



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

Features

Application

Warnings and Safety

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

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Correlated Colour Temperature	3,000 or 4,000 K
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



Coupling piece (kit)

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Accessories

Coupling piece

Ordercode 26503000



Application Conditions

Ambient temperature range	+10 to +40 °C
Maximum dim level	1%

Approval and Application

Mech. impact protection code	IK02
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Controls and Dimming

Dimmable	Yes
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General Information

Beam angle of light source	- °
Cap-Base	-
CE mark	CE mark
Optical cover/lens type	ACC-MLO
Driver included	Yes
Flammability mark	F
Gear	-
Glow-wire test	Temperature 650 °C, duration 5 s
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)

Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	White
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Application Conditions

Order Code	Full Product Name	Suitable for random switching
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	Yes
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	Yes
11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	Yes
11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	Yes
96488700	SP480P LED35S/930 PSD ACC-MLO SM2 WH	No

Approval and Application

Order Code	Full Product Name	Ingress protection code	Order Code	Full Product Name	Ingress protection code
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	IP40	11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	IP40
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	IP40	11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	IP40

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Order Code	Full Product Name	Ingress protection code
96488700	SP480P LED35S/930 PSD ACC-MLO SM2 WH	IP20

Operating and Electrical

Order Code	Full Product Name	Input Voltage
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	51 to 54 V
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	51 to 54 V
11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	51 to 54 V

Order Code	Full Product Name	Input Voltage
11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	51 to 54 V
96488700	SP480P LED35S/930 PSD ACC-MLO SM2 WH	220-240 V

General Information (1/2)

Order Code	Full Product Name	Protection class IEC	Emergency lighting	ENEC mark	Glare shielding accessories
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	Safety class III	No	ENEC plus mark	-
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	Safety class III	No	ENEC plus mark	-
11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	Safety class III	No	ENEC plus mark	-

Order Code	Full Product Name	Protection class IEC	Emergency lighting	ENEC mark	Glare shielding accessories
11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	Safety class III	No	ENEC plus mark	-
96488700	SP480P LED35S/930 PSD ACC-MLO SM2 WH	Safety class I	-	ENEC mark	No

General Information (2/2)

Order Code	Full Product Name	Lamp family code	Embedded control	Product Family Code
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	LED35S	ACL	SP480P
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	LED35S	ACL	SP480P
11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	LED40S	ACL	SP482P

Order Code	Full Product Name	Lamp family code	Embedded control	Product Family Code
11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	LED40S	ACL	SP482P
96488700	SP480P LED35S/930 PSD ACC-MLO SM2 WH	LED40S	-	SP480P

Initial Performance (IEC Compliant) (1/2)

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	4000 K	>80	109 lm/W	3500 lm
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	4000 K	>80	109 lm/W	3500 lm

Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	4000 K	>80	112 lm/W	4100 lm

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Order Code	Full Product Name	Init. Corr. Colour Temperature	Init. Colour Rendering Index	Initial LED luminaire efficacy	Initial luminous flux
11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	4000 K	>80	112 lm/W	4100 lm
96488700	SP480P LED35S/930	3000 K	>90	118 lm/W	3500 lm

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

Initial Performance (IEC Compliant) (2/2)

Order Code	Full Product Name	Initial input power
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	32 W
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	32 W
11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	36.5 W

Order Code	Full Product Name	Initial input power
11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	36.5 W
96488700	SP480P LED35S/930 PSD ACC-MLO SM2 WH	29.5 W

Mechanical and Housing

Order Code	Full Product Name	Geometry
11317000	SP480P LED35S/840 POE ACC-MLO ACL SM1	Width 0.24 m, length 1.34 m
11318700	SP480P LED35S/840 POE ACC-MLO ACL SMT1	Width 0.24 m, length 1.34 m
11319400	SP482P LED40S/840 POE ACC-MLO ACL SM1	Width 0.24 m, length 1.34 m

Order Code	Full Product Name	Geometry
11320000	SP482P LED40S/840 POE ACC-MLO ACL SMT1	Width 0.24 m, length 1.34 m
96488700	SP480P LED35S/930 PSD ACC-MLO SM2 WH	-

