PHILIPS

Lighting

CoreLine Recessed

RC120B LED27S/830 PSD W60L60 VAR-PC

RC120B - LED Module, system flux 2700 lm - 830 warm white - Power supply unit with DALI interface - Width 0.60 m, length 0.60 m - Variable linear-lens array in polycarbonate cover

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Recessed range of LED products can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Product data

General Information	
Number of light sources	2 pcs
Lamp family code	LED27S [LED Module, system flux 2700 lm]
Light source color	830 warm white
Cap-Base	- [-]
Light source replaceable	No
Gear	EB [Electronic]
Driver/power unit/transformer	Power supply unit with DALI interface
Driver included	Yes
Optical cover/lens type	Variable linear-lens array in polycarbonate cover
Emergency lighting	-
Connection	Push-in connector and pull relief
Cable	-
Protection class IEC	Safety class I
Color	White
Glow-wire test	Temperature 850 °C, duration 30 s

Flammability mark	For mounting on normally flammable surfaces
Safety device	SC [Safety cable]
CE mark	CE mark
ENEC mark	ENEC mark
UL mark	-
Product family code	RC120B

Operating and Electrical	
Input Voltage	220 to 240 V
Input Frequency	50 to 60 Hz

Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Geometry	Width 0.60 m, length 0.60 m

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Housing Material	Steel
Reflector material	Steel
Optical cover/lens material	Polycarbonate
Gear tray material	Steel
Fixation material	Steel

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	2700 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	115 lm/W
Init. Corr. Color Temperature	3000 K
Init. Color Rendering Index	≥80
Initial chromaticy	(0.38, 0.38) SDCM <3
Initial input power	23.5 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

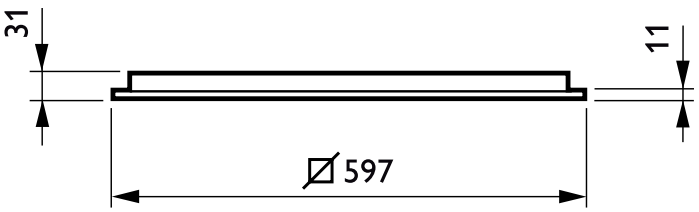
Application Conditions

Ambient temperature range	+10 to +40 °C
Average ambient temperature	25 °C
Maximum dim level	1%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

Full product code	871829126657000
Order product name	RC120B LED27S/830 PSD W60L60 VAR-PC
EAN/UPC - Product	8718291266570
Order code	910501997003
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	910501997003
Net Weight (Piece)	2.600 kg

Dimensional drawing



CoreLine Recessed RC120B/RC122B

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