



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/m
- 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

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

Specifications

Type	SP480P (direct lighting version) SP482P (direct/indirect lighting version)	Dimming	Dimmable
Light source	Philips Fortimo LED Line 1R	Control system input	DALI
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)	Options	Emergency lighting: 1.5 hours Coupling piece (to connect up to 3 luminaires) ActiLume Wireless system
Luminous flux	3,000, 3,500 or 4,000 lm	Material	Housing: polycarbonate and sheet metal Cover/optic: PMMA or polycarbonate
Correlated Colour	3,000 or 4,000 K	Colour	White (WH) or silver grey (SI)
Temperature		Optic	OLC micro-lens optic made of clear acrylic (ACC-MLO)
Colour Rendering Index	>80	Connection	Push-in connector (PI)
Lumen maintenance at median useful life* 50,000 h	L80	Maintenance	Optical module sealed for life; no internal cleaning required
Control gear failure rate at median useful life 50,000 h	5%	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
Performance Ambient Temperature Tq	+25 °C		
Operating temperature range	+10 to +35 °C		
Driver	Built-in		
Mains voltage	220-240 V / 50-60 Hz		

Product details

Coupling piece (kit)



SmartBalance, suspended

Accessories



Coupling piece

Ordercode 26503000

SmartBalance, suspended

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

Operating and electrical

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

General information

Beam angle of light source	– °
Cap base	–
CE mark	Yes
Protection class IEC	Safety class I
Optical cover/lens type	ACC-MLO
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Gear	–
Glare-shielding accessories	No
Glow-wire test	Temperature 650 °C, duration 5 s
Lamp family code	LED40S
Light source replaceable	No
Number of gear units	1 unit
Number of light sources	1
Optic type	No
Service tag	Yes
UL mark	No

Initial performance (IEC compliant)

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

Light technical

Flickering	1
Stroboscopic effect	0.4

Mechanical and housing

Colour	White
--------	-------

Over time performance (IEC compliant)

Driver failure rate at 5,000 hours	0.01 %
------------------------------------	--------

General information

Order Code	Full Product Name	Product family code
96488700	SP480P LED35S/930 PSD ACC-MLO SM2	SP480P
96490000	SP482P LED40S/940 PSD ACC-MLO SM2	SP482P

Initial performance (IEC compliant)

SmartBalance, suspended

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
96488700	SP480P LED35S/930 PSD ACC-MLO SM2	3000 K	118 lm/W	3500 lm	29.5 W
96490000	SP482P LED40S/940	4000 K	121 lm/W	4000 lm	33 W

Order Code	Full Product Name	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
	PSD ACC-MLO SM2				

