



SmartBalance Wall-mounted

WL484W LED52S/830 PSD D/I SW SI

SmartBalance wall-mounted - LED Module, system flux 5200 lm -
830 warm white - Power supply unit with DALI interface -
Direct/indirect lighting - Separate switching - Silver

Striking the right balance between the different lighting needs in a patient room is a challenge for many hospitals. That's why our bed-head luminaires offer some of the key functionalities required by both patients and staff. The SmartBalance, wall-mounted luminaire combines high-quality lighting performance with a stylish, timeless design. General ambience light is provided indirectly via the upper part of the luminaire. The lower part delivers direct, diffuse light, allowing patients to read and clinical staff to carry out examinations at the bed.

Product data

General Information			
Number of light sources	1 pc	Optic type	-
Lamp family code	LED52S [LED Module, system flux 5200 lm]	Optical cover/lens type	Polycarbonate bowl/cover
Beam angle of light source	- °	Luminaire light beam spread	156°
Light source color	830 warm white	Embedded control	-
Cap-Base	- [-]	Control interface	DALI
Light source replaceable	No	Light regulation	-
Number of gear units	2 units	Separate switching	Separate switching
Gear	-	Connection	Push-in connector 5-pole
Driver/power unit/transformer	Power supply unit with DALI interface	Cable	-
Driver included	Yes	Protection class IEC	Safety class I
		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
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	WL484W [SmartBalance wall-mounted]

Light Technical

Light Distribution	Direct/indirect lighting
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Operating and Electrical

Input Voltage	220-240 V
Input Frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	48 A
Inrush time	0.18 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Housing Material	Aluminum
Reflector material	Aluminum
Optic material	-
Optical cover/lens material	Polycarbonate
Gear tray material	-
Fixation material	Stainless steel
Optical cover/lens finish	Textured
Overall length	900 mm
Overall width	152 mm
Overall height	52 mm

Approval and Application

Ingress protection code	IP40 [Wire-protected]
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Mech. impact protection code	IK02 [0.2 J standard]
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Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	5200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	104 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.43, 0.40) SDCM <3
Initial input power	50 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

Application Conditions

Ambient temperature range	0 to +35 °C
Average ambient temperature	25 °C
Maximum dim level	1%
Suitable for random switching	No

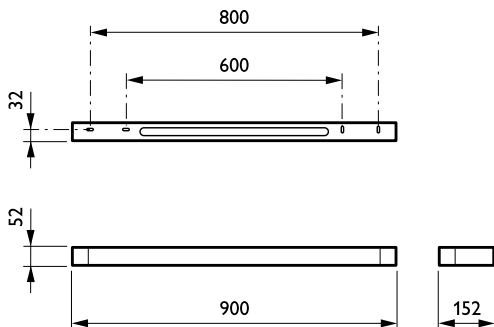
Product Data

Full product code	871794310529800
Order product name	WL484W LED52S/830 PSD D/I SW SI
EAN/UPC - Product	8717943105298
Order code	910504094303
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910504094303
Net Weight (Piece)	5.700 kg



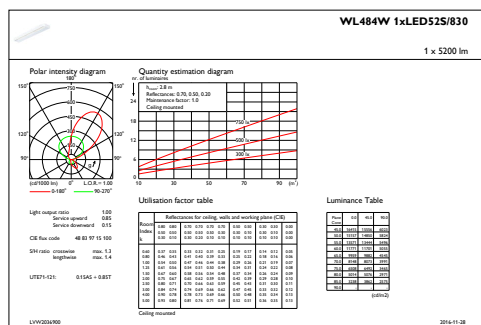
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Dimensional drawing

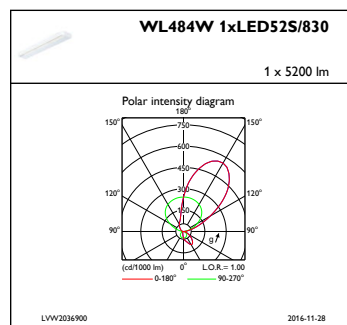


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Photometric data



IFGU1_WL484W1xLED52S830



IFPC1_WL484W1xLED52S830

