SmartBalance, suspended

SP482P LED40S/830 PSD ACC-MLO SM2

SmartBalance Suspended Mounted - LED Module, system flux 4000 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	LED40S [LED Module, system flux 4000 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
Mounting	Suspension set 2-wire
Glow-wire test	Temperature 650 °C, duration 5 s

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Flammability mark	For mounting on normally flammable surfaces
CE mark	CE mark
ENEC mark	ENEC plus mark
UL mark	-
Warranty period	5 years
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore the median useful life (B50) value also represents the B10 value.
Constant light output	No
Number of products on MCB of 16 A type B	20
RoHS mark	RoHS mark
Accessory PFC	N/A
Product family code	SP482P [SmartBalance Suspended Mounted]

Operating and Electrical

Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	48 A
Inrush time	0.180 ms
Power Factor (Min)	0,9

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Geometry	Width 0.24 m, length 1.34 m
Housing Material	Polycarbonate
Reflector material	-
Optic material	-
Optical cover/lens material	Acrylate
Gear tray material	Steel
Fixation material	Steel
Optical cover/lens finish	Textured
Overall length	1340 mm
Overall width	240 mm
Overall height	50 mm

Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	4100 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	116 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	>80
Initial chromaticity	(0.43, 0.40) SDCM <3
Initial input power	35 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

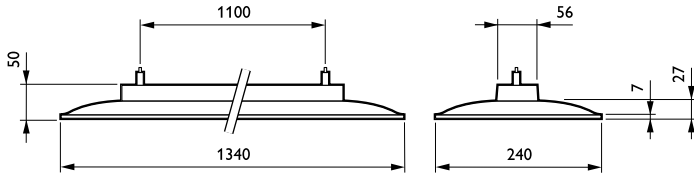|	
Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L85

Application Conditions

Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Full product code	871829127362200
Order product name	SP482P LED40S/830 PSD ACC-MLO SM2
EAN/UPC - Product	8718291273622
Order code	910504085603
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910504085603
Net Weight (Piece)	4.650 kg

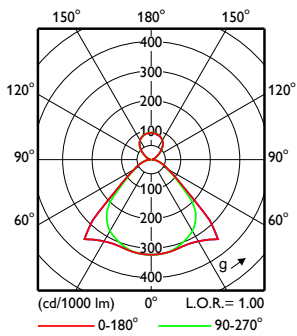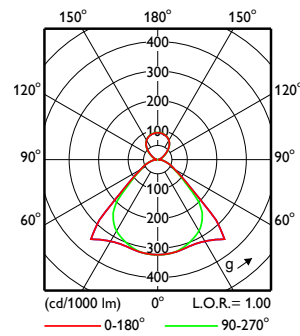# SmartBalance, suspended

Dimensional drawing

SmartBalance SP480P/SP482P

Photometric data

IFGU1_SP482PW24L1341xLED40S830ACC-MLO

IFPC1_SP482PW24L1341xLED40S830ACC-MLO

www.lighting.philips.com

2018, October 5 - data subject to change