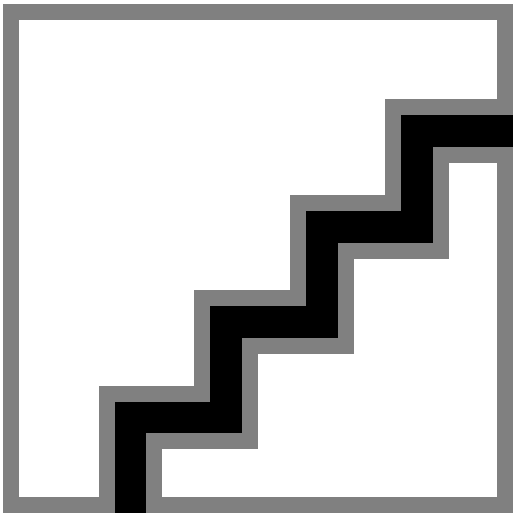


SmartBalance Tunable White, recessed

RC486B LED78S/TWH PSD W62L62 VPC PIP

SMARTBALANCE RECESSED TUNEABLE WH, LED Module, system flux 7800 lm, Tunable white, Power supply unit with DALI interface, Push-in connector and pull relief

SmartBalance Tunable White recessed improves patients' sense of well-being during their hospital stay.. This dynamic lighting solution enables hospitals to provide patient rooms that are more homely and inviting, where the atmosphere can be changed to suit the time of day or the activity being carried out. At the same time, it helps hospital managers to ensure that medical staff remain alert, especially on round-the-clock shifts.

Product data

General Information	
Lamp family code	LED78S [LED Module, system flux 7800 lm]
Cap-Base	- [-]
Light source replaceable	No
Number of gear units	2 units
Gear	-
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper "Evaluating performance of LED based luminaires - January 2018": statistically there is no relevant difference in lumen maintenance between B50 and for example B10. Therefore, the median useful life (B50) value also represents the B10 value.

Product family code	RC484B [SMARTBALANCE RECESSED TUNEABLE WH]
Lighting Technology	LED
Glow-wire test	Temperature 650 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC plus mark
Warranty period	5 years
EU RoHS compliant	Yes
Embedded control	-

Light Technical	
Luminous Flux	7,800 lm

SmartBalance Tunable White, recessed

Luminous Efficacy (rated) (Nom)	92 lm/W
Color rendering index (CRI)	≥80
Number of light sources	1
Light source color	Tunable white
Optic type	-
Optical cover type	Acrylate micro-lens optic clear
Luminaire light beam spread	130°
Unified glare rating CEN	19

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	4.6 A
Inrush time	0.9 ms
Power Consumption	85 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	12

Temperature

Ambient temperature range	+10 to +40 °C

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No

Mechanical and Housing

Housing Material	Steel
Reflector material	Polycarbonate
Optic material	-
Optical cover material	Acrylate
Fixation material	-
Housing Color	White
Optical cover finish	Textured

Overall length	622 mm
Overall width	622 mm
Overall height	136 mm
Dimensions (Height x Width x Depth)	136 x 622 x 622 mm

Approval and Application

Ingress protection code	IP40 [Wire-protected]
Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class I

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance at median useful life* 50000 h	L80

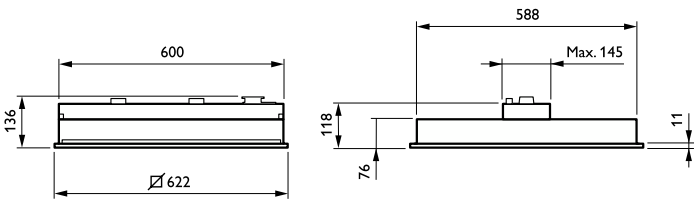
Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Order product name	RC486B LED78S/TWH PSD W62L62 VPC PIP
Full product name	RC486B LED78S/TWH PSD W62L62 VPC PIP
Full product code	871869687075400
Order code	910502038603
Material Nr. (12NC)	910502038603
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696870754
Numerator - Packs per outer box	1
EAN/UPC - Case	8718696870754

Dimensional drawing



SmartBalance Tunable White, recessed

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