![Philips Lighting logo]

SmartBalance, suspended

SP480P LED35S/830 PSD ACC-MLO SM2

SmartBalance Suspended Mounted - LED Module, system flux 3500 lm - 830 warm white - Power supply unit with DALI interface - Acrylate micro-lens optic clear - Suspension set 2-wire

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.

Product data

General Information

Number of light sources	1 pc
Lamp family code	LED35S [LED Module, system flux 3500 lm]
Beam angle of light source	- °
Light source color	830 warm white
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Gear	-
Driver/power unit/transformer	Power supply unit with DALI interface

Driver included	Yes
Optic type	-
Optical cover/lens type	Acrylate micro-lens optic clear
Luminaire light beam spread	100°
Emergency lighting	-
Embedded control	-
Control interface	DALI
Connection	Push-in connector 3-pole
Cable	Cable 1.7 m without plug 5-pole white
Protection class IEC	Safety class I

SmartBalance, suspended

Mounting	Suspension set 2-wire		Mech. impact protection code	IK02 [0.2 J standard]
Glow-wire test	Temperature 650 °C, duration 5 s			
Flammability mark	For mounting on normally flammable surfaces		**Initial Performance (IEC Compliant)**	
CE mark	CE mark		Initial luminous flux (system flux)	3500 lm
ENEC mark	ENEC plus mark		Luminous flux tolerance	+/-10%
UL mark	-		Initial LED luminaire efficacy	103 lm/W
Warranty period	5 years		Init. Corr. Color Temperature	3000 K
Constant light output	No		Init. Color Rendering Index	>80
Number of products on MCB of 16 A type B	20		Initial chromaticy	(0.43, 0.40) SDCM <3
RoHS mark	RoHS mark		Initial input power	34 W
Accessory PFC	N/A		Power consumption tolerance	+/-10%
Product family code	SP480P [SmartBalance Suspended Mounted]			

Operating and Electrical

			Over Time Performance (IEC Compliant)	
Input Voltage	220 to 240 V		Driver failure rate at 5000 h	1 %
Input Frequency	50 to 60 Hz		Median useful life L70B50	70000 h
Control signal voltage	0-16 V DC DALI		Median useful life L80B50	50000 h
Inrush current	48 A		Median useful life L90B50	25000 h
Inrush time	0.180 ms			
Power Factor (Min)	0,9		**Application Conditions**	
			Ambient temperature range	+10 to +40 °C

Controls and Dimming

			Average ambient temperature	25 °C
Dimmable	Yes		Maximum dim level	1%
			Suitable for random switching	No

Mechanical and Housing

			Product Data	
Geometry	Width 0.24 m, length 1.34 m		Full product code	871829127358500
Housing Material	Polycarbonate		Order product name	SP480P LED35S/830 PSD ACC-MLO SM2
Reflector material	-		EAN/UPC - Product	8718291273585
Optic material	-		Order code	910504085203
Optical cover/lens material	Acrylate		Numerator - Quantity Per Pack	1
Gear tray material	Steel		Numerator - Packs per outer box	1
Fixation material	Steel		Material Nr. (12NC)	910504085203
Optical cover/lens finish	Textured		Net Weight (Piece)	4.650 kg
Overall length	1340 mm			
Overall width	240 mm			
Overall height	50 mm			

Approval and Application

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Ingress protection code	IP40 [Wire-protected]

CE ▽ F 650°C IP 40 IK 02 ⏚
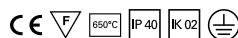
SmartBalance, suspended

Dimensional drawing
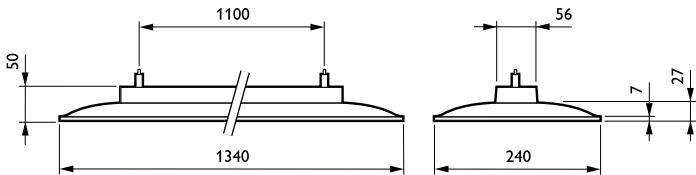
SmartBalance SP480P/SP482P

## Photometric data
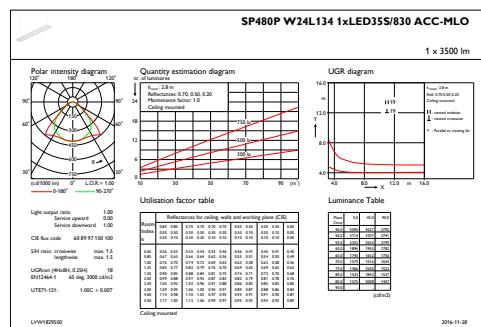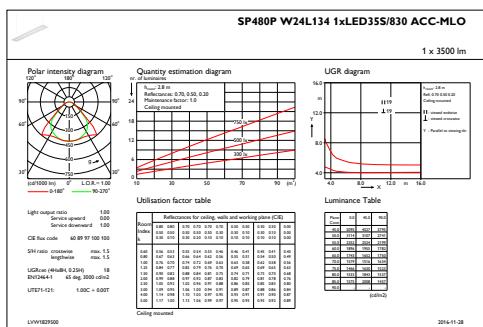
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IFPC1_SP480PW24L1341xLED35S830ACC-MLO