PHILIPS

CoreLine surface mounted gen 4

SM136V



Install smarter, finish sooner. Choose long-lasting reliability and performance

Introducing Philips CoreLine surface-mounted gen4, a family of high-quality and innovative light fixtures designed to deliver energy-efficient and long-lasting illumination for your home or office. With higher lumen packages up to 6800 lm, improved efficiency of up to 160 lm/W, and a longer lifetime of L90@50K hrs/ L80@100K hrs, our CoreLine family provides bright and long-lasting illumination. Our surface-mounted light fixtures feature DC plugs in all versions, packaging from a single box to 4-in-1, and plastics-free packaging, making them eco-friendly and cost-effective. Our CoreLine surface-mounted gen4 features the same green quick connectors as the CoreLine panel, and is compatible with Wieland GSTi3 and GST/5 connectors. Upgrade your lighting today with Philips CoreLine surface-mounted gen4, a high-quality and innovative solution that delivers on the Philips promise of energy-efficient and long-lasting illumination.

Benefits

- Energy-efficient: Our state-of-the-art LED technology ensures that CoreLine surface-mounted gen4 is both eco-friendly and cost-effective, saving you money on your energy bills while helping to reduce your carbon footprint.
- Bright and effective: With higher lumen packages up to 6800 lm, CoreLine surface-mounted gen4 provides bright and effective illumination for your home or office.
- Easy installation: Quick connectors make installation a breeze, ensuring a hassle-free and user-friendly experience.
- Modern design: With its sleek and modern design, CoreLine surface-mounted gen4 blends seamlessly with any interior décor, enhancing the atmosphere of any space.
- Long-lasting: Improved efficiency and lifetime ensure long-lasting and eco-friendly lighting that will last for years to come.

Features

- Higher lumen packages: up to 6800 lm (replacing 2 x 58W conventional light sources) for bright and effective illumination
- Improved efficiency: up to 160 lm/W for energy-saving and eco-friendly lighting
- Improved lifetime: L90@50K hrs/ L80@100K hrs for long-lasting and durable lighting
- Plastics-free packaging for an eco-friendly solution
- EPDs available for all listed products
- Improved all-in driver: more user-friendly, with no dipswitches for ease of use

Applications

- Offices
- Healthcare
- Education

Versions



CoreLine surface mounted G4 W20L120

CoreLine surface mounted G4 W20L157

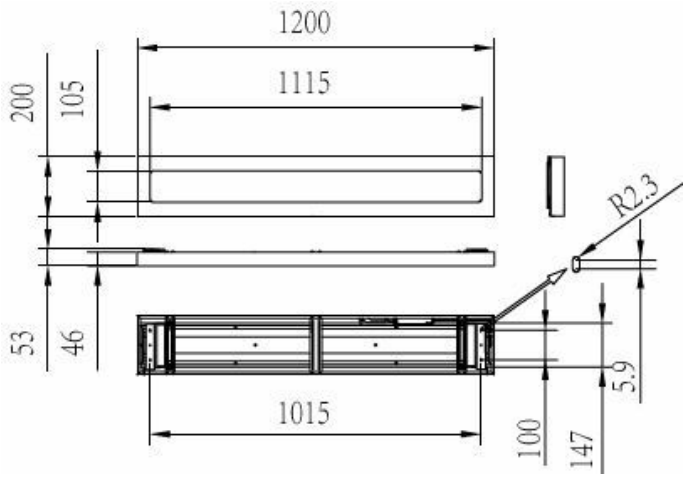


CoreLine surface mounted G4 W20L120 All-in

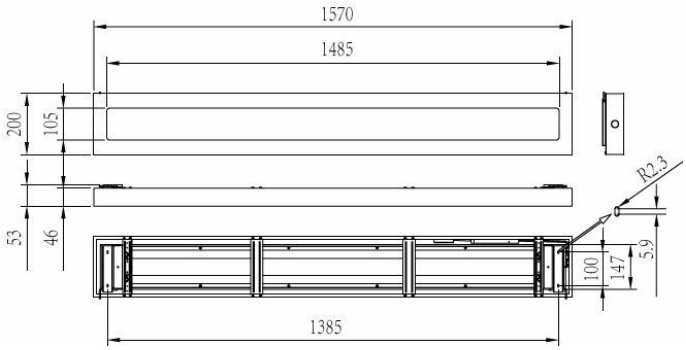


CoreLine surface mounted G4 W20L157 All-in

Dimensional drawing



SM136V G4 40S/830 WIA W20L120 OC



SM136V G4 36_45_68S/840 PSU W20L157 OC

Product details



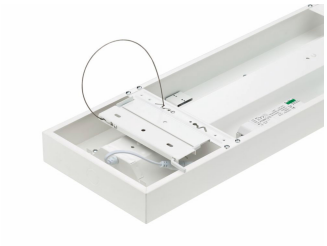
CoreLine surface mounted G4 NOC Optical window



CoreLine surface mounted G4 W20L120 DPP



CoreLine surface mounted G4 PSU back side



CoreLine surface mounted G4 SafetyCable



CoreLine surface mounted G4 WIA back side-02



CoreLine surface mounted G4 OC Optical window

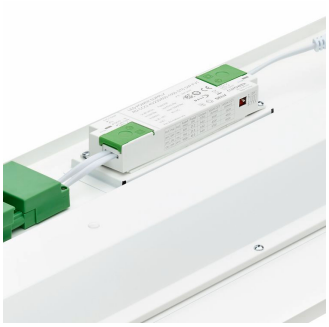


CoreLine surface mounted G4 PSU back side



CoreLine G4 PSU All in lumen selectable side

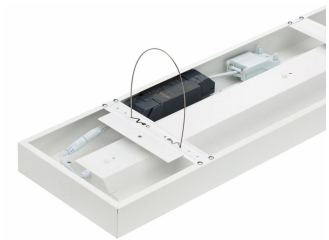
CoreLine surface mounted G4 W20L157 DPP



CoreLine surface mounted G4 PSD back side detail dipswitches



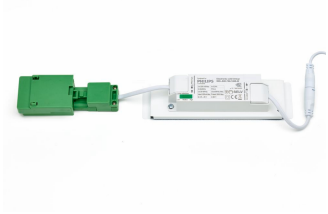
CoreLine G4 PSD All in lumen selectable back



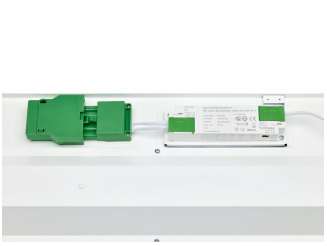
CoreLine surface mounted G4 WIA back side-01



CoreLine surface mounted G4 WIA back side



CoreLine G4 PSU All in lumen selectable back



CoreLine G4 PSD All in lumen selectable side

General Information

Number of gear units	1 unit
Driver included	Yes
Service tag	No

Light Technical

Color rendering index (CRI)	>80
All-in Type	All-in, Multi Lumen

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Suitable for random switching	Yes
Protection class IEC	Safety class II

Mechanical and Housing

Housing Color	White
Ingress protection code	IP20/44 [Finger-protected; wire-protected, splash-proof]
Mech. impact protection code	IK03 [0.35 J reinforced]

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
Ambient temperature range	-10 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%

Light Technical

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Optic type
911401842087	SM136V G4 40S/830 WIA W20L120 OC	4,000 lm	3000 K	145 lm/W	Wide beam office compliant
911401842187	SM136V G4 43S/840 WIA W20L120 OC	4,300 lm	4000 K	156 lm/W	Wide beam office compliant
911401842687	SM136V G4 40S/830 WIA W20L157 OC	4,000 lm	3000 K	145 lm/W	Wide beam office compliant
911401842787	SM136V G4 43S/840 WIA W20L157 OC	4,300 lm	4000 K	156 lm/W	Wide beam office compliant
911401841687	SM136V G4 36_45_60S/840 PSU W20L120 NOC	3,600 lm 4,500 lm 6,000 lm	4000 K	157 lm/W 155 lm/W	Very wide beam
911401841787	SM136V G4 36_45_60S/840 PSU W20L120 OC	3,600 lm 4,500 lm 6,000 lm	4000 K	157 lm/W 155 lm/W	Wide beam office compliant
911401841887	SM136V G4 34_43_57S/830 PSD W20L120 OC	3,400 lm 4,300 lm 5,700 lm	3000 K	148 lm/W 148 lm/W	Wide beam office compliant

Order Code	Full Product Name	Luminous Flux	Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Optic type
911401841987	SM136V G4 36_45_60S/840 PSD W20L120 OC	3,600 lm 4,500 lm 6,000 lm	4000 K	157 lm/W 155 lm/W	Wide beam office compliant
911401842287	SM136V G4 36_45_68S/840 PSU W20L157 OC	3,600 lm 4,500 lm 6,800 lm	4000 K	160 lm/W 155 lm/W	Wide beam office compliant
911401842387	SM136V G4 34_43_65S/830 PSU W20L157 OC	3,400 lm 4,300 lm 6,500 lm	3000 K	151 lm/W 148 lm/W	Wide beam office compliant
911401842487	SM136V G4 36_45_68S/840 PSD W20L157 OC	3,600 lm 4,500 lm 6,800 lm	4000 K	160 lm/W 155 lm/W	Wide beam office compliant
911401842587	SM136V G4 34_43_65S/830 PSD W20L157 OC	3,400 lm 4,300 lm 6,500 lm	3000 K	151 lm/W 148 lm/W	Wide beam office compliant

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401842087	SM136V G4 40S/830 WIA W20L120 OC	27.5 W
911401842187	SM136V G4 43S/840 WIA W20L120 OC	27.5 W
911401842687	SM136V G4 40S/830 WIA W20L157 OC	27.5 W
911401842787	SM136V G4 43S/840 WIA W20L157 OC	27.5 W
911401841687	SM136V G4 36_45_60S/840 PSU W20L120 NOC	38.5 W 23 W
911401841787	SM136V G4 36_45_60S/840 PSU W20L120 OC	38.5 W 23 W
911401841887	SM136V G4 34_43_57S/830 PSD W20L120 OC	38.5 W 23 W
911401841987	SM136V G4 36_45_60S/840 PSD W20L120 OC	38.5 W 23 W
911401842287	SM136V G4 36_45_68S/840 PSU W20L157 OC	43.5 W 22.5 W
911401842387	SM136V G4 34_43_65S/830 PSU W20L157 OC	43.5 W 22.5 W
911401842487	SM136V G4 36_45_68S/840 PSD W20L157 OC	43.5 W 22.5 W
911401842587	SM136V G4 34_43_65S/830 PSD W20L157 OC	43.5 W 22.5 W

Controls and Dimming

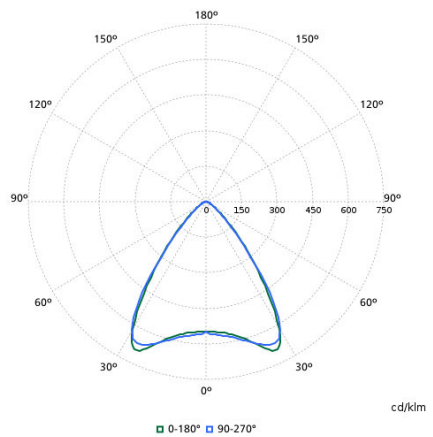
Order Code	Full Product Name	Dimmable
911401842087	SM136V G4 40S/830 WIA W20L120 OC	Yes
911401842187	SM136V G4 43S/840 WIA W20L120 OC	Yes
911401842687	SM136V G4 40S/830 WIA W20L157 OC	Yes
911401842787	SM136V G4 43S/840 WIA W20L157 OC	Yes
911401841687	SM136V G4 36_45_60S/840 PSU W20L120 NOC	No

Order Code	Full Product Name	Dimmable
911401841787	SM136V G4 36_45_60S/840 PSU W20L120 OC	No
911401841887	SM136V G4 34_43_57S/830 PSD W20L120 OC	Yes
911401841987	SM136V G4 36_45_60S/840 PSD W20L120 OC	Yes
911401842287	SM136V G4 36_45_68S/840 PSU W20L157 OC	No
911401842387	SM136V G4 34_43_65S/830 PSU W20L157 OC	No
911401842487	SM136V G4 36_45_68S/840 PSD W20L157 OC	Yes
911401842587	SM136V G4 34_43_65S/830 PSD W20L157 OC	Yes

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401842087	SM136V G4 40S/830 WIA W20L120 OC	(0.44,0.40)SDCM<3
911401842187	SM136V G4 43S/840 WIA W20L120 OC	(0.38.0.38)SDCM<3
911401842687	SM136V G4 40S/830 WIA W20L157 OC	(0.44,0.40)SDCM<3
911401842787	SM136V G4 43S/840 WIA W20L157 OC	(0.38.0.38)SDCM<3
911401841687	SM136V G4 36_45_60S/840 PSU W20L120 NOC	(0.38.0.38)SDCM<3
911401841787	SM136V G4 36_45_60S/840 PSU W20L120 OC	(0.38.0.38)SDCM<3
911401841887	SM136V G4 34_43_57S/830 PSD W20L120 OC	(0.44,0.40)SDCM<3
911401841987	SM136V G4 36_45_60S/840 PSD W20L120 OC	(0.38.0.38)SDCM<3
911401842287	SM136V G4 36_45_68S/840 PSU W20L157 OC	(0.38.0.38)SDCM<3
911401842387	SM136V G4 34_43_65S/830 PSU W20L157 OC	(0.44,0.40)SDCM<3
911401842487	SM136V G4 36_45_68S/840 PSD W20L157 OC	(0.38.0.38)SDCM<3
911401842587	SM136V G4 34_43_65S/830 PSD W20L157 OC	(0.44,0.40)SDCM<3

Polar normal diagrams



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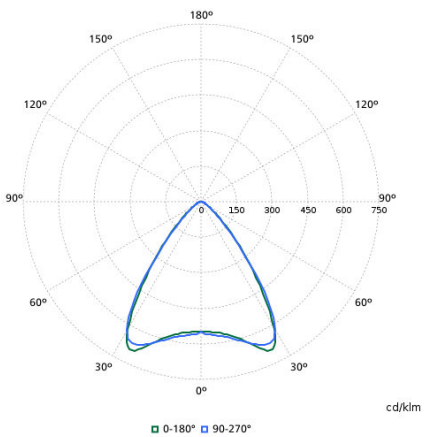

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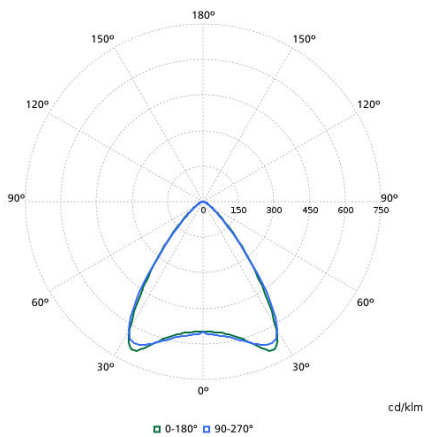

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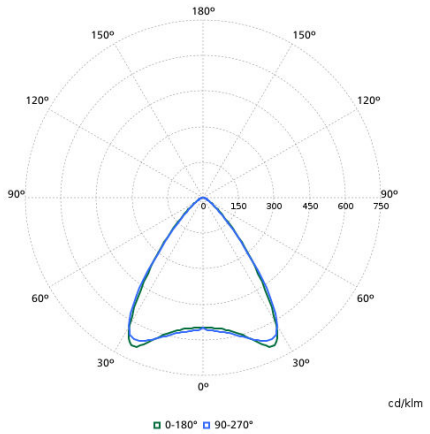

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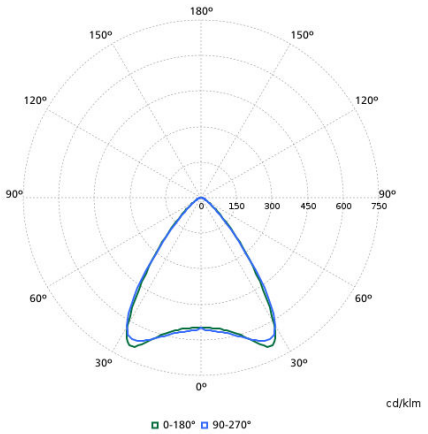

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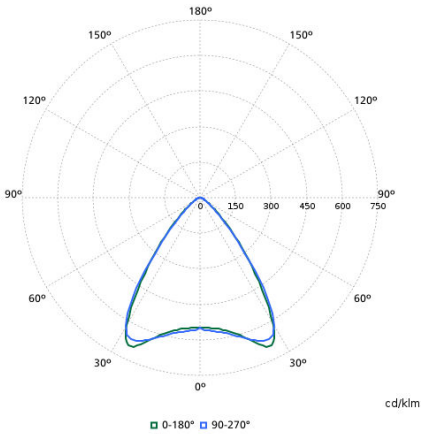

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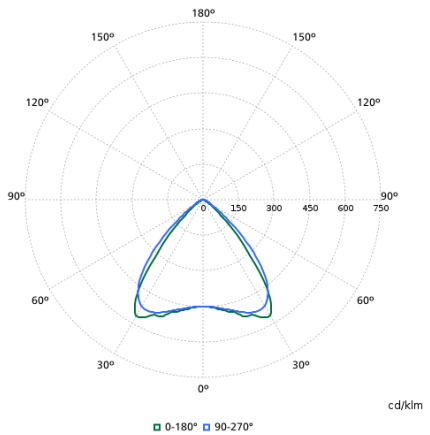

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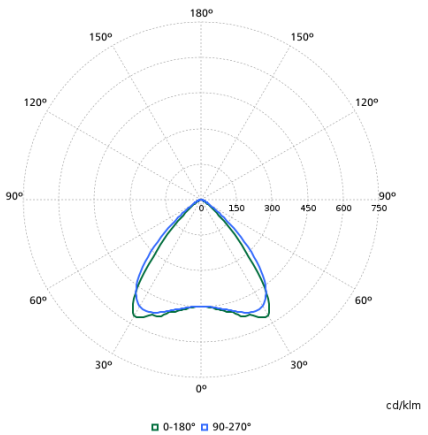

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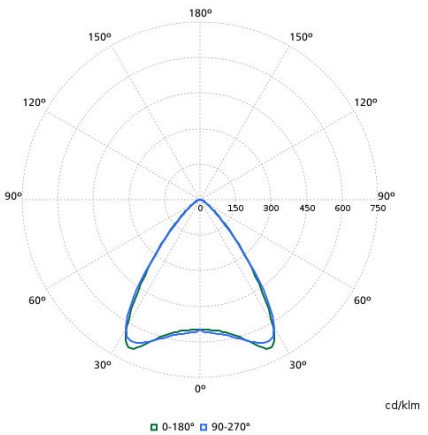

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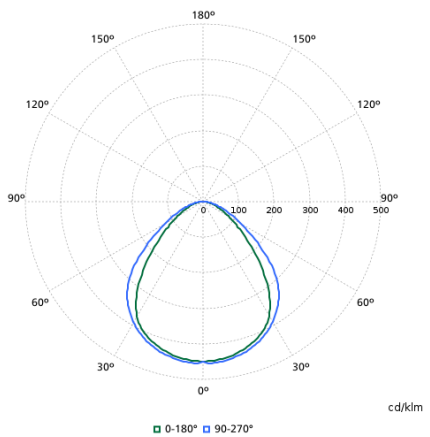

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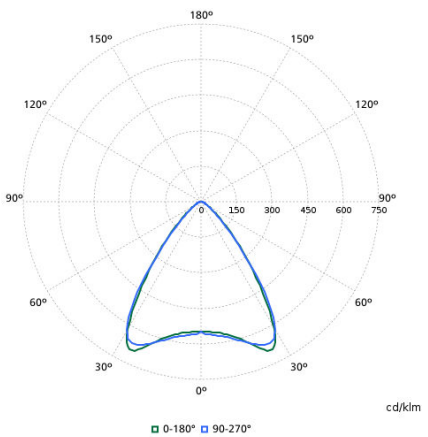

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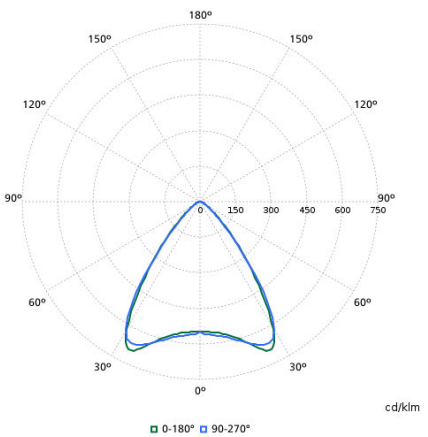

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