

PowerBalance Tunable White, recessed

RC464B LED80S/TWH PSD W30L120 PCV PIP

PowerBalance recessed Tuneable WH - - - LED Module, system flux 8000 lm - Tunable white - Power supply unit with DALI interface - Width 0.30 m, length 1.20 m - Plaster ceiling version - - - - Push-in connector and pull relief - - - - -

The right light can have a favorable effect on various physiological processes in the human body. Statistically, 65% of office workers don't feel at their best before 9.00 hours. By giving them personal control over the lighting in their work space, so they can tailor it to suit the time of day and what they are doing, our PowerBalance Tunable White solution can enhance their comfort, task performance, and productivity. Similarly, in schools, PowerBalance Tunable White allows teachers to create the right mood to help pupils to concentrate, relax, etc., depending on the activity at hand, and so perform better overall.

Product data

General information		Driver/power unit/transformer	Power supply unit with DALI interface
Number of light sources	1 pc	Driver included	Yes
Lamp family code	LED80S [LED Module, system flux 8000 lm]	Optic type	-
Light source color	Tunable white	Optical cover/lens type	Polycarbonate bowl/cover
Cap-Base	- [-]	Luminaire light beam spread	86°
Light source replaceable	No	Emergency lighting	-
Number of gear units	1 unit	Embedded control	-
Gear	-	Control interface	DALI

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Connection	Push-in connector and pull relief
Cable	-
Protection class IEC	Safety class I
Air-handling	-
Glow-wire test	Temperature 850 °C, duration 5 s
Flammability mark	For mounting on normally flammable surfaces
Safety bracket	-
Safety device	No [-]
CE mark	CE mark
ENEC mark	ENEC plus mark
UL mark	-
Warranty period	3 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 of 16 A type B	20
RoHS mark	RoHS mark
Accessory PFC	N/A
Product family code	RC464B [PowerBalance recessed Tuneable WH]
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	5 A
Inrush time	1 ms
Power Factor (Min)	0.9

Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Geometry	Width 0.30 m, length 1.20 m
Housing configuration	Plaster ceiling version
Housing Material	Composite materials
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	79 mm
Color	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 (system flux)	8000 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	110 lm/W
Init. Corr. Color Temperature	2700 to 6400 K
Init. Color Rendering Index	≥80
Initial chromaticity	(0.31, 0.32) SDCM <3 to (0.43, 0.40) SDCM <3
Initial input power	73 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 dim level	1%
Suitable for random switching	No

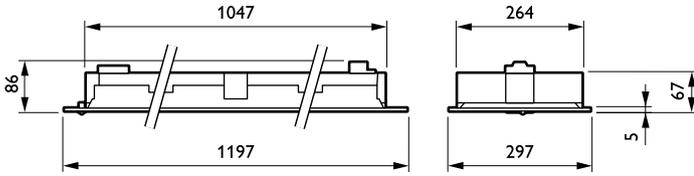
Product Data

Full product code	871869907169100
Order product name	RC464B LED80S/TWH PSD W30L120 PCV PIP
EAN/UPC - Product	8718699071691
Order code	910502054703
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910502054703
Net Weight (Piece)	5.600 kg



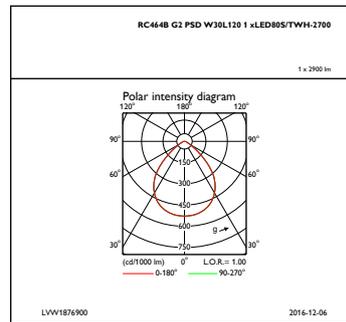
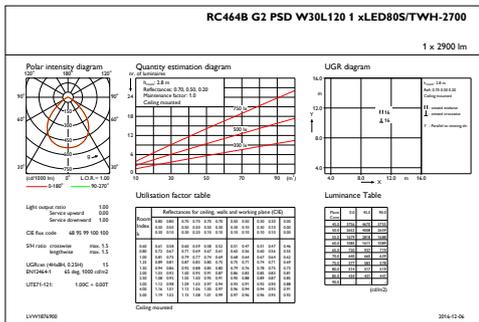
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Dimensional drawing



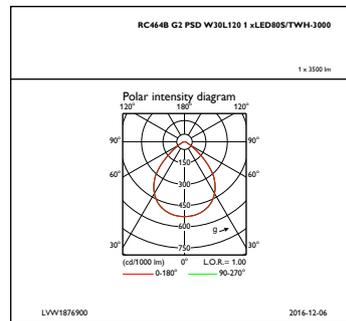
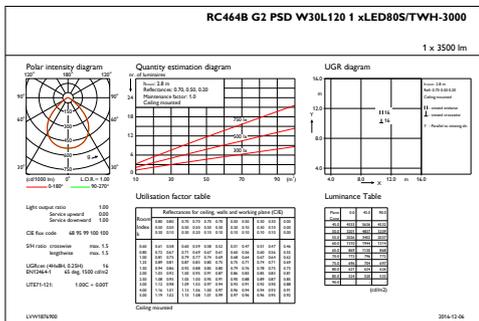
PowerBalance RC460B-RC468B

Photometric data



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IFPC1_RC464BG2PSDW30L1201xLED80STWH-2700

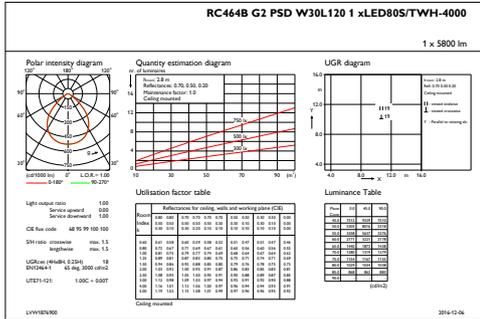


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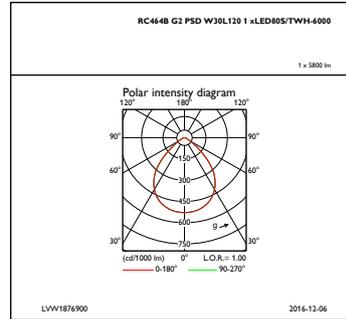
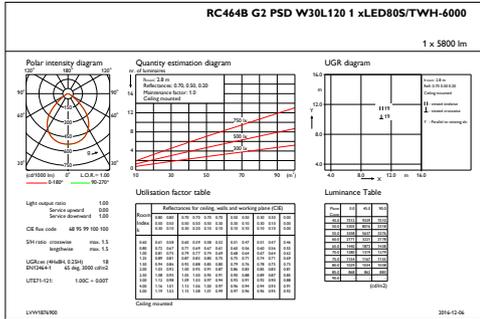
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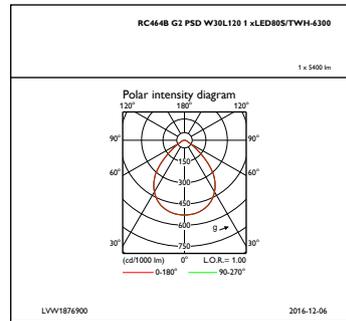
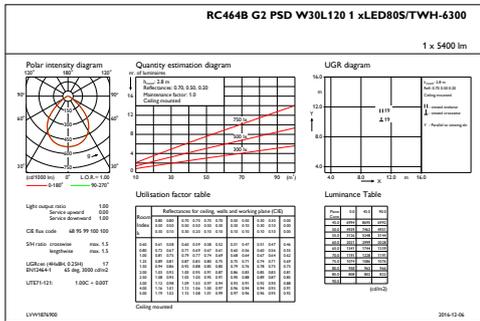
PowerBalance Tunable White, recessed

Photometric data



IFGU1_RC464BG2PSDW30L1201xLED80STWH-6000

IFPC1_RC464BG2PSDW30L1201xLED80STWH-6000



IFGU1_RC464BG2PSDW30L1201xLED80STWH-6300

IFPC1_RC464BG2PSDW30L1201xLED80STWH-6300

