



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

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Application

- Indoor general lighting applications requiring surface or suspended mounting

Warnings and Safety

- The product is IPX0 & as such is not protected against water ingress & as such 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 failure & 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 (4000 K / ACC-MLO) SP480P: 30 W (4000 K / ACC-MLO) SP482P: 33.5 W (4000 K / ACC-MLO)
Luminous flux	3000, 3500 or 4000 lm
Correlated Color	3000 or 4000 K
Temperature	
Color Rendering Index	>80
Lumen maintenance at median useful life*	L80
50000 h	
Control gear failure rate at median useful life	5%
50000 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
Controls system input	DALI
Options	Emergency lighting: 1.5 hour Coupling piece (to connect up to 3 luminaires) 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	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

Versions



SmartBalance suspended SP480P luminaire, direct lighting

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Product details

Coupling piece (kit)



Coupling piece (kit)



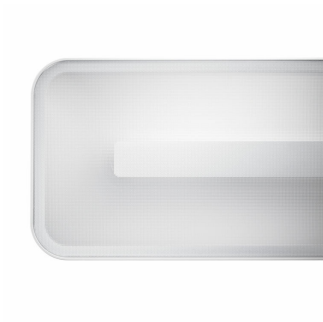
IPDP_SP480Pi_0001-Detail photo



IPDP_SP480Pi_0005-Detail photo



IPDP_SP480Pi_0011-Detail photo



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Product details



IPDP_SP480Pi_0013-Detail photo



IPDP_SP480Pi_0015-Detail photo



Accessories



Coupling piece

Ordercode 910403218203



Coupling piece

Ordercode 910403218303

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Accessories



Coupling piece (kit)

Ordercode 910403218603



Coupling piece (kit)

Ordercode 910403218703

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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	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
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of gear units	1 unit
Optic type	-
Service tag	Yes
Initial Performance (IEC Compliant)	
Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Color Rendering Index	>90
Luminous flux tolerance	+/-10%
Mechanical and Housing	
Color	White

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Order Code	Full Product Name	Driver failure rate at 5000 h
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2 WH	0.01 %
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1 WH	0.01 %
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	0.01 %
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	-
910505100466	SP480P LED40S/940 PSD ACC-MLO SWZ SM2	-
910505100467	SP482P LED50S/940 PSD ACC-MLO SWZ SM2	-
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2 WH	-

General Information (1/2)

Order Code	Full Product Name	Cap-Base	Optical cover/lens type	Glare shielding	
				Gear	accessories
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2 WH	-	Acrylate micro-lens optic clear	-	-
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1 WH	-	Acrylate micro-lens optic clear	-	-

Order Code	Full Product Name	Cap-Base	Optical cover/lens type	Glare shielding	
				Gear	accessories
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	-	Acrylate micro-lens optic clear	-	-
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	-	-	-	-
910505100466	SP480P LED40S/940 PSD ACC-MLO SWZ SM2	-	-	-	-

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Order Code	Full Product Name	Cap-Base	Optical	Glare	
			cover/lens type	shielding	Gear accessories
910505100467	SP482P LED50S/940 PSD ACC-MLO SWZ SM2	-	-	-	-
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-	-	-	-

Order Code	Full Product Name	Cap-Base	Optical	Glare	
			cover/lens type	shielding	Gear accessories
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2 WH	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	Lamp family code	Number of light sources	Product	UL mark
				Family Code	
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2 WH	LED40S	1 pc	SP480P	-
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1 WH	LED40S	1 pc	SP480P	-
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	LED40S	1 pc	SP482P	-
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	-	-	SP482P	-
910505100466	SP480P LED40S/940 PSD ACC-MLO SWZ SM2	-	-	SP480P	-

Order Code	Full Product Name	Lamp family code	Number of light sources	Product	UL mark
				Family Code	
910505100467	SP482P LED50S/940 PSD ACC-MLO SWZ SM2	-	-	SP480P	-
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	-	-	SP482P	-
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2 WH	-	-	SP482P	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial LED	Initial	Initial
			luminaire efficacy	luminous flux	input power
910505100282	SP480P LED35S/930 PSD ACC-MLO SM2 WH	3000 K	118 lm/W	3500 lm	29.5 W
910505100283	SP480P LED35S/930 PSD ACC-MLO SM1 WH	3000 K	118 lm/W	3500 lm	29.5 W
910505100284	SP482P LED40S/940 PSD ACC-MLO SM2 WH	4000 K	121 lm/W	4000 lm	33 W
910505100442	SP482P LED40S/930 PSD ACC-MLO SM2	3000 K	116 lm/W	4000 lm	34.5 W
910505100466	SP480P LED40S/940	4000 K	118 lm/W	4000 lm	33 W

Order Code	Full Product Name	Init. Corr. Color Temperature	Initial LED	Initial	Initial
			luminaire efficacy	luminous flux	input power
	PSD ACC-MLO SWZ SM2				
910505100467	SP482P LED50S/940 PSD ACC-MLO SWZ SM2	4000 K	127 lm/W	5000 lm	39.5 W
910505100507	SP482P LED50S/940 PSD ACC-MLO SM2	4000 K	127 lm/W	5000 lm	39.5 W
910505100508	SP482P LED50S/930 PSD ACC-MLO SM2 WH	3000 K	119 lm/W	5000 lm	42 W

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