



# 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.

## CoreLine surface mounted gen 4

### 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

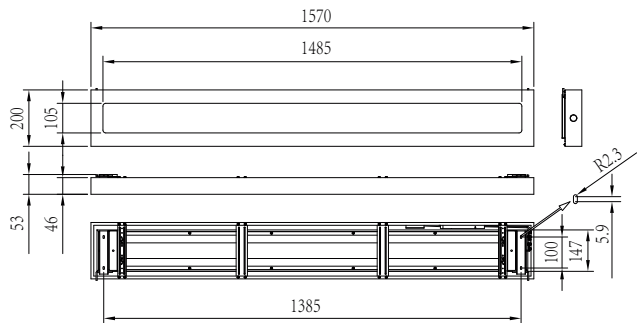
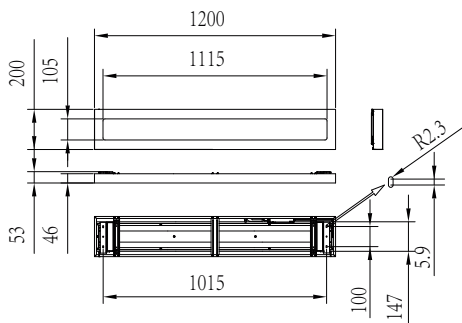
### Versions



CoreLine surface mounted G4 W20L120

CoreLine surface mounted gen 4

Dimensional drawing



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 gen 4

## Product details



CoreLine surface mounted G4 OC  
Optical window



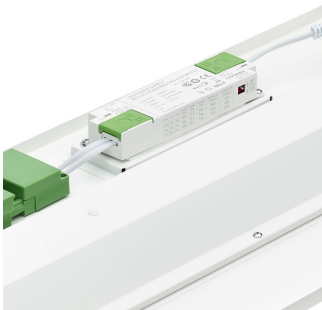
CoreLine surface mounted G4 PSU  
back side



CoreLine G4 PSU All in lumen  
selectable side



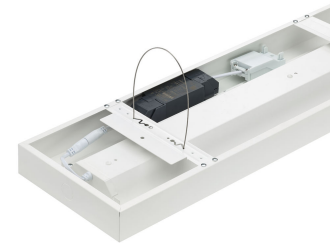
CoreLine surface mounted G4  
W20L157 DPP



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 surface mounted gen 4

Product details

CoreLine G4 PSD All in lumen  
selectable side



General Information	
Driver included	Yes
Number of gear units	1 unit
Light Technical	
Color rendering index (CRI)	80
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 Color	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)	
Luminous flux tolerance	+/-10%

Light Technical (1/2)

			Correlated Color Temperature (Nom)	Luminous Efficacy (rated) (Nom)	Luminous Flux
76425599	SM136V G4 40S/830 WIA W20L120 OC	-	3000 K	145 lm/W	4,000 lm
76426299	SM136V G4 43S/840 WIA W20L120 OC	-	4000 K	156 lm/W	4,300 lm
76431699	SM136V G4 40S/830 WIA W20L157 OC	-	3000 K	145 lm/W	4,000 lm
76432399	SM136V G4 43S/840 WIA W20L157 OC	-	4000 K	156 lm/W	4,300 lm
76421799	SM136V G4 36_45_60S/840 PSU W20L120 NOC	All-in, Multi Lumen	4000 K	157 lm/W	3,600 lm
76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	All-in, Multi Lumen	4000 K	157 lm/W	3,600 lm
76423199	SM136V G4 34_43_57S/830 PSD W20L120 OC	All-in, Multi Lumen	3000 K	148 lm/W	3,400 lm
76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	All-in, Multi Lumen	4000 K	157 lm/W	3,600 lm
76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	All-in, Multi Lumen	4000 K	160 lm/W	3,600 lm
76428699	SM136V G4 34_43_65S/830 PSU W20L157 OC	All-in, Multi Lumen	3000 K	151 lm/W	3,400 lm
76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	All-in, Multi Lumen	4000 K	160 lm/W	3,600 lm
76430999	SM136V G4 34_43_65S/830 PSD W20L157 OC	All-in, Multi Lumen	3000 K	151 lm/W	3,400 lm

Light Technical (2/2)

Order Code	Full Product Name	Optic type	Order Code	Full Product Name	Optic type
76425599	SM136V G4 40S/830 WIA W20L120 OC	Wide beam office compliant	76421799	SM136V G4 36_45_60S/840 PSU W20L120 NOC	Very wide beam
76426299	SM136V G4 43S/840 WIA W20L120 OC	Wide beam office compliant	76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	Wide beam office compliant
76431699	SM136V G4 40S/830 WIA W20L157 OC	Wide beam office compliant	76423199	SM136V G4 34_43_57S/830 PSD W20L120 OC	Wide beam office compliant
76432399	SM136V G4 43S/840 WIA W20L157 OC	Wide beam office compliant			

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Order Code	Full Product Name	Optic type
76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	Wide beam office compliant
76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	Wide beam office compliant

Order Code	Full Product Name	Optic type
76428699	SM136V G4 34_43_65S/830 PSU W20L157 OC	Wide beam office compliant
76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	Wide beam office compliant
76430999	SM136V G4 34_43_65S/830 PSD W20L157 OC	Wide beam office compliant

Operating and Electrical

Order Code	Full Product Name	Power Consumption
76425599	SM136V G4 40S/830 WIA W20L120 OC	27.5 W
76426299	SM136V G4 43S/840 WIA W20L120 OC	27.5 W
76431699	SM136V G4 40S/830 WIA W20L157 OC	27.5 W
76432399	SM136V G4 43S/840 WIA W20L157 OC	27.5 W
76421799	SM136V G4 36_45_60S/840 PSU W20L120 NOC	38.5 W
76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	38.5 W

Order Code	Full Product Name	Power Consumption
76423199	SM136V G4 34_43_57S/830 PSD W20L120 OC	38.5 W
76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	38.5 W
76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	43.5 W
76428699	SM136V G4 34_43_65S/830 PSU W20L157 OC	43.5 W
76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	43.5 W
76430999	SM136V G4 34_43_65S/830 PSD W20L157 OC	43.5 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
76425599	SM136V G4 40S/830 WIA W20L120 OC	Yes
76426299	SM136V G4 43S/840 WIA W20L120 OC	Yes
76431699	SM136V G4 40S/830 WIA W20L157 OC	Yes
76432399	SM136V G4 43S/840 WIA W20L157 OC	Yes
76421799	SM136V G4 36_45_60S/840 PSU W20L120 NOC	No
76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	No

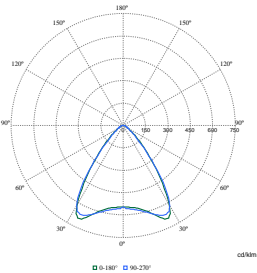
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76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	Yes
76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	No
76428699	SM136V G4 34_43_65S/830 PSU W20L157 OC	No
76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	Yes
76430999	SM136V G4 34_43_65S/830 PSD W20L157 OC	Yes

Initial Performance (IEC Compliant)

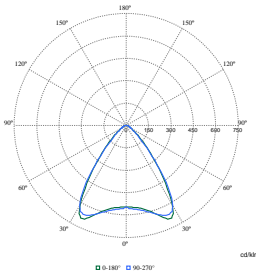
Order Code	Full Product Name	Initial chromaticity
76425599	SM136V G4 40S/830 WIA W20L120 OC	(0.44,0.40)SDCM<3
76426299	SM136V G4 43S/840 WIA W20L120 OC	(0.38,0.38)SDCM<3
76431699	SM136V G4 40S/830 WIA W20L157 OC	(0.44,0.40)SDCM<3
76432399	SM136V G4 43S/840 WIA W20L157 OC	(0.38,0.38)SDCM<3
76421799	SM136V G4 36_45_60S/840 PSU W20L120 NOC	(0.38,0.38)SDCM<3
76422499	SM136V G4 36_45_60S/840 PSU W20L120 OC	(0.38,0.38)SDCM<3

Order Code	Full Product Name	Initial chromaticity
76423199	SM136V G4 34_43_57S/830 PSD W20L120 OC	(0.44,0.40)SDCM<3
76424899	SM136V G4 36_45_60S/840 PSD W20L120 OC	(0.38,0.38)SDCM<3
76427999	SM136V G4 36_45_68S/840 PSU W20L157 OC	(0.38,0.38)SDCM<3
76428699	SM136V G4 34_43_65S/830 PSU W20L157 OC	(0.44,0.40)SDCM<3
76429399	SM136V G4 36_45_68S/840 PSD W20L157 OC	(0.38,0.38)SDCM<3
76430999	SM136V G4 34_43_65S/830 PSD W20L157 OC	(0.44,0.40)SDCM<3

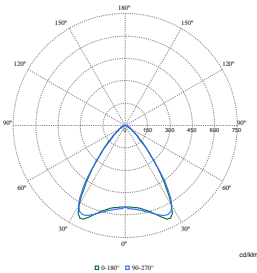
Polar Wide Diagrams



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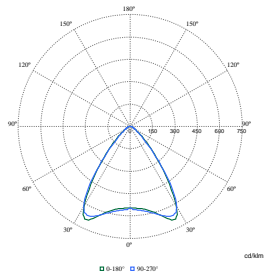
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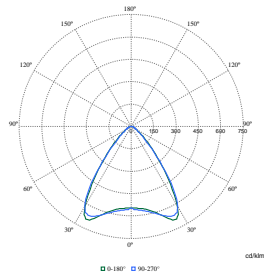
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# CoreLine surface mounted gen 4

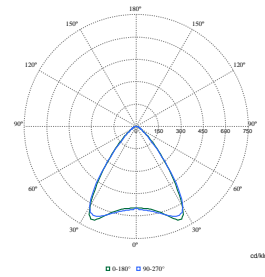
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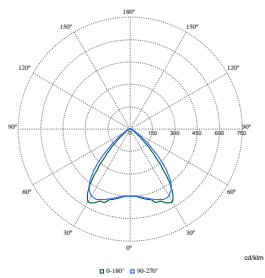
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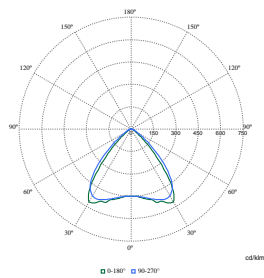
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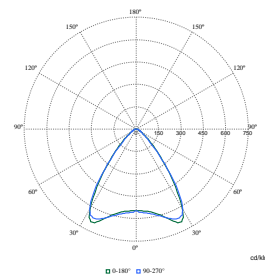
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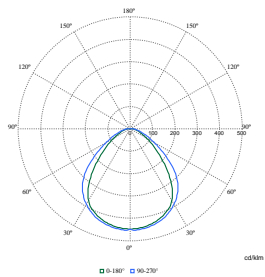
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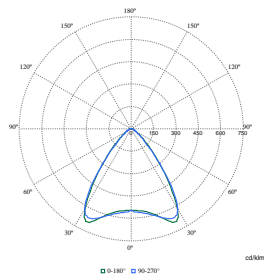
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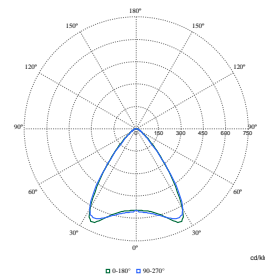
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