

SmartBalance, recessed

RC482B LED35S/840 PSD W62L62 CPC MK PIP

SmartBalance module 625 - LED Module, system flux 3500 lm - 840 neutral white - Power supply unit with DALI interface - Width 0.62 m, length 0.62 m - Concealed profile ceiling version - Mask - Push-in connector and pull relief

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	
Number of light sources	1 [1 pc]
Lamp family code	LED35S [LED Module, system flux 3500 lm]
Beam angle of light source	- °
Light source colour	840 neutral white
Cap base	- [-]
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	
Optical element	MK [Mask]
Optical cover/lens type	AC-MLO-R [Acrylate micro-lens optic with rectangle]
Luminaire light beam spread	130°
Emergency lighting	No [-]
Embedded control	No [-]
Control interface	DALI
Connection	PIP [Push-in connector and pull relief]
Cable	-
Protection class IEC	Safety class I (I)

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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	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	3500 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	99 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	35.5 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 5,000 hours	1 %
Median useful life L70B50	70000 h
Median useful life L80B50	50000 h
Median useful life L90B50	25000 h

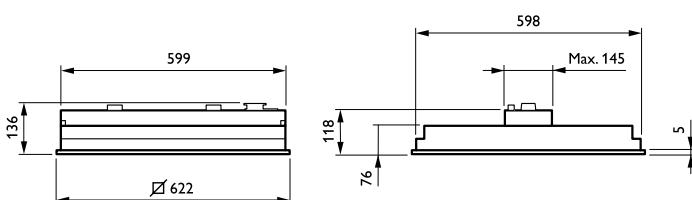
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Geometry	W62L62 [Width 0.62 m, length 0.62 m]
Housing configuration	CPC [Concealed profile ceiling version]
Housing material	Steel
Reflector material	Polycarbonate
Optic material	-
Optical cover/lens material	Acrylate
Fixation material	-
Optical 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 dimming level	1%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

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



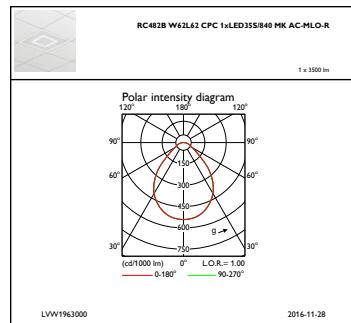
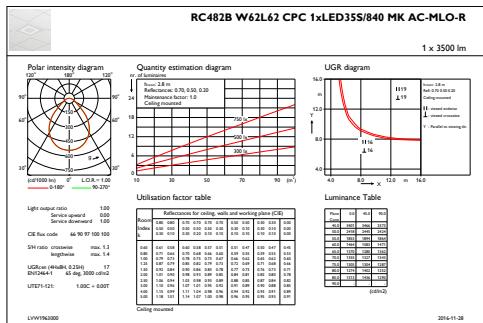
Dimensional drawing



SmartBalance RC480B/RC482B

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Photometric data



IFGU1_RC482BW62L62CPC1xLED35S840MKAC-MLO-R

IFPC1_RC482BW62L62CPC1xLED35S840MKAC-MLO-R

