PHILIPS

Lighting



# SmartBalance Wall-mounted

## WL484W LED44S/830 PSD IND WH

SmartBalance wall-mounted - LED Module, system flux 4400 lm - 830 warm white - Power supply unit with DALI interface - Indirect lighting - White

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** | LED44S [ LED Module, system flux 4400 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** | Polycarbonate bowl/cover |
| **Luminaire light beam spread** | 156° |
| **Embedded control** | - |
| **Control interface** | DALI |
| **Light regulation** | - |
| **Separate switching** | - |
| **Connection** | Push-in connector 5-pole |
| **Cable** | - |
| **Protection class IEC** | Safety class I |
| **Glow-wire test** | Temperature 650 °C, duration 5 s |

# SmartBalance Wall-mounted

| | |
|---|---|
| **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** | Indirect lighting |

## 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 |

## 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)** | 4400 lm |
| **Luminous flux tolerance** | +/-10% |
| **Initial LED luminaire efficacy** | 107 lm/W |
| **Init. Corr. Color Temperature** | 3000 K |
| **Init. Color Rendering Index** | ≥80 |
| **Initial chromaticy** | (0.43, 0.40) SDCM <3 |
| **Initial input power** | 41 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

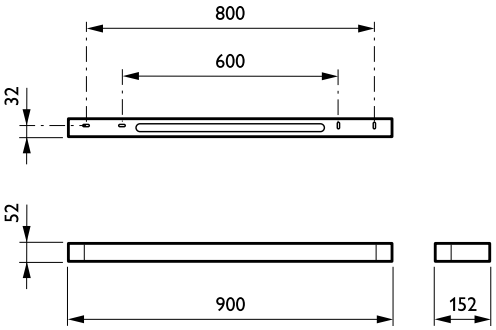
| | |
|---|---|
| **Ambient temperature range** | 0 to +35 °C |
| **Average ambient temperature** | 25 °C |
| **Maximum dim level** | 1% |
| **Suitable for random switching** | No |

## Product Data

| | |
|---|---|
| **Full product code** | 871869686929100 |
| **Order product name** | WL484W LED44S/830 PSD IND WH |
| **EAN/UPC - Product** | 8718696869291 |
| **Order code** | 910504096403 |
| **Numerator - Quantity Per Pack** | 1 |
| **Numerator - Packs per outer box** | 1 |
| **Material Nr. (12NC)** | 910504096403 |
| **Net Weight (Piece)** | 4.800 kg |

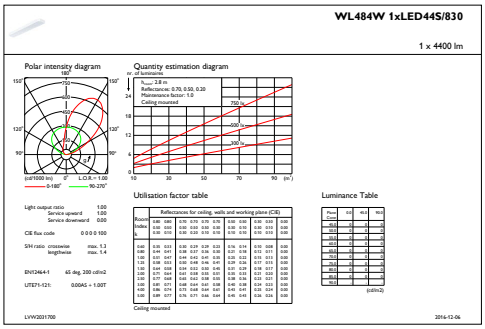
# SmartBalance Wall-mounted

## Dimensional drawing

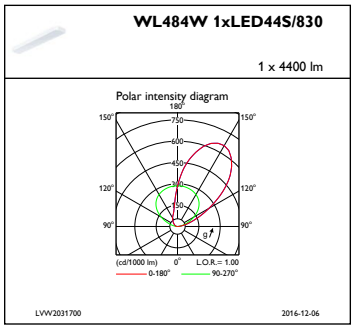



SmartBalance Wall-mounted WL484

## Photometric data




IFGU1_WL484W1xLED44S830




IFPC1_WL484W1xLED44S830

© 2017 Philips Lighting Holding B.V. All rights reserved. Philips Lighting reserves the right to make changes in specifications and/or to discontinue any product at any timewithout notice or obligation and will not be liable for any consequences resulting from the use of this publication.