603	SP482P LED40S/830 PSD ACC-MLO SM2	(0.43, 0.40) SDCM <3	3000 K	116 lm/W	4100 lm

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
910504087703	SP482P LED40S/830 PSD ACC-MLO SM1	(0.43, 0.40) SDCM <3	3000 K	116 lm/W	4100 lm

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Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
910504083703	SP480P LED35S/840 PSD ACC-MLO SM2	30 W
910504085603	SP482P LED40S/830 PSD ACC-MLO SM2	35 W

Order Code	Full Product Name	Initial input power
910504087703	SP482P LED40S/830 PSD ACC-MLO SM1	35 W

