CoreLine Panel gen6

RC132V G6 43S/840 SIA W60L60 OC IA4

CoreLine Panel gen6, 32 W, 600x600 mm, VPC, 4300 lm, 4000 K, Sensor-based dim, UGR19, IA4

Philips CoreLine panel Gen6 delivers on the CoreLine promise of innovation, easy installation, and excellent illumination. Designed as a direct replacement for functional luminaires in general lighting applications, this LED panel light's innovative All-in feature offers a choice of three lumen packages and three-color temperatures in a single luminaire. This makes it easy to select the right product, gives you the flexibility respond to customer preferences on site, and means fewer product codes on stock. Installing the CoreLine RC132V LED panel is quick and easy, using the product's quick connector or flywire. The CoreLine range includes Interact Ready luminaires with integrated wireless communications, ready to be used with Interact gateways, sensors, and software.

Product data

General Information

Number of gear units	Unit
Driver included	Yes
Service Tag	Yes
Value ladder	Performance
Serviceability class	Class C, luminaire without serviceable parts, not serviceable
Warranty period	5 years
Sustainability rating	–

Light Technical

Luminous Flux	4,300 lm
Saturated Red (R9)	80

Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	135 lm/W
Colour rendering index (CRI)	>80
Beam angle of light source	90 degree(s)
Light source colour	840 neutral white
Optic type	Beam angle 90°
Luminaire light beam spread	90°
Unified Glare Rating (CEN)	19

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Initial CLO power consumption	– W

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Average CLO power consumption	– W
Inrush current	9 A
Inrush time	0.25 ms
Power Consumption	32 W
Power Factor (Fraction)	0.9
Connection	2 push-in connectors 2-pole
Cable	Cable 0.3 m with connector 2-pole
Number of products on MCB (16 A type B)	32
Suitable for random switching	No
Protection class IEC	Safety class II
Feed-through wiring	–
Total harmonic distortion	20 %

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI and SystemReady interface, Interact-ready
Control interface	Sensor-based dim
Constant light output	No
Maximum dim level	10%
Embedded control	Interact SNS210 sensor
Photocell	–

Mechanical and Housing

Housing material	Steel
Reflector material	Polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	–
Housing Colour	White
Optical cover/lens finish	–
Reflector finish	White reflector
Overall length	595 mm
Overall width	595 mm
Overall height	73 mm
Dimensions (height x width x depth)	73 x 595 x 595 mm
Compatible ceiling or ceiling installation accessory type	Visible profile ceiling version
Ingress protection code	IP20 [No protection]
Mech. impact protection code	IK02 [0.2 J standard]
Explosion hazard class	–
Mounting	Ceiling
Safety device	SC [Safety cable]
Net Weight (Piece)	2.500 kg

Emergency Operation

Central Emergency	No

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	–
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)	1
Stroboscopic effect	0.4
Ambient temperature range	0°C to 35°C

Initial Performance (IEC Compliant)

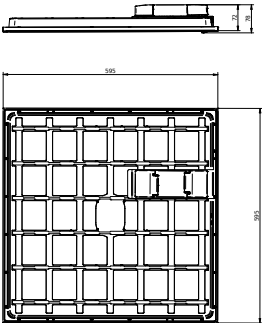|	
Luminous flux tolerance	–10% / +10%
Initial chromaticity	(0.38, 0.38) SDCM ≤3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

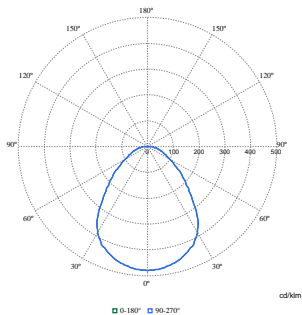|	
Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 35000 h	–
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 75000 h	–
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

Product Data

Order product name	RC132V G6 43S/840 SIA W60L60 OC IA4
Full product name	RC132V G6 43S/840 SIA W60L60 OC IA4
Full EOC	872016958859200
Order code	58859200
Material no. (12 NC)	910505102802
Numerator – quantity per pack	1
EAN/UPC — Product/Case	8720169588592
Numerator – packs per outer box	1
EAN/UPC – Case	8720169588592

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Dimensional drawing

Photometric data

Polar Normal (separate) – RC132VI – 910505102802

www.lighting.philips.com

2024, September 26 – data subject to change