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	4,000 or 5,200 lm (downlight versions)		Dimming	DALI dimmable
	4,400 or 4,600 lm (uplight versions)		Options	EFE relay, nightlight
Correlated Colour Temperature	3,000 or 4,000 K		Material	Housing: aluminium
Colour Rendering Index	>80			Optic: PMMA
Lumen maintenance at median useful life* 50,000 h	L80		Colour	Silver grey (comparable to RAL 9006)
				White (RAL 9003)
Control gear failure rate at median useful life 50,000 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/indirect
light distribution

SmartBalance Wall-mounted
WL484W luminaire with direct light
distribution

Product details

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
Optical cover/lens type	PC
Driver included	Yes
ENEC mark	ENEC plus mark
Flammability mark	F
Gear	-
Glow-wire test	Temperature 650 °C, duration 5 s
Light source replaceable	No
Number of light sources	1
Optic type	No
Product Family Code	WL484W
UL mark	No

Initial Performance (IEC Compliant)

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

General Information

Order Code	Full Product Name	Lamp family code	Embedded control	Light regulation	Number of gear units
10526700	WL484W LED52S/830 PSD D/I RLY D26 SW SI	LED52S	RLY	Dimming via secundary power line with preprogrammed dimming level	2 units
10527400	WL484W LED52S/830 PSD D/I SW WH	LED52S	No	-	2 units
86902400	WL484W LED40S/840 PSD D/I SW WH	LED40S	No	-	2 units
10528100	WL484W LED46S/840 PSD IND WH	LED46S	No	-	1 unit

Initial Performance (IEC Compliant) (1/2)

SmartBalance Wall-mounted

Order Code	Full Product Name	Initial chromaticy	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
10526700	WL484W LED52S/830 PSD D/I RLY D26 SW SI	(0.43, 0.40) SDCM <3	3000 K	113 lm/W	5200 lm
10527400	WL484W LED52S/830 PSD D/I SW WH	(0.43, 0.40) SDCM <3	3000 K	116 lm/W	5200 lm

Order Code	Full Product Name	Initial chromaticy	Init. Corr. Colour Temperature	Initial LED luminaire efficacy	Initial luminous flux
86902400	WL484W LED40S/840 PSD D/I SW WH	(0.38, 0.38) SDCM <3	4000 K	122 lm/W	4000 lm
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
10526700	WL484W LED52S/830 PSD D/I RLY D26 SW SI	46 W
10527400	WL484W LED52S/830 PSD D/I SW WH	45 W

Order Code	Full Product Name	Initial input power
86902400	WL484W LED40S/840 PSD D/I SW WH	32.7 W
10528100	WL484W LED46S/840 PSD IND WH	37 W

Mechanical and Housing

Order Code	Full Product Name	Colour
10526700	WL484W LED52S/830 PSD D/I RLY D26 SW SI	Silver
10527400	WL484W LED52S/830 PSD D/I SW WH	White

Order Code	Full Product Name	Colour
86902400	WL484W LED40S/840 PSD D/I SW WH	White
10528100	WL484W LED46S/840 PSD IND WH	White

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