

SmartBalance, recessed

RC482B LED35S/830 PSD W62L62 PCV MK W

SmartBalance module 625 - LED Module, system flux 3500 lm - 830 warm white - Power supply unit with DALI interface - Width 0.62 m, length 0.62 m - Plaster ceiling version - Mask - Plug-in connector 3-pole Wieland/Adels compatible

Many people are keen to apply recessed luminaires with a surface of light as an alternative to louver-type solutions. At the same time they expect the luminaires to be office norm-compliant as well as highly energy-efficient. Meeting all relevant office norms, SmartBalance recessed is the next step in surface-of-light recessed luminaires for the specification market. Thanks to state-of-the-art LED technology it not only offers increased energy efficiency compared with fluorescent, but is also visually appealing without being intrusive. For those looking for an exciting design element there are versions with inner masking. SmartBalance is also available in surface-mounted, suspended and free floor-standing versions.

Product data

General Information		Optical element	MK [Mask]
Number of light sources	1 [1 pc]	Optical cover/lens type	AC-MLO-R [Acrylate micro-lens optic with rectangle]
Lamp family code	LED35S [LED Module, system flux 3500 lm]	Luminaire light beam spread	130°
Light source color	830 warm white	Emergency lighting	No [-]
Cap-Base	- [-]	Embedded control	No [-]
Light source replaceable	No	Control interface	DALI
Number of gear units	1 unit	Connection	W [Plug-in connector 3-pole Wieland/Adels compatible]
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]	Cable	-
Driver included	Yes	Protection class IEC	Safety class I (I)
Optic type	No [-]		

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Glow-wire test	650/5 [Temperature 650 °C, duration 5 s]
Flammability mark	F [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
Product family code	RC482B [SmartBalance module 625]

Mech. Impact protection code	IK02 [0.2 J standard]
Initial Performance (IEC Compliant)	
Initial luminous flux (system flux)	3500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	91 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.43, 0.40) SDCM <3
Initial input power	38.5 W
Power consumption tolerance	+/-10%

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	1 ms
Power Factor (Min)	0.9

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

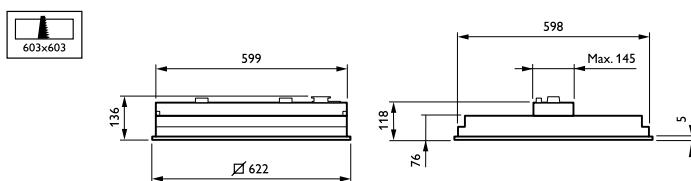
Mechanical and Housing	
Geometry	W62L62 [Width 0.62 m, length 0.62 m]
Housing configuration	PCV [Plaster ceiling version]
Housing Material	Steel
Reflector material	Polycarbonate
Optic material	-
Optical cover/lens material	Acrylate
Fixation material	-
Optical cover/lens finish	Textured
Overall length	622 mm
Overall width	622 mm
Overall height	136 mm

Application Conditions	
Ambient temperature range	+10 to +40 °C
Average ambient temperature	25 °C
Maximum dim level	1%
Suitable for random switching	No
Product Data	
Full product code	871794310428400
Order product name	RC482B LED35S/830 PSD W62L62 PCV MK W
EAN/UPC - Product	8717943104284
Order code	10428400
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910502027703
Net Weight (Piece)	7.600 kg

Approval and Application	
Ingress protection code	IP20 [Finger-protected]



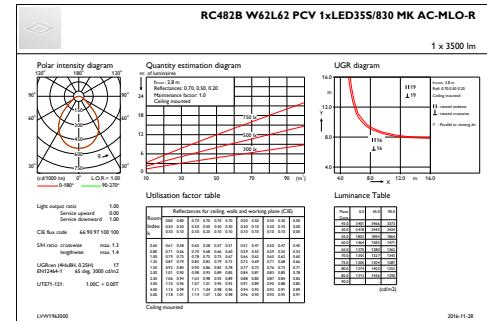
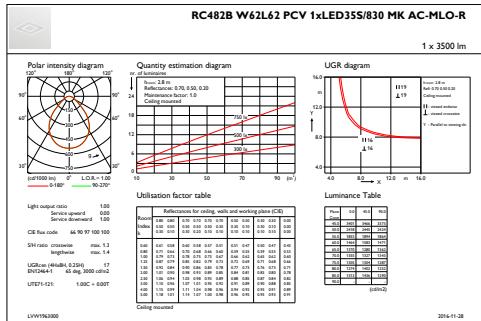
Dimensional drawing



SmartBalance RC480B/RC482B

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Photometric data



IFGU1_RC482BW62L62PCV1xLED35S830MKAC-MLO-R

IFPC1_RC482BW62L62PCV1xLED35S830MKAC-MLO-R



www.lighting.philips.com

2017, June 9 - data subject to change