Philips CoreLine surface-mounted gen4: easy installation, excellent illumination

CoreLine surface mounted gen 4

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.

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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

Application
- Offices
- Healthcare
- Education

Versions

CoreLine surface mounted G4
W20L120

CoreLine surface mounted G4
W20L157

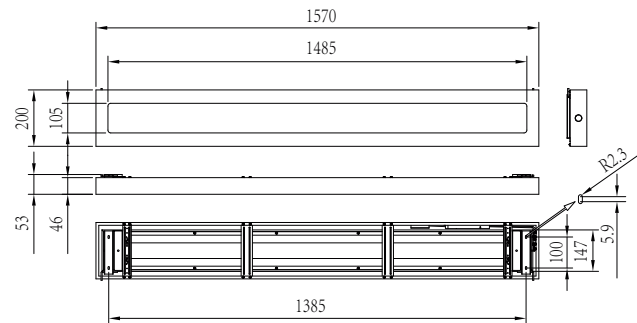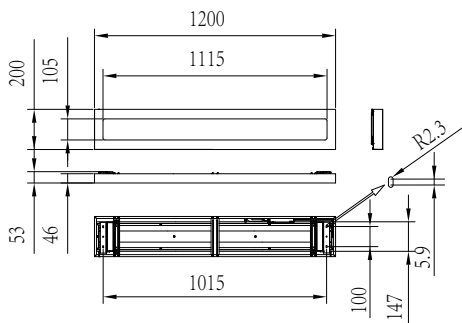**CoreLine surface mounted G4**
W20L120 All-in

CoreLine surface mounted G4
W20L157 All-in

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Dimensional drawing

Product details

CoreLine surface mounted G4 W20L120 DPP

CoreLine surface mounted G4 SafetyCable

CoreLine surface mounted G4 OC Optical window

CoreLine surface mounted G4 PSU back side

CoreLine surface mounted G4 WIA back side-02

CoreLine surface mounted G4 PSU back side

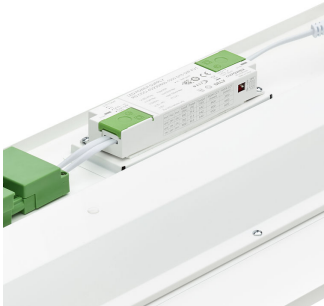**CoreLine G4 PSU All in lumen selectable side**

CoreLine surface mounted gen 4
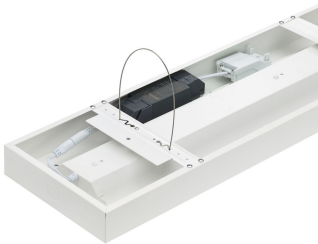
Product details

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

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General Information

Driver included	Yes
Number of gear units	Unit

Light Technical

Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	80
Optic type	Wide beam office-compliant

Operating and Electrical

Protection class IEC	Safety class II
Input Voltage	220-240 V
Line Frequency	50 or 60 Hz
Suitable for random switching	No

Mechanical and Housing

Housing Colour	White RAL 9003
Mech. impact protection code	IK03
Ingress protection code	IP20/44

Approval and Application

Ambient temperature range	-10 to +40 °C
CE mark	Yes
ENEC mark	KEMA Netherlands
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 650 °C, duration 30 s

Initial Performance (IEC Compliant)

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

Light Technical

Order Code	Full Product Name	All-in Type	Luminous efficacy (rated) (nom.)	Luminous Flux
76426299	SM136V G4 43S/840 WIA W20L120 OC	-	156 lm/W	4,300 lm
76432399	SM136V G4 43S/840 WIA W20L157 OC	-	156 lm/W	4,300 lm
76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	All-in, Multi Lumen	157 lm/W	3,600 lm
76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	All-in, Multi Lumen	157 lm/W	3,600 lm
76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	All-in, Multi Lumen	160 lm/W	3,600 lm
76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	All-in, Multi Lumen	160 lm/W	3,600 lm

Operating and Electrical

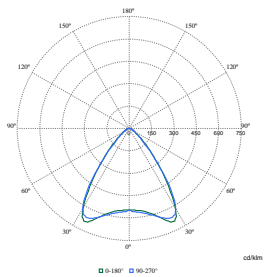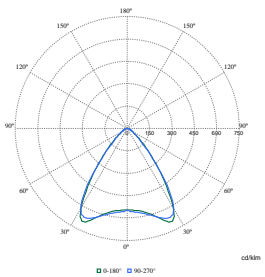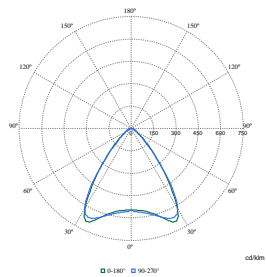| Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
76426299	SM136V G4 43S/840 WIA W20L120 OC	27.5 W	76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	38.5 W
76432399	SM136V G4 43S/840 WIA W20L157 OC	27.5 W	76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	43.5 W
76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	38.5 W	76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	43.5 W

Controls and Dimming

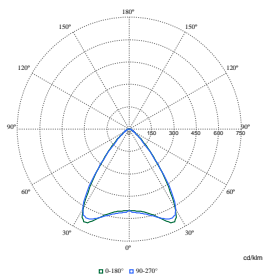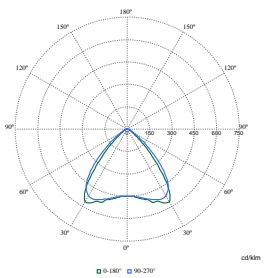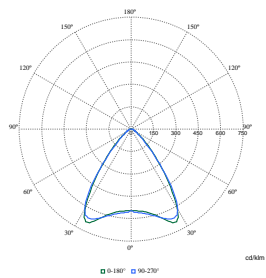| Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
76426299	SM136V G4 43S/840 WIA W20L120 OC	Yes	76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	Yes
76432399	SM136V G4 43S/840 WIA W20L157 OC	Yes	76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	No
76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	No	76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	Yes

CoreLine surface mounted gen 4

Polar Wide Diagrams

Polar Normal (separate) – null – 911401842487

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Polar Normal (separate) – null – 911401842287

www.lighting.philips.com

2025, February 7 – data subject to change