# SmartBalance, wall-mounted – Stylish and comfortable

## SmartBalance Wall-mounted

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.

### Benefits
• Elegant, slim design
• Delivers patient-room illumination levels
• Energy savings and long lifetime

### Features
• Slim design: lower in height than competitor models
• Compliant with lighting norms for patient rooms and corridors
• Appealing, timeless design
• Flexible mounting, both electrical and mechanical
• State-of-the-art LED technology
• Configurator approach to meet a range of hospital requirements
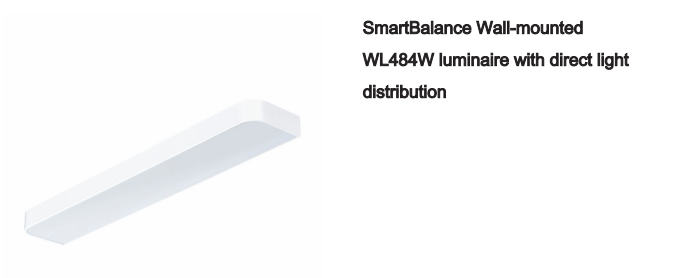
### Application
• Patient rooms
• Corridors

## Specifications
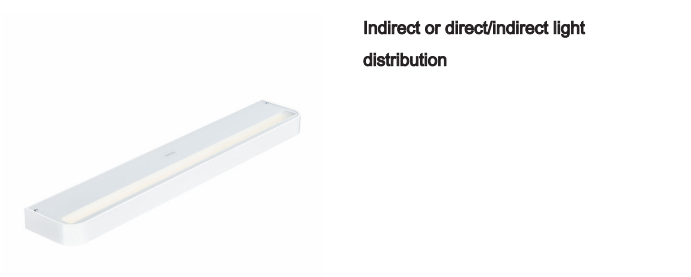
# SmartBalance Wall-mounted

| | | | | |
|---|---|---|---|---|
| Type | WL484W | | Performance Ambient Temperature Tq | +25 ºC |
| Light source | Philips Fortimo LED Line 1R | | Operating temperature range | -20 to +30 ºC |
| Power | 32.7 to 45 W (depending on type) | | Driver | Built-in |
| Beam angle | Asymmetrical beam | | Mains voltage | 230 or 240 V / 50-60 Hz |
| Luminous flux | 4000 or 5200 lm (downlight versions) | | Dimming | DALI dimmable |
| | 4400 or 4600 lm (uplight versions) | | Options | EFE relay, nightlight |
| Correlated Color Temperature | 3000 or 4000 K | | Material | Housing: aluminum |
| Color Rendering Index | >80 | | | Optic: PMMA |
| Lumen maintenance at median useful life* 50000 h | L80 | | Color | Silver grey (comparable to RAL 9006) |
| | | | | White (RAL 9003) |
| Control gear failure rate at median useful life 50000 h | 5% | | Installation | Screw mounting, directly onto surface |
| | | | | Through-wiring not possible |

## Versions



SmartBalance Wall-mounted
WL484W luminaire with direct/indirect
light distribution



SmartBalance Wall-mounted
WL484W luminaire with direct light
distribution

## Product details



Indirect or direct/indirect light
distribution

# SmartBalance Wall-mounted

## Application Conditions

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

## Approval and Application

| | |
|---|---|
| Mech. impact protection code | IK02 |
| Ingress protection code | IP40 |

## Controls and Dimming

| | |
|---|---|
| Dimmable | Yes |

## Operating and Electrical

| | |
|---|---|
| Input Voltage | 220-240 V |

## General Information

| | |
|---|---|
| Beam angle of light source | - ° |
| Cap-Base | - |
| CE mark | CE mark |
| Protection class IEC | Safety class I (I) |
| Optical cover/lens type | PC |
| Driver included | Yes |
| ENEC mark | ENEC plus mark |
| Flammability mark | F |
| Gear | - |
| Glow-wire test | 650/5 |
| Embedded control | No |
| Light source replaceable | No |
| Light regulation | - |
| Number of light sources | 1 |
| Optic type | No |
| Product Family Code | WL484W |
| UL mark | - |

## Initial Performance (IEC Compliant)

| | |
|---|---|
| Init. Color Rendering Index | ≥80 |
| Luminous flux tolerance | +/-10% |

## Mechanical and Housing

| | |
|---|---|
| Color | White |

## General Information

| Order Code | Full Product Name | Lamp family code | Number of gear units |
|---|---|---|---|
| 10527400 | WL484W LED52S/830 PSD D/I SW WH | LED52S | 2 units |
| 86901700 | WL484W LED40S/830 PSD D/I SW WH | LED40S | 2 units |
| 10528100 | WL484W LED46S/840 PSD IND WH | LED46S | 1 unit |

## Initial Performance (IEC Compliant) (1/2)

| Order Code | Full Product Name | Initial chromaticy | Init. Corr. Color Temperature | Initial LED luminaire efficacy | Initial luminous flux |
|---|---|---|---|---|---|
| 10527400 | WL484W LED52S/830 PSD D/I SW WH | (0.43, 0.40) SDCM <3 | 3000 K | 116 lm/W | 5200 lm |
| 86901700 | WL484W LED40S/830 PSD D/I SW WH | (0.43, 0.40) SDCM <3 | 3000 K | 116 lm/W | 4000 lm |

| Order Code | Full Product Name | Initial chromaticy | Init. Corr. Color Temperature | Initial LED luminaire efficacy | Initial luminous flux |
|---|---|---|---|---|---|
| 10528100 | WL484W LED46S/840 PSD IND WH | (0.38, 0.38) SDCM <3 | 4000 K | 124 lm/W | 4600 lm |

## Initial Performance (IEC Compliant) (2/2)

| Order Code | Full Product Name | Initial input power |
|---|---|---|
| 10527400 | WL484W LED52S/830 PSD D/I SW WH | 45 W |
| 86901700 | WL484W LED40S/830 PSD D/I SW WH | 34.5 W |

| Order Code | Full Product Name | Initial input power |
|---|---|---|
| 10528100 | WL484W LED46S/840 PSD IND WH | 37 W |

www.lighting.philips.com

2018, October 16 - data subject to change