Philips CoreLine panel: easy installation, excellent illumination

CoreLine Panel gen6

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.

Benefits
- Low-risk, reliable products
- Work faster with these easy-to-install products
- No confusion with easy product selection
- Stay relevant by joining IoT / connected lighting systems

CoreLine Panel gen6

Features
- L90@50K hrs/ L80@100K hrs with 5-year warranty
- Quick connector (green/white, Flywire, WAGO, and Schuko)
- High lumen office-compliant and non-office compliant versions
- CRI 80/CRI 90 at SDCM <3
- CRI 80 4000 K 140 lm/Wand 3000 K > 130 lm/W, CRI 90 >115 lm/W
- UltraEfficient 4000 K >160 lm/W
- All-in: multiple lumen packages and color temperatures in one luminaire

Application
- Offices
- Healthcare
- Municipal buildings
- Education

Versions

CoreLine panel G5 SIA with Sensor front side
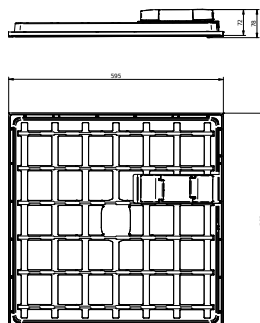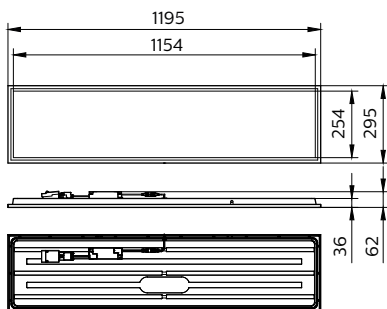
CoreLine panel G6 W30L120 RTP

CoreLine panel G6 W60L60 RTP
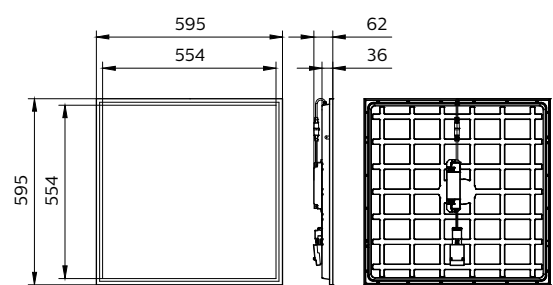
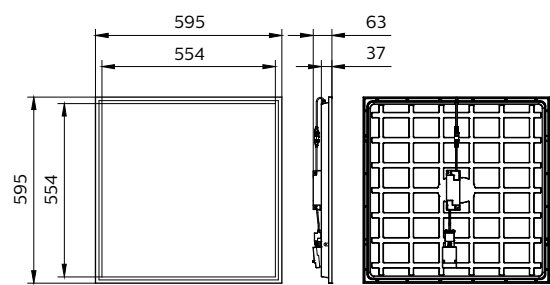Philips CoreLine panel G6 All in W60L60

Dimensional drawing
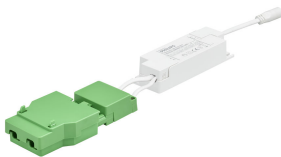
CoreLine Panel gen6

Dimensional drawing

Product details

CoreLine panel G6 PSU Green connector fits Wieland W3 connector

CoreLine panel G6 PSU driver DPP

CoreLine panel G6 side angle DPP

CoreLine panel G6 PSU W60L60 back side DPP

CoreLine panel G6 PSU W30L120 back side DPP

CoreLine panel G6 NOC Optical window DPP

CoreLine Panel gen6

Product details
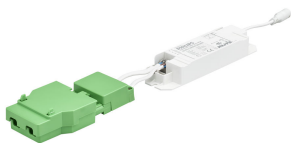
CoreLine panel G6 All in driver open DPP

CoreLine panel G6 All in driver DPP

CoreLine panel G6 PSU driver open DPP

CoreLine panel G6 W60L60 OC Optical window DPP

CoreLine Panel gen6

CoreLine Panel gen6

General Information

Driver included	Yes
Number of gear units	1 unit
Service tag	Yes

Light Technical

Color rendering index (CRI)	>80

Operating and Electrical

Protection class IEC	Safety class II

Controls and Dimming

Dimmable	No
Maximum dim level	Not applicable

Mechanical and Housing

Explosion hazard class	–

Emergency Operation

Central Emergency	No

Approval and Application

CE mark	Yes
ENEC mark	ENEC mark
Glow-wire test	Temperature 650 °C, duration 30 s
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4

Initial Performance (IEC Compliant)

Luminous flux tolerance	–10% / +10%

Light Technical (1/2)

Order Code	Full Product Name	All-in Type	Beam angle of light source	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)
910505102802	RC132V G6 43S/840 SIA W60L60 OC IA4	–	90 degree(s)	4000 K	132 lm/W
911401890485	RC132V G6 36S/840 PSU W30L120 NOC	–	120 degree(s)	4000 K	138 lm/W
911401807687	RC132V G6 34S/830 PSU W60L60 OC	–	90 degree(s)	3000 K	131 lm/W
911401801287	RC132V G6 29_36_43S/ 830_40 PSU W60L60NOC	All-in, Multi Lumen	120 degree(s)	3000 K	141 lm/W

Light Technical (2/2)

Order Code	Full Product Name	Luminous Flux	Optic type
910505102802	RC132V G6 43S/840 SIA W60L60 OC IA4	4,300 lm	Beam angle 90°
911401890485	RC132V G6 36S/840 PSU W30L120 NOC	3,600 lm	Beam angle 120°
911401807687	RC132V G6 34S/830 PSU W60L60 OC	3,400 lm	Beam angle 90°
911401801287	RC132V G6 29_36_43S/830_40 PSU W60L60NOC	2,900 lm	Beam angle 120°

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Line Frequency	Power Consumption	Suitable for random switching
910505102802	RC132V G6 43S/840 SIA W60L60 OC IA4	220-240 V	50 to 60 Hz	32 W	No
911401890485	RC132V G6 36S/840 PSU W30L120 NOC	220 to 240 V	50 or 60 Hz	26 W	Not applicable
911401807687	RC132V G6 34S/830 PSU W60L60 OC	220 to 240 V	50 or 60 Hz	26 W	Not applicable
911401801287	RC132V G6 29_36_43S/	220 to 240 V	50 or 60 Hz	31 W	Not applicable

CoreLine Panel gen6

Order Code	Full Product Name	Input Voltage	Line Frequency	Power Consumption	Suitable for random switching
	830_40 PSU W60L60NOC				

Controls and Dimming

Order Code	Full Product Name	Embedded control
910505102802	RC132V G6 43S/840 SIA W60L60 OC IA4	Interact SNS210 sensor
911401890485	RC132V G6 36S/840 PSU W30L120 NOC	–

Order Code	Full Product Name	Embedded control
911401807687	RC132V G6 34S/830 PSU W60L60 OC	–
911401801287	RC132V G6 29_36_43S/830_40 PSU W60L60NOC	–

Mechanical and Housing

Order Code	Full Product Name	Housing Color	Mech. impact protection code	Ingress protection code
910505102802	RC132V G6 43S/840 SIA W60L60 OC IA4	White RAL 9003	IK02	IP20
911401890485	RC132V G6 36S/840 PSU W30L120 NOC	White	IK03	IP20/44

Order Code	Full Product Name	Housing Color	Mech. impact protection code	Ingress protection code
911401807687	RC132V G6 34S/830 PSU W60L60 OC	White	IK02	IP20/44
911401801287	RC132V G6 29_36_43S/830_40 PSU W60L60NOC	White	IK03	IP20/44

Approval and Application

| Order Code	Full Product Name	Ambient temperature range	Flammability mark
910505102802	RC132V G6 43S/840 SIA W60L60 OC IA4	0 °C to 35 °C	–
911401890485	RC132V G6 36S/840 PSU W30L120 NOC	–10 to +35 °C	For mounting on normally flammable surfaces
911401807687	RC132V G6 34S/830 PSU W60L60 OC	–10 to +35 °C	For mounting on normally flammable surfaces

| Order Code	Full Product Name	Ambient temperature range	Flammability mark
911401801287	RC132V G6 29_36_43S/830_40 PSU W60L60NOC	–10 to +35 °C	For mounting on normally flammable surfaces

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
910505102802	RC132V G6 43S/840 SIA W60L60 OC IA4	(0.38, 0.38) SDCM ≤3
911401890485	RC132V G6 36S/840 PSU W30L120 NOC	(0.38, 0.38) SDCM ≤3
911401807687	RC132V G6 34S/830 PSU W60L60 OC	(0.43, 0.40) SDCM ≤3

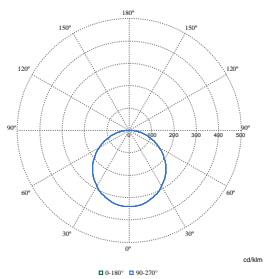| Order Code	Full Product Name	Initial chromaticity
911401801287	RC132V G6 29_36_43S/830_40 PSU W60L60NOC	(0.38, 0.38) SDCM ≤3

Polar Wide Diagrams
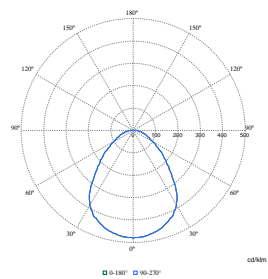
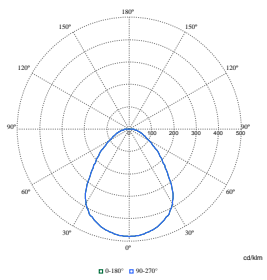**Polar Normal (separate) – RC132VI –
910505102802**
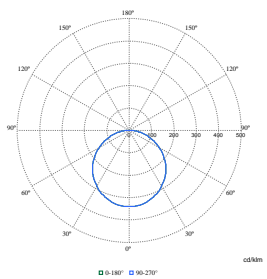
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Polar Normal (separate) – null – 911401801287

Polar Normal (separate) – null – 911401807687

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2024, November 27 – data subject to change