PHILIPS

RC132V G6 50S/840 PSD W60L60 OC BN

911401870888



Multi ColorTemp

CoreLine Panel gen6, 38 W, 5000 lm, 4000 K, CRI>80, UGR19

Visible profile ceiling version, Steel, White, Power supply unit with DALI interface, All-in, Multi Color Temperature, 5000 lm, 38 W, 130 lm/W, 4000 K, (0.3818,0.3818)SDCM<5, CRI>80, UGR19, Symmetrical, Microprismatic lens, Polystyrene, IP20/40 | Finger-protected, Emitting surface, IK02 | 0.2 J standard, Safety class II, 2×0.75mm², Flying leads/wires

General Information

Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Sustainability rating	Unclassified
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	5,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	130 lm/W
Color rendering index (CRI)	>80
Beam angle of light source	90 degree(s)
Light source color	Multi Color Temperature
Optic type	Symmetrical
Luminaire light beam spread	90°

Unified glare rating CEN	19
All-in Type	All-in, Multi Color Temperature

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	26.8 A
Inrush time	0.264 ms
Power Consumption	38 W
Power Factor (Fraction)	0.90
Connection	Flying leads/wires
Cable	2×0.75mm²
Number of products on MCB of 16 A type B	15
Suitable for random switching	Yes
Protection class IEC	Safety class II

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Constant light output	No
DALI Standard	DALI-2™
Maximum dim level	1%

Mechanical and Housing

Housing Material	Steel
Reflector material	Steel
Optic material	Polymethyl methacrylate
Optical cover material	Polystyrene
Fixation material	-
Housing Color	White
Optical cover finish	Microprismatic lens
Overall length	595 mm
Overall width	595 mm
Overall height	61 mm
Dimensions (Height x Width x Depth)	61 x 595 x 595 mm
Compatible ceiling or ceiling installation accessory type	Visible profile ceiling version
Ingress protection code	IP20/40 [Finger-protected, Emitting surface]
Mech. impact protection code	IK02 [0.2 J standard]
Net Weight (Piece)	2.100 kg

Emergency Operation

Central Emergency	No

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
Photobiological risk	Photobiological risk group 0 @200mm to EN62778
Photobiological risk specification	0.2 m
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Ambient temperature range	-10 to +35 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.3818,0.3818)SDCM<5
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L85
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Sustainability Data

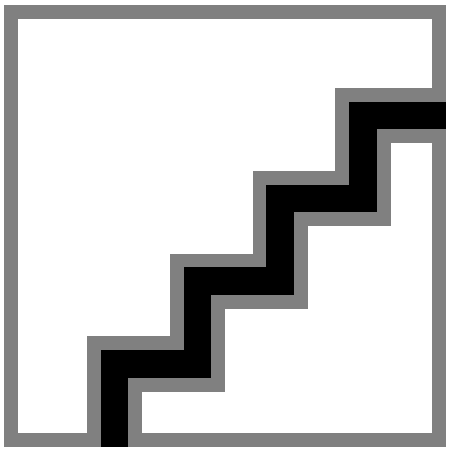
Repair class	Repair Class B, the driver and light source of this luminaire can be replaced by a service technician. Parts and documentation are available for an extended period of time.
Embedded carbon (A1-A3)	24.6 kg CO_2e
Product non-virgin material ratio	10.1 %
Recyclable content ratio of the finished product	47.9 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

Product Data

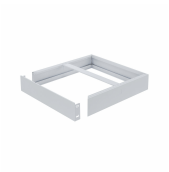
Order product name	RC132V G6 50S/840 PSD W60L60 OC BN
Full product name	RC132V G6 50S/840 PSD W60L60 OC BN
Full product code	872110334425099
Order code	911401870888
Material Nr. (12NC)	911401870888
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103344250
Numerator - Packs per outer box	4
EAN/UPC - Case	8721103344267

Dimensional drawing

Polar normal diagrams



Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	Website
	911401807787	RC159Z SMB W60L60	Product Website
	911401809187	RC159Z Safety Cable	Product Website
	911401809287	RC159Z Plaster Ceiling SMB-PLC	Product Website
	911401809387	RC159Z Suspension set SME-4 WH	Product Website
	911401870988	RC159Z SMB W60L60 PREF	Product Website
	911401888587	RC159Z CPC bracket kit	Product Website

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	CoreLine-panel-G6-Installation-Instructions-RC132V-BN-v2.pdf	Download
Environmental Product Declaration	EPD-CoreLine-Panel-gen6-RC132V-W60L60-Ref-911401890585.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	rc132v-g6-50s-840-psd-w60l60-oc-bn-911401870888.ies	Download
LDT File	rc132v-g6-50s-840-psd-w60l60-oc-bn-911401870888.ldt	Download
ROLF File	rc132v-g6-50s-840-psd-w60l60-oc-bn-911401870888.rolfz	Download
ULD File	rc132v-g6-50s-840-psd-w60l60-oc-bn-911401870888.uld	Download
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