



PowerBalance RC360B

RC360B LED34S/840 PSD W30L120 VPC PIP

PowerBalance recessed - LED Module, system flux 3400 lm - 840 neutral white - Power supply unit with DALI interface - Width 0.30 m, length 1.20 m - Visible profile ceiling version - Push-in connector and pull relief

When it comes to lighting an office space with LED luminaires, people are usually willing to invest in sustainability, provided the investment pays back. At the same time, the system should comply with office lighting norms in order to ensure a comfortable working environment. PowerBalance RC360 offers the ideal combination of sustainable performance and return on investment on the one hand, and compliance with relevant office norms on the other. It reduces energy costs by more than half compared to a T5 solution, and the light source also has a longer lifetime. This results in significantly lower operating costs, ensuring a payback that meets the needs of the specification market. The architecture of PowerBalance RC360 enables a range of highly versatile modular and semi-modular luminaires. These can be easily mounted in ceilings with exposed or concealed T-bars, as well as plaster ceilings and bandraaster-type ceilings.

Product data

General Information			
Number of light sources	1 [1 pc]	Number of gear units	1 unit
Lamp family code	LED34S [LED Module, system flux 3400 lm]	Gear	-
Light source colour	840 neutral white	Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Cap base	- [-]	Driver included	Yes
Light source replaceable	No	Optic type	No [-]
		Optical cover/lens type	PC [Polycarbonate bowl/cover]

PowerBalance RC360B

Luminaire light beam spread	86°
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)
Air handling	No [-]
Standard RAL colour	Signal white
Glow-wire test	850/5 [Temperature 850 °C, duration 5 s]
Flammability mark	F [For mounting on normally flammable surfaces]
Safety device	No [-]
CE mark	CE mark
ENEC mark	ENEC plus mark
UL mark	-
Warranty period	5 years
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.
Constant light output	No
Number of products on MCB	20
RoHS mark	RoHS mark
Accessory PFC	N/A
Product Family Code	RC360B [PowerBalance recessed]
Unified glare rating CEN	19

Operating and Electrical

Input voltage	220-240 V
Input frequency	50 to 60 Hz
Control signal voltage	0-16 V DC DALI
Inrush current	21 A
Inrush time	0.255 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Geometry	W30L120 [Width 0.30 m, length 1.20 m]
Housing configuration	VPC [Visible profile ceiling version]
Housing material	Steel
Reflector material	Polycarbonate
Optic material	-

Optical cover/lens material	Polycarbonate
Gear tray material	Steel
Fixation material	-
Optical cover/lens finish	Matte
Overall length	1197 mm
Overall width	297 mm
Overall height	95 mm
Colour	White RAL 9003

Approval and Application

Ingress protection code	IP20 [Finger-protected]
Mech. impact protection code	IK02 [0.2 J standard]

Initial Performance (IEC Compliant)

Initial luminous flux	3400 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	124 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3
Initial input power	27.5 W
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	L90

Application Conditions

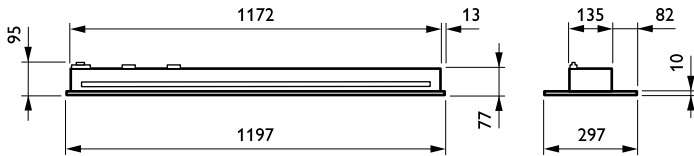
Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dimming level	1%
Suitable for random switching	No

Product Data

Full product code	871794311298200
Order product name	RC360B LED34S/840 PSD W30L120 VPC PIP
EAN/UPC – product	8717943112982
Order code	11298200
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910502030303
Net weight (piece)	5.300 kg

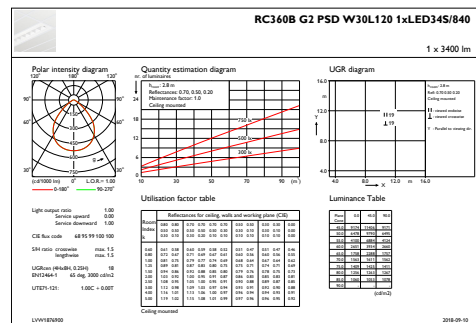
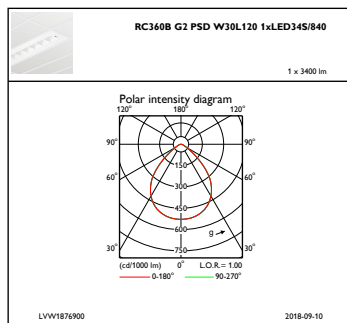
PowerBalance RC360B

Dimensional drawing



PowerBalance RC360B/RC362B

Photometric data



IFPC1_RC360BG2PSDW30L1201xLED34S840

IFGU1_RC360BG2PSDW30L1201xLED34S840

