



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 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

SmartBalance, suspended

Application

- Indoor general lighting applications requiring surface or suspended mounting

Specifications

Type	SP480P (direct lighting version) SP482P (direct / indirect lighting version)	Dimming	Dimmable
Light source	Philips Fortimo LED Line 1R	Controls system input	DALI
Power (+/-10%)	SP480P: 40 W (4000 K / ACC-MLO) SP482P: 43 W (4000 K / ACC-MLO)	Options	Emergency lighting: 1.5 hour Coupling piece (to connect up to 3 luminaires) ActiLume Wireless system
Luminous flux	3000, 3500 or 4000 lm	Material	Housing: polycarbonate and sheet metal Cover / optic: PMMA or polycarbonate
Correlated Color	3000 or 4000 K	Color	White (WH) or silver grey (SI)
Temperature		Optic	OLC micro-lens optic made of clear acrylic (ACC-MLO)
Color Rendering Index	>80	Connection	Push-in connector (PI)
Median useful life	70,000 hours	Maintenance	Optical module sealed for life; no internal cleaning required
L70B50		Installation	Suspended mounting with a set of single steel-wire suspensions including a power cord, 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
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 +35 °C		
Driver	Built-in		
Mains voltage	220-240 V / 50-60 Hz		

Versions



SmartBalance suspended SP480P luminaire, direct lighting

SmartBalance, suspended

Product details

SmartBalance suspended – easy electrical connection



SmartBalance – Reutlinger connection for easy suspension



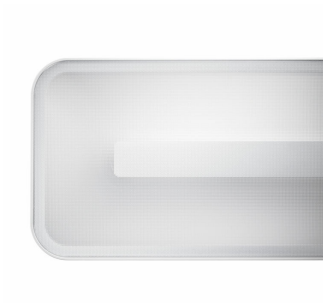
Slim ceiling cap



Powerful indirect lighting



SmartBalance light exit window



SmartBalance suspended luminaire



Clutch device for easy adjustment of the luminaire height

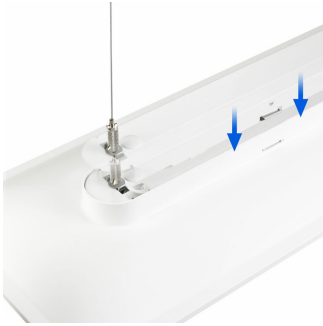


Service cord enabling one-man installation; hands free to connect the LED engine



SmartBalance, suspended

Product details



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



LED engine connector: easy connection



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



SmartBalance in silver-grey housing

Accessories



Coupling piece (kit)

Ordercode 27246500



Coupling piece (kit)

Ordercode 27247200

SmartBalance, suspended

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
----------	-----

Operating and Electrical

Input Voltage	220 to 240 V
---------------	--------------

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	-

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
-------------------------	--------

Mechanical and Housing

Colour	White
Geometry	W24L134

General Information

Order Code	Full Product Name	Lamp family code	Product Family Code
26757700	SP480P LED35S/840 PSD ACC-MLO SM2	LED35S	SP480P
26758400	SP482P LED40S/840 PSD ACC-MLO SM2 WH	LED40S	SP482P
27358500	SP480P LED35S/830 PSD ACC-MLO SM2	LED35S	SP480P
27362200	SP482P LED40S/830 PSD ACC-MLO SM2	LED40S	SP482P
26797300	SP480P LED35S/830 PSD ACC-MLO SM1	LED35S	SP480P
26798000	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	Init. Colour Rendering Index	Initial LED luminaire efficacy
26757700	SP480P LED35S/840 PSD ACC-MLO SM2	(0.38, 0.38) SDCM <3	4000 K	>80	117 lm/W
26758400	SP482P LED40S/840 PSD ACC-MLO SM2	(0.38, 0.38) SDCM <3	4000 K	≥80	122 lm/W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy
27358500	SP480P LED35S/830 PSD ACC-MLO SM2 WH	(0.43, 0.40) SDCM <3	3000 K	≥80	109 lm/W

SmartBalance, suspended

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy
27362200	SP482P LED40S/830 PSD ACC-MLO SM2	(0.43, 0.40) SDCM <3	3000 K	>80	116 lm/W
26797300	SP480P LED35S/830 PSD ACC-MLO SM2	(0.43, 0.40) SDCM <3	3000 K	≥80	109 lm/W

Order Code	Full Product Name	Initial chromaticity	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy
	PSD ACC-MLO SM1				
26798000	SP482P LED40S/830 PSD ACC-MLO SM1	(0.43, 0.40) SDCM <3	3000 K	>80	116 lm/W

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial luminous flux	Initial input power
26757700	SP480P LED35S/840 PSD ACC-MLO SM2	3500 lm	30 W
26758400	SP482P LED40S/840 PSD ACC-MLO SM2 WH	4000 lm	32 W
27358500	SP480P LED35S/830 PSD ACC-MLO SM2	3500 lm	32 W

Order Code	Full Product Name	Initial luminous flux	Initial input power
27362200	SP482P LED40S/830 PSD ACC-MLO SM2	4100 lm	35 W
26797300	SP480P LED35S/830 PSD ACC-MLO SM1	3500 lm	32 W
26798000	SP482P LED40S/830 PSD ACC-MLO SM1	4100 lm	35 W

