SmartBalance, recessed

RC480B LED35S/840 PSD W60L60 CPC MK PIP

SmartBalance module 600, LED Module, system flux 3500 lm, 840 neutral white, Power supply unit with DALI interface, 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

Lamp family code	LED35S [LED Module, system flux 3500 lm]		useful life (B50) value also represents the B10 value.
Light source replaceable	No		Product family code	RC480B [SmartBalance module 600]
Number of gear units	Unit		Lighting Technology	LED
Driver included	Yes		Embedded control	–
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median		CE mark	Yes
			Warranty period	5 years
			Flammability mark	For mounting on normally flammable surfaces
			ENEC mark	ENEC plus mark
			Glow-wire test	Temperature 650 °C, duration 5 s

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EU RoHS compliant	Yes

Light Technical

Luminous Flux	3,500 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	101 lm/W
Colour rendering index (CRI)	≥80
Light source colour	840 neutral white
Optic type	–
Optical cover type	Acrylate micro-lens optic with rectangle
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	48 A
Inrush time	1 ms
Power Consumption	34.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	–
Number of products on MCB of 16 A type B	20

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/lens material	Acrylate
Fixation material	–
Housing Colour	White

Optical cover/lens finish	Textured
Overall length	597 mm
Overall width	597 mm
Overall height	136 mm
Dimensions (height x width x depth)	136 x 597 x 597 mm

Approval and Application

Ingress protection code	IP20 [Finger-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	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Yes

Product Data

Order product name	RC480B LED35S/840 PSD W60L60 CPC MK PIP
Full product name	RC480B LED35S/840 PSD W60L60 CPC MK PIP
Full EOC	871829127608100
Order code	27608100
Material no. (12 NC)	910502022403
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718291276081
Numerator – packs per outer box	1
EAN/UPC – Case	8718291276081

SmartBalance, recessed

Dimensional drawing

574

136

⌀ 597

573

Max. 145

118

76

5

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2023, April 29 – data subject to change