



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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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	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

Product details

Coupling piece (kit)



Coupling piece (kit)



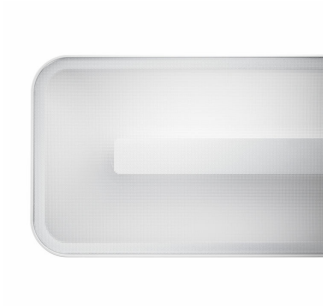
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Product details

IPDP_SP480Pi_0001-Detail photo



IPDP_SP480Pi_0005-Detail photo



IPDP_SP480Pi_0011-Detail photo



IPDP_SP480Pi_0013-Detail photo



IPDP_SP480Pi_0015-Detail photo



SmartBalance, suspended

Product details



Accessories



Coupling piece

Ordercode 910403218203



Coupling piece

Ordercode 910403218303

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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	- °
CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Glow-wire test	650/5
Light source replaceable	No
Number of gear units	1 unit
Optic type	No
Product family code	SP482P
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Corr. Colour Temperature	4000 K
Init. Colour rendering index	>90
Luminous flux tolerance	+/-10%
Light Technical	
Flickering	1
Stroboscopic effect	0.4
Mechanical and Housing	
Colour	White

Order Code	Full Product Name	Driver failure rate at 5,000 hours
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	0.01 %
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-

General Information (1/2)

Order Code	Full Product Name	Cap base	Optical	Glare-shielding	
			cover/lens type	Gear	accessories
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	-	ACC-MLO	-	No

Order Code	Full Product Name	Cap base	Optical	Glare-shielding	
			cover/lens type	Gear	accessories
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-	-	-	-

General Information (2/2)

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Order Code	Full Product Name	Lamp family code	Number of light sources	UL mark
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	LED40S	1	No

Order Code	Full Product Name	Lamp family code	Number of light sources	UL mark
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-	-	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	121 lm/W	4000 lm	33 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	127 lm/W	5000 lm	39.5 W

