



# SmartBalance Wall-mounted

## WL484W LED52S/830 PSD D/I RLY D26 SW SI

SmartBalance wall-mounted - LED Module, system flux 5200 lm -  
Power supply unit with DALI interface - Direct/indirect lighting - Relay  
- Dimming via secondary power line with preprogrammed dimming  
level - 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
Lamp family code	LED52S [ LED Module, system flux 5200 lm]
Beam angle of light source	- °
Light source color	830 warm white
Cap-Base	- [ - ]
Light source replaceable	No
Number of gear units	2 units
Gear	-
Driver/power unit/transformer	Power supply unit with DALI interface

Driver included	Yes
Optic type	-
Optical cover/lens type	Polycarbonate bowl/cover
Luminaire light beam spread	156°
Embedded control	Relay
Control interface	DALI
Light regulation	Dimming via secondary power line with preprogrammed dimming level
Separate switching	Separate switching
Connection	Push-in connector 5-pole

## SmartBalance Wall-mounted

Cable	-
Protection class IEC	Safety class I
Glow-wire test	Temperature 650 °C, duration 5 s
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]
Mech. impact protection code	IK02 [ 0.2 J standard]

### Initial Performance (IEC Compliant)

Initial luminous flux (system flux)	5200 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	102 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.43, 0.40) SDCM <3
Initial input power	51 W
Power consumption tolerance	+/-10%

### Over Time Performance (IEC Compliant)

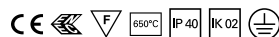
Driver failure rate at 5000 h	1 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

### Application Conditions

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

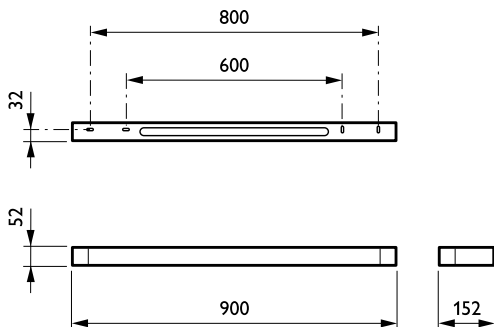
### Product Data

Full product code	871794310526700
Order product name	WL484W LED52S/830 PSD D/I RLY D26 SW SI
EAN/UPC - Product	8717943105267
Order code	910504094003
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910504094003
Net Weight (Piece)	5.900 kg



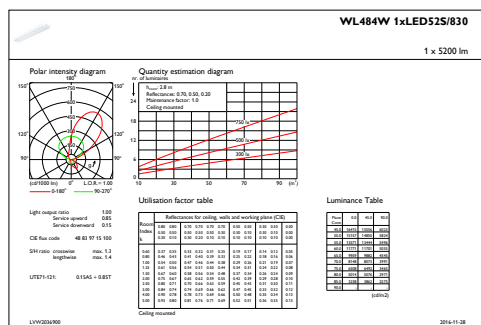
## SmartBalance Wall-mounted

## Dimensional drawing

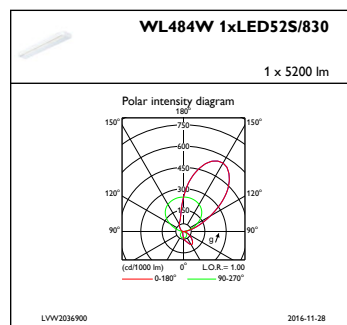


## SmartBalance Wall-mounted WL484

### Photometric data



IFGU1\_WL484W1xLED52S830



IFPC1\_WL484W1xLED52S830

