PHILIPS Lighting



SmartBalance, recessed

RC480B LED35S/840 PSD W30L120 VPC MK PIP

SmartBalance module 600, LED Module, system flux 3500 lm, 840 neutral white, Power supply unit with DALI interface, Pushin 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]
Light source replaceable	No
Number of gear units	Unit
Driver included	Yes
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

	useful life (B50) value also represents the B10
	value.
Product family code	RC480B [SmartBalance module 600]
Lighting Technology	LED
Embedded control	-
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

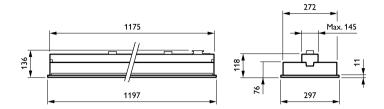
SmartBalance, recessed

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	20
В	
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	1,197 mm
Overall width	297 mm
Overall height	136 mm
Dimensions (height x width x depth)	136 x 297 x 1197 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 Comp	liant)
Control gear failure rate at median usefu	l 5%
life 50,000 h	
Lumen maintenance at median useful	L80
life* 50,000 h	
Application Conditions	
Performance ambient temperature Tq	25 ℃
Maximum dim level	1%
Suitable for random switching	Yes
Product Data	
Order product name	RC480B LED35S/840 PSD W30L120 VPC MK
	PIP
Full product name	RC480B LED35S/840 PSD W30L120 VPC MK
	PIP
Full EOC	871794310304100
Order code	10304100
Material no. (12 NC)	910502023403
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8717943103041
Numerator – packs per outer box	1
EAN/UPC - Case	8717943103041

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Dimensional drawing





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