

PowerBalance RC360B

RC362B LED28S/830 PSD W62L62 VPC PIP

PowerBalance recessed - LED Module, system flux 2800 lm - 830 warm white - Power supply unit with DALI interface - Width 0.62 m, length 0.62 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 bandraster-type ceilings.

Product data

General Information		Number of gear units	1 unit
Number of light sources	1 pc	Gear	-
Lamp family code	LED28S [LED Module, system flux 2800 lm]	Driver/power unit/transformer	Power supply unit with DALI interface
Light source color	830 warm white	Driver included	Yes
Cap-Base	- [-]	Optic type	-
Light source replaceable	No	Optical cover/lens type	Polycarbonate bowl/cover

PowerBalance RC360B

Luminaire light beam spread	86°
Emergency lighting	-
Embedded control	-
Control interface	DALI
Connection	Push-in connector and pull relief
Cable	-
Protection class IEC	Safety class I
Air-handling	-
Standard RAL color	Signal white
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	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	<p>*-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.</p>
Constant light output	No
Number of products on MCB of 16 A type	20
B	
RoHS mark	RoHS mark
Accessory PFC	N/A
Product family code	RC362B [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
Mechanical and Housing	
Geometry	Width 0.62 m, length 0.62 m
Housing configuration	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	622 mm
Overall width	622 mm
Overall height	86 mm

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 (system flux)	2800 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	126 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.43, 0.40) SDCM <3
Initial input power	23.5 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
life* 50000 h	

Application Conditions

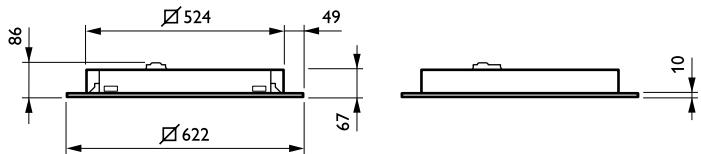
Ambient temperature range	+10 to +40 °C
Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	No

Product Data

Full product code	871869686931400
Order product name	RC362B LED28S/830 PSD W62L62 VPC PIP
EAN/UPC - Product	8718696869314
Order code	910502036203
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910502036203
Net Weight (Piece)	4.900 kg

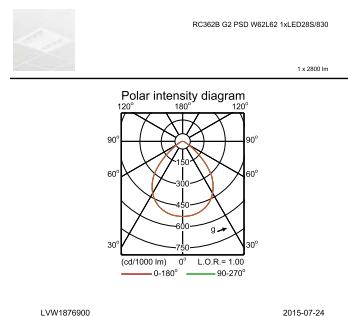
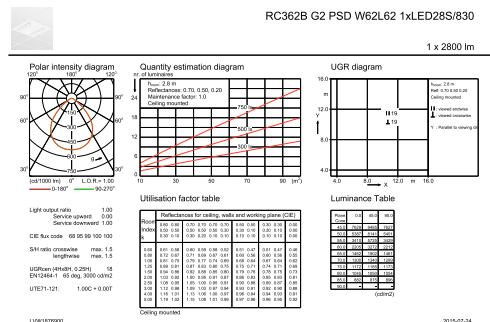
PowerBalance RC360B

Dimensional drawing



PowerBalance RC360B/RC362B

Photometric data



IFGU1_RC362B G2 PSD W62L62 1xLED28S830.EPS

IFPC1_RC362B G2 PSD W62L62 1xLED28S830.EPS

