



Philips CoreLine waterproof – For every project where light really matters; easy to install and maintain.

CoreLine waterproof gen3

CoreLine waterproof delivers on the CoreLine promise of innovative, easy-to-use and high-quality luminaires. Its trusted, well-known and appreciated architecture establishes a new standard for installation and sustainability. A fast and easy connection is enabled by an optional pre-mounted external connector, while its efficient design ensures flexibility with plug-in emergency packs and "All-in" settings, allowing on-site adjustments to better suit various application conditions. Smart architecture facilitates straightforward, toolless parts replacement, while single-material paper packaging simplifies waste management on-site. Additionally, the optional Post-Consumer Recycled (PCR) plastic housing elevates its environmentally friendly design to the next level. CoreLine waterproof provides better wide-beam light distribution for straightforward and effective lighting. It can directly replace traditional waterproof luminaires with fluorescent lamps ranging from 18W up to 58W, delivering significant energy savings. The product family also includes a range of options, such as on/off, DALI dimming and an Interact-ready option with integrated wireless communications which can be used with Interact gateways, sensors and software; also available in this family.

CoreLine waterproof gen3

Benefits

- Hassle-free and fast installation and service
- Fulfills needs of general applications projects, with robust design (IK08) and high water and dust-proof rating (IP66)
- Design with sustainability in mind — with replaceable parts, single-paper material packaging and access to the Signify Service Tag app with service and maintenance information at hand.
- Interact Ready connectivity for smart lighting and easy commissioning.

Features

- Long lifetime of 100,000 hours at L80 with 5-year warranty
- High efficiency: standard versions to 160 lm/W, Ultra-efficient versions of 185 lm/W
- All-in: multiple lumen packages and/or colour temperatures in one luminaire (optional)
- Pre-mounted waterproof external connector (optional), long sliders, faster lock opening, toolless electrical connections, supporting ease and flexibility of installation
- Sustainability in scope: Post Consumer Recycled housing (optional) and spare parts (driver, LED boards, cover).
- Optional controls and versions: DALI dimming, integrated wireless connectivity (Interact-ready), integrated movement sensors with dimming and grouping function (MDU), Emergency Lighting (pack), through wiring 1- and 3-phase (TW1/3)

Application

- Manufacturing
- Car parks
- Warehouses
- General lighting

Warnings and Safety

- UV radiation will damage the material over time, resulting in loss of waterproof sealing and IP66 rating.
- Do not install the luminaire in locations where it will be exposed to direct sunlight.

Versions



CoreLine waterproof G2 (WT120C G2), L1200



CoreLine waterproof G3, WT120C G3 All_in

CoreLine waterproof gen3

Versions

CoreLine Waterproof WT120C G2
PCU -



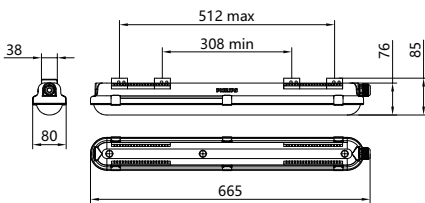
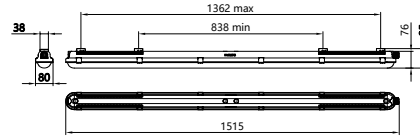
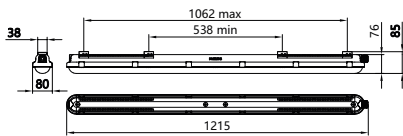
CoreLine waterproof G3, WT120C
G3 All_in



CoreLine waterproof G2 (WT120C
G2), L1500



Dimensional drawing



CoreLine waterproof gen3

Product details

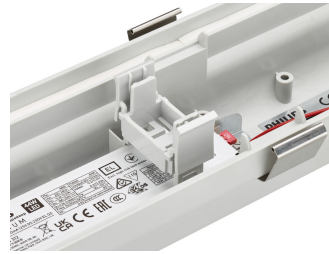
CoreLine Waterproof WT120C G2
PCU-7DPP



CoreLine waterproof gen3,
WT120C G3,top view



CoreLine waterproof gen3,
WT120C G3, easy driver
replacement



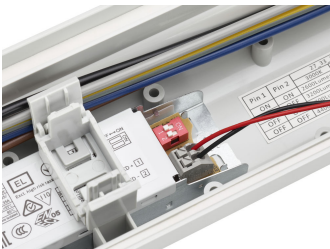
CoreLine Waterproof WT120C G2
PCU-10DPP



CoreLine Waterproof WT120C G2
PCU-12DPP



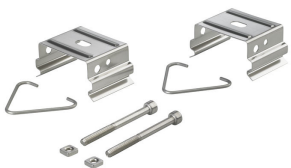
CoreLine waterproof gen3,
WT120C G3, All_in, lumen switch



CoreLine waterproof gen3,
WT120C G3, ServiceTag, QR code
for easy access



CoreLine Waterproof WT120C G2
PCU-2DPP

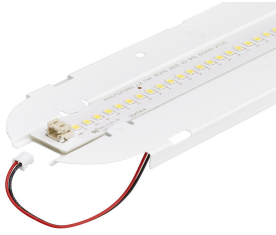


CoreLine waterproof gen3,
WT120C G3,EL pack (EM300V)
placement



CoreLine waterproof gen3

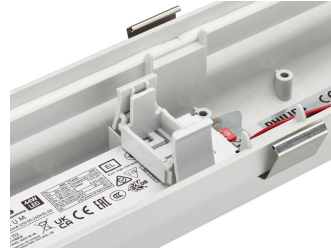
Product details



CoreLine waterproof gen3,
WT120C G3, easy LED board
replacement



CoreLine waterproof G3, WT120C
G3



CoreLine waterproof gen3,
WT120C G3, easy driver
replacement



CoreLine waterproof gen3,
WT120C G3, easy LED board
replacement



CoreLine waterproof WT120C G3,
toolless installation, clic-fix push-
in connector



CoreLine waterproof G3, WT120C
G3



CoreLine waterproof G3, WT120C
G3

CoreLine waterproof gen3

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	Symmetrical

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220-240 V
Line Frequency	0/50/60 Hz
Suitable for random switching	Yes

Mechanical and Housing

Housing Colour	Grey
Mech. impact protection code	IK08
Ingress protection code	IP66

Approval and Application

Ambient temperature range	-20°C to 40°C
CE mark	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on easily flammable surfaces
Glow-wire test	Temperature 850 °C, duration 30 s
Stroboscopic effect	0.4

Initial Performance (IEC Compliant)

Luminous flux tolerance	+15%/-5%
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Light Technical

Order Code	Full Product Name	All-in Type	Luminous efficacy (rated) (nom.)	Luminous Flux
911401839488	WT120C G3 35_43_51_60S/840 PSU L1500	All-in, Multi Lumen	162 lm/W	3,500 lm
911401839988	WT120C G3 70_86_100_120S/840 PSU L1500	All-in, Multi Lumen	163 lm/W	7,000 lm
910505106547	WT120C G3 80S/840 WIA L1200	-	160 lm/W	8,000 lm
911401838588	WT120C G3 60S/840 PSD L1200	-	160 lm/W	6,000 lm
911401839388	WT120C G3 27_33_39_46S/840 PSU L1200	All-in, Multi Lumen	163 lm/W	2,700 lm
910505106544	WT120C G3 40S/840 PSD L600	-	160 lm/W	4,000 lm
911401839588	WT120C G3 24_29_35_40S/840 PSU L600	All-in, Multi Lumen	164 lm/W	2,400 lm
910505106550	WT120C G3 80S/840 WIA L1500	-	160 lm/W	8,000 lm
911401838888	WT120C G3 80S/840 PSD L1500	-	160 lm/W	8,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
911401839488	WT120C G3 35_43_51_60S/840 PSU L1500	37.5 W
911401839988	WT120C G3 70_86_100_120S/840 PSU L1500	75 W
910505106547	WT120C G3 80S/840 WIA L1200	50 W
911401838588	WT120C G3 60S/840 PSD L1200	37.5 W
911401839388	WT120C G3 27_33_39_46S/840 PSU L1200	28.5 W

Order Code	Full Product Name	Power Consumption
910505106544	WT120C G3 40S/840 PSD L600	25 W
911401839588	WT120C G3 24_29_35_40S/840 PSU L600	25 W
910505106550	WT120C G3 80S/840 WIA L1500	50 W
911401838888	WT120C G3 80S/840 PSD L1500	50 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
911401839488	WT120C G3 35_43_51_60S/840 PSU L1500	No
911401839988	WT120C G3 70_86_100_120S/840 PSU L1500	No
910505106547	WT120C G3 80S/840 WIA L1200	Yes
911401838588	WT120C G3 60S/840 PSD L1200	Yes
911401839388	WT120C G3 27_33_39_46S/840 PSU L1200	No

Order Code	Full Product Name	Dimmable
910505106544	WT120C G3 40S/840 PSD L600	Yes
911401839588	WT120C G3 24_29_35_40S/840 PSU L600	No
910505106550	WT120C G3 80S/840 WIA L1500	Yes
911401838888	WT120C G3 80S/840 PSD L1500	Yes

Emergency Operation

CoreLine waterproof gen3

Order Code	Full Product Name	Central	
		Emergency	Emergency lighting
911401839488	WT120C G3 35_43_51_60S/840 PSU L1500	No	Emergency lighting ready (through compatible battery kit accessory)
911401839988	WT120C G3 70_86_100_120S/840 PSU L1500	No	Emergency lighting ready (through compatible battery kit accessory)
910505106547	WT120C G3 80S/840 WIA L1200	No	Emergency lighting ready (through compatible battery kit accessory)
911401838588	WT120C G3 60S/840 PSD L1200	Yes	DC operated central emergency lighting
911401839388	WT120C G3 27_33_39_46S/840 PSU L1200	No	Emergency lighting ready (through compatible battery kit accessory)

Order Code	Full Product Name	Central	
		Emergency	Emergency lighting
910505106544	WT120C G3 40S/840 PSD L600	Yes	DC operated central emergency lighting
911401839588	WT120C G3 24_29_35_40S/840 PSU L600	No	-
910505106550	WT120C G3 80S/840 WIA L1500	No	Emergency lighting ready (through compatible battery kit accessory)
911401838888	WT120C G3 80S/840 PSD L1500	Yes	DC operated central emergency lighting

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial chromaticity
911401839488	WT120C G3 35_43_51_60S/840 PSU L1500	(0.38, 0.37) SDCM<3
911401839988	WT120C G3 70_86_100_120S/840 PSU L1500	(0.38, 0.37) SDCM<3
910505106547	WT120C G3 80S/840 WIA L1200	(0.38; 0.37) SDCM<3
911401838588	WT120C G3 60S/840 PSD L1200	(0.38, 0.37) SDCM<3
911401839388	WT120C G3 27_33_39_46S/840 PSU L1200	(0.38, 0.37) SDCM<3

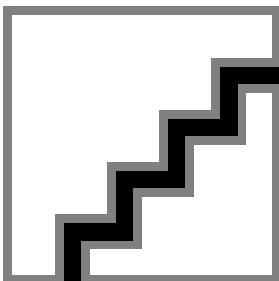
Order Code	Full Product Name	Initial chromaticity
910505106544	WT120C G3 40S/840 PSD L600	(0.38, 0.37) SDCM<3
911401839588	WT120C G3 24_29_35_40S/840 PSU L600	(0.38, 0.37) SDCM<3
910505106550	WT120C G3 80S/840 WIA L1500	(0.38; 0.37) SDCM<3
911401838888	WT120C G3 80S/840 PSD L1500	(0.38, 0.37) SDCM<3

Product Data

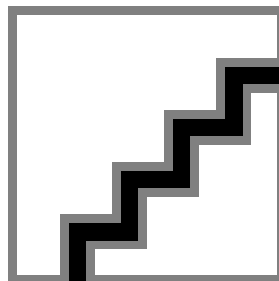
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911401839488	WT120C G3 35_43_51_60S/840 PSU L1500	-
911401839988	WT120C G3 70_86_100_120S/840 PSU L1500	-
910505106547	WT120C G3 80S/840 WIA L1200	WT120C_G
911401838588	WT120C G3 60S/840 PSD L1200	-
911401839388	WT120C G3 27_33_39_46S/840 PSU L1200	-

Order Code	Full Product Name	Product family code
910505106544	WT120C G3 40S/840 PSD L600	-
911401839588	WT120C G3 24_29_35_40S/840 PSU L600	-
910505106550	WT120C G3 80S/840 WIA L1500	WT120C_G
911401838888	WT120C G3 80S/840 PSD L1500	-

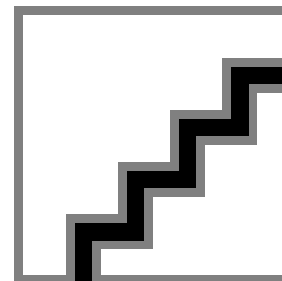
Polar Wide Diagrams



Polar Normal (separate) - WT120CN - 910505106547



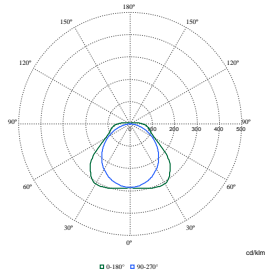
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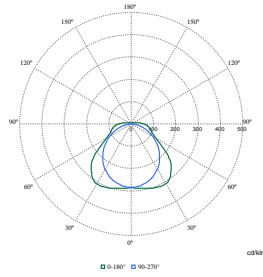
Polar Normal (separate) - WT120CN - 910505106550

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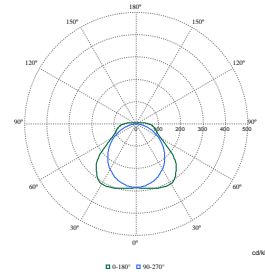
Polar Wide Diagrams



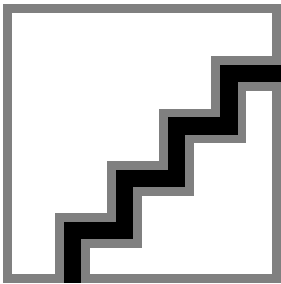
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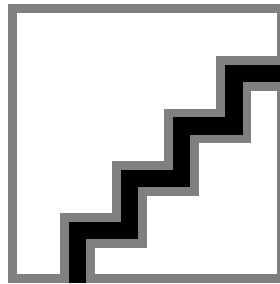
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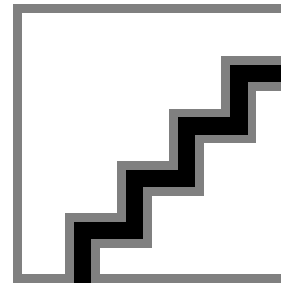
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Polar Normal (separate) - 911401839588



Polar Normal (separate) - 911401838588



Polar Normal (separate) - 911401839388

