PHILIPS

RC136B G4
36_45_60S/840 PSD
W30L120 OC
911401840887



Multi Lumen

CoreLine recessed gen 4, All-in, 38.5 W, 23 W, 1200x300 mm, VPC, 3600 lm, 4500 lm, 6000 lm, 4000 K, DALI, UGR19, EL-ready

1200x300 mm, Visible profile ceiling version, Steel, White, Signal white (RAL9003), Power supply unit with DALI interface, All-in, Multi Lumen, 3600 lm, 4500 lm, 6000 lm, 38.5 W, 23 W, 157 lm/W, 155 lm/W, 4000 K, (0.38.0.38)SDCM<3, UGR19, Wide beam office compliant, Microprismatic lens, Polycarbonate, IP20/44 | Finger-protected; wire-protected, splash-proof, IK03 | 0.35 J reinforced, Safety class II, Cable without plug 5-pole, Push-in connector 4-pole, SC | Safety cable, Self-contained emergency lighting is possible when used with a compatible battery kit accessory

General Information

Number of gear units	1 unit
Driver included	Yes
Sustainability rating	Unclassified
Service tag	No
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	3,600 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	157 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Wide beam office compliant
Luminaire light beam spread	80°
Unified glare rating CEN	19
All-in Type	All-in, Multi Lumen

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Inrush current	5.33 A
Inrush time	0.04 ms
Power Consumption	38.5 W
Power Factor (Fraction)	0.9
Connection	Push-in connector 4-pole
Cable	Cable without plug 5-pole
Number of products on MCB of 16 A type B	73
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
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™

Mechanical and Housing

Housing Material	Steel
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	-
Housing Color	White
Optical cover finish	Microprismatic lens
Overall length	1,195 mm
Overall width	295 mm
Overall height	38.5 mm
Dimensions (Height x Width x Depth)	39 x 295 x 1195 mm
Compatible ceiling or ceiling installation accessory type	Visible profile ceiling version
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.35 J reinforced]
Safety device	SC [Safety cable]
Net Weight (Piece)	2.950 kg

Emergency Operation

Emergency flux	380 lm
Central Emergency	No
Emergency lighting	Self-contained emergency lighting is possible when used with a compatible battery kit accessory

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
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-10 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38.0.38)SDCM<3
Power consumption tolerance	+/-10%

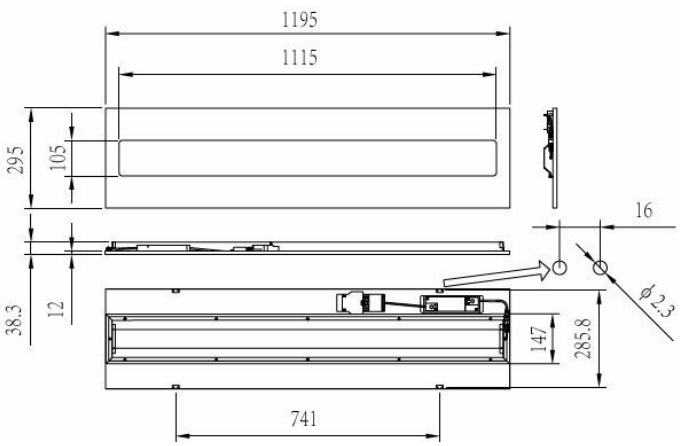
Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Sustainability Data

Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	29.3 kg CO_2e
Product non-virgin material ratio	21.9 %
Recyclable content ratio of the finished product	68.1 %
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

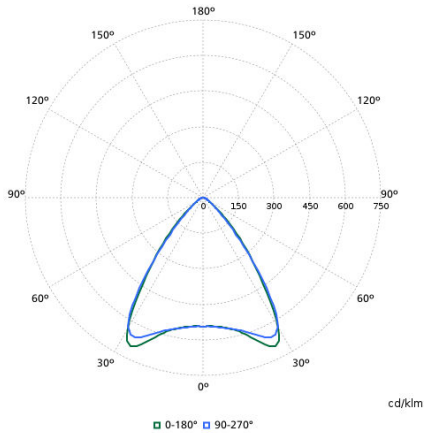
Dimensional drawing



Product Data

Order product name	RC136B G4 36_45_60S/840 PSD W30L120 OC
Full product name	RC136B G4 36_45_60S/840 PSD W30L120 OC
Full product code	872016976413299
Order code	911401840887
Material Nr. (12NC)	911401840887
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169764132
Numerator - Packs per outer box	4
EAN/UPC - Case	8720169764415

Polar normal diagrams



Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	Website
	911401807987	RC159Z SMB W30L120	Product Website
	911401809287	RC159Z Plaster Ceiling SMB-PLC	Product Website
	911401809387	RC159Z Suspension set SME-4 WH	Product Website
	911401871188	RC159Z SMB W30L120 PREF	Product Website
	912401483602	EM300V ELB_ELP3 kit LV 3.6V 4800mAh LIB	Product Website

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	EPD-Philips-RC136B-G4-36-45-60S-840-PSD-W30L120-OC-Coreline-recessed-911401840887.pdf	Download
Installation Instructions	Installation-instructions-CoreLine-recessed-Gen4v2.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	rc136b-g4-36-45-60s-840-psd-w30l120-oc-911401840887.ies	Download
LDT File	rc136b-g4-36-45-60s-840-psd-w30l120-oc-911401840887.ldt	Download
ROLF File	rc136b-g4-36-45-60s-840-psd-w30l120-oc-911401840887.rolfz	Download
ULD File	rc136b-g4-36-45-60s-840-psd-w30l120-oc-911401840887.uld	Download
Revit file	rc136b-g4-36-45-60s-840-psd-w30l120-oc-911401840887.zip	Download

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