PHILIPS

Lighting

CoreLine Waterproof – the clear choice for LED

CoreLine Waterproof

Whether for a new building or renovation of an existing space, customers want lighting solutions that provide quality of light and substantial energy and maintenance savings. The new CoreLine Waterproof range of LED products can be used to replace traditional waterproof luminaires with fluorescent lamps. The process of selecting, installing and maintaining is so easy – it's a simple switch.

Benefits
- Up to 50% energy savings compared with TL-D
- Up to 50% energy savings compared with TL-D
- Reliable LED technology – maintenance-free
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- Direct replacement for conventional waterproof luminaires in terms of light performance, installation flexibility and length
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CoreLine Waterproof

Features
- Reliable integrated LED technology, ensuring maintenance-free installation and a long lifetime
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- Can be used to replace traditional waterproof luminaires ranging from 18 to 58 W TL-D
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- Wide-beam light distribution
- Wide-beam light distribution
- Diffuser with optical element ensures visual comfort
- Diffuser with optical element ensures visual comfort
- Ceiling-mounted bracket and suspension hooks included; installation can be made vandal-proof by additional screw fixation of mounting brackets
- Ceiling-mounted bracket and suspension hooks included; installation can be made vandal-proof by additional screw fixation of mounting brackets

Application
- Parking garages
- Parking garages
- Warehouses
- Warehouses
- General lighting
- 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.
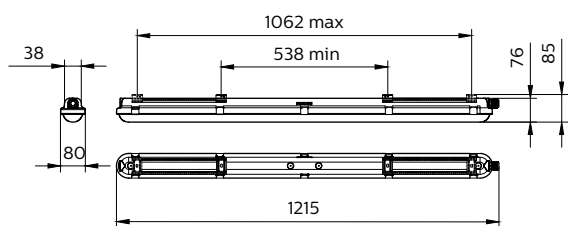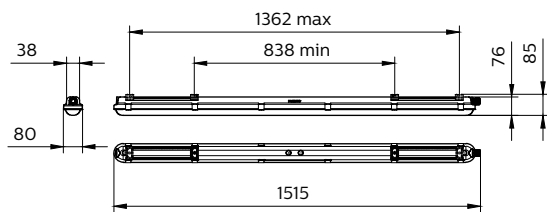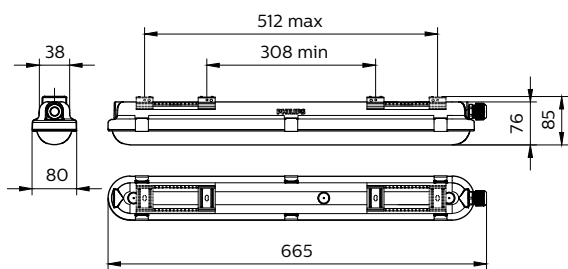
Versions

CoreLine Waterproof WT120C G2 PCU –

CoreLine Waterproof

Dimensional drawing

Product details

CoreLine Waterproof WT120C G2

PCU-7DPP

CoreLine Waterproof WT120C G2

PCU-3DPP

CoreLine Waterproof WT120C G2

PCU-10DPP

CoreLine Waterproof WT120C G2
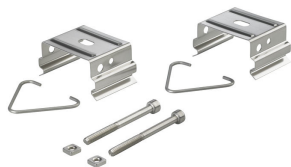
PCU-9DPP

CoreLine Waterproof

Product details

CoreLine Waterproof WT120C G2 PCU-12DPP

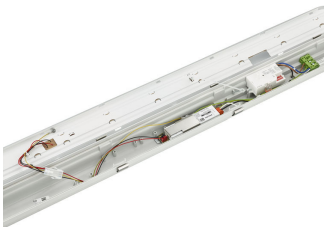**CoreLine waterproof G2 (WT120C G2),MDU, Motion Detection Unit**

CoreLine Waterproof WT120C G2 PCU-2DPP

CoreLine Waterproof WT120C G2 PCU-13DPP

CoreLine Waterproof WT120C G2 PCU-8DPP

CoreLine waterproof G2 (WT120C G2),MDU, Motion Detection Unit

CoreLine Waterproof WT120C G2 PCU-11DPP

CoreLine waterproof G2 (WT120C G2),Emergency lighting, TrustSight

CoreLine Waterproof

General Information

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

Light Technical

Correlated Color Temperature (Nom)	4000 K
Color rendering index (CRI)	>80
Optic type	Wide beam
Flickering value (PstLM) – Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	1.6

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 or 60 Hz

Mechanical and Housing

Housing Color	Gray

Approval and Application

CE mark	CE mark
Protection class IEC	Safety class I
ENEC mark	ENEC mark
Flammability mark	For mounting on easily flammable surfaces
Glow-wire test	Temperature 850 ℃, duration 30 s
Mech. impact protection code	IK08
Ingress protection code	IP65

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38,0.38)SDCM<=3
Luminous flux tolerance	+/-10%

General Information

Order Code	Full Product Name	Type of emergency lighting battery	Lamp family code	Embedded control	Product family code
910505100042	WT120C G2 LED27S/840 PSU ELB3 L1200	Lithium	LED27S	–	WT130C
910505100044	WT120C G2 LED27S/840 PSD L1200	–	LED27S	–	WT130C
910505100045	WT120C G2 LED27S/840 PSD ELB3 L1200	Lithium	LED27S	–	WT130C
910505100053	WT120C G2 LED40S/840 PSD L1200	–	LED40S	–	WT130C
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	Lithium	LED40S	–	WT130C
910505100057	WT120C G2 LED40S/840 PSD ELB3 L1200	Lithium	LED40S	–	WT130C
911401823580	WT120C G2 LED27S/840 PSU L1200	–	–	–	–
911401823780	WT120C G2 LED40S/840 PSU L1200	–	–	–	WT130C
910505100038	WT120C G2 LED19S/840 PSD L600	–	LED19S	–	WT130C
911401823480	WT120C G2 LED19S/840 PSU L600	–	–	–	–
910505100061	WT120C G2 LED34S/840 PSD L1500	–	LED34S	–	WT130C
910505100062	WT120C G2 LED34S/840 PSU ELB3 L1500	Lithium	LED34S	–	WT130C
910505100064	WT120C G2 LED34S/840 PSD ELB3 L1500	Lithium	LED34S	–	WT130C
910505100072	WT120C G2 LED60S/840 PSD L1500	–	LED60S	–	WT130C
910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	Lithium	LED60S	–	WT130C
910505100076	WT120C G2 LED60S/840 PSD ELB3 L1500	Lithium	LED60S	–	WT130C
910505100078	WT120C G2 LED80S/840 PSU MDU L1500	–	LED80S	Movement and light sensor (On/Off)	WT130C
910505100079	WT120C G2 LED80S/840 PSD L1500	–	LED80S	–	WT130C
910505100080	WT120C G2 LED80S/840 PSU L1500 ELB3	Lithium	LED80S	–	WT130C
911401823880	WT120C G2 LED60S/840 PSU L1500	–	–	–	–
911401823980	WT120C G2 LED80S/840 PSU L1500	–	–	–	–

Light Technical

CoreLine Waterproof

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
910505100042	WT120C G2 LED27S/840 PSU ELB3 L1200	104 lm/W	2,700 lm
910505100044	WT120C G2 LED27S/840 PSD L1200	123 lm/W	2,700 lm
910505100045	WT120C G2 LED27S/840 PSD ELB3 L1200	100 lm/W	2,700 lm
910505100053	WT120C G2 LED40S/840 PSD L1200	131 lm/W	4,000 lm
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	121 lm/W	4,000 lm
910505100057	WT120C G2 LED40S/840 PSD ELB3 L1200	113 lm/W	4,000 lm
911401823580	WT120C G2 LED27S/840 PSU L1200	132 lm/W	2,700 lm
911401823780	WT120C G2 LED40S/840 PSU L1200	140 lm/W	4,000 lm
910505100038	WT120C G2 LED19S/840 PSD L600	115 lm/W	1,900 lm
911401823480	WT120C G2 LED19S/840 PSU L600	127 lm/W	1,900 lm
910505100061	WT120C G2 LED34S/840 PSD L1500	131 lm/W	3,400 lm

Order Code	Full Product Name	Luminous Efficacy (rated) (Nom)	Luminous Flux
910505100062	WT120C G2 LED34S/840 PSU ELB3 L1500	113 lm/W	3,400 lm
910505100064	WT120C G2 LED34S/840 PSD ELB3 L1500	110 lm/W	3,400 lm
910505100072	WT120C G2 LED60S/840 PSD L1500	133 lm/W	6,000 lm
910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	121 lm/W	6,000 lm
910505100076	WT120C G2 LED60S/840 PSD ELB3 L1500	121 lm/W	6,000 lm
910505100078	WT120C G2 LED80S/840 PSU MDU L1500	131 lm/W	8,000 lm
910505100079	WT120C G2 LED80S/840 PSD L1500	129 lm/W	8,000 lm
910505100080	WT120C G2 LED80S/840 PSU L1500 ELB3	126 lm/W	8,000 lm
911401823880	WT120C G2 LED60S/840 PSU L1500	140 lm/W	6,000 lm
911401823980	WT120C G2 LED80S/840 PSU L1500	140 lm/W	8,000 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910505100042	WT120C G2 LED27S/840 PSU ELB3 L1200	26 W
910505100044	WT120C G2 LED27S/840 PSD L1200	22 W
910505100045	WT120C G2 LED27S/840 PSD ELB3 L1200	27 W
910505100053	WT120C G2 LED40S/840 PSD L1200	30.5 W
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	33 W
910505100057	WT120C G2 LED40S/840 PSD ELB3 L1200	35.5 W
911401823580	WT120C G2 LED27S/840 PSU L1200	20.5 W
911401823780	WT120C G2 LED40S/840 PSU L1200	28.6 W
910505100038	WT120C G2 LED19S/840 PSD L600	16.5 W
911401823480	WT120C G2 LED19S/840 PSU L600	15 W
910505100061	WT120C G2 LED34S/840 PSD L1500	26 W

Order Code	Full Product Name	Power Consumption
910505100062	WT120C G2 LED34S/840 PSU ELB3 L1500	30 W
910505100064	WT120C G2 LED34S/840 PSD ELB3 L1500	31 W
910505100072	WT120C G2 LED60S/840 PSD L1500	45 W
910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	49.5 W
910505100076	WT120C G2 LED60S/840 PSD ELB3 L1500	49.5 W
910505100078	WT120C G2 LED80S/840 PSU MDU L1500	61 W
910505100079	WT120C G2 LED80S/840 PSD L1500	62 W
910505100080	WT120C G2 LED80S/840 PSU L1500 ELB3	63.5 W
911401823880	WT120C G2 LED60S/840 PSU L1500	42.9 W
911401823980	WT120C G2 LED80S/840 PSU L1500	57.1 W

Temperature

Order Code	Full Product Name	Ambient temperature range
910505100042	WT120C G2 LED27S/840 PSU ELB3 L1200	0 to +25 ℃
910505100044	WT120C G2 LED27S/840 PSD L1200	−20 to +35 ℃
910505100045	WT120C G2 LED27S/840 PSD ELB3 L1200	0 to +25 ℃
910505100053	WT120C G2 LED40S/840 PSD L1200	−20 to +35 ℃
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	0 to +25 ℃
910505100057	WT120C G2 LED40S/840 PSD ELB3 L1200	0 to +25 ℃
911401823580	WT120C G2 LED27S/840 PSU L1200	−20 to +40 ℃

Order Code	Full Product Name	Ambient temperature range
911401823780	WT120C G2 LED40S/840 PSU L1200	−20 to +40 ℃
910505100038	WT120C G2 LED19S/840 PSD L600	−20 to +35 ℃
911401823480	WT120C G2 LED19S/840 PSU L600	−20 to +40 ℃
910505100061	WT120C G2 LED34S/840 PSD L1500	−20 to +35 ℃
910505100062	WT120C G2 LED34S/840 PSU ELB3 L1500	0 to +25 ℃
910505100064	WT120C G2 LED34S/840 PSD ELB3 L1500	0 to +25 ℃
910505100072	WT120C G2 LED60S/840 PSD L1500	−20 to +35 ℃

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Order Code	Full Product Name	Ambient temperature range
910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	0 to +25 ℃
910505100076	WT120C G2 LED60S/840 PSD ELB3 L1500	0 to +25 ℃
910505100078	WT120C G2 LED80S/840 PSU MDU L1500	–20 to +35 ℃

Order Code	Full Product Name	Ambient temperature range
910505100079	WT120C G2 LED80S/840 PSD L1500	–20 to +35 ℃
910505100080	WT120C G2 LED80S/840 PSU L1500 ELB3	0 to +25 ℃
911401823880	WT120C G2 LED60S/840 PSU L1500	–20 to +40 ℃
911401823980	WT120C G2 LED80S/840 PSU L1500	–20 to +40 ℃

Controls and Dimming

Order Code	Full Product Name	Dimmable
910505100042	WT120C G2 LED27S/840 PSU ELB3 L1200	No
910505100044	WT120C G2 LED27S/840 PSD L1200	Yes
910505100045	WT120C G2 LED27S/840 PSD ELB3 L1200	Yes
910505100053	WT120C G2 LED40S/840 PSD L1200	Yes
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	No
910505100057	WT120C G2 LED40S/840 PSD ELB3 L1200	Yes
911401823580	WT120C G2 LED27S/840 PSU L1200	No
911401823780	WT120C G2 LED40S/840 PSU L1200	No
910505100038	WT120C G2 LED19S/840 PSD L600	Yes
911401823480	WT120C G2 LED19S/840 PSU L600	No
910505100061	WT120C G2 LED34S/840 PSD L1500	Yes

Order Code	Full Product Name	Dimmable
910505100062	WT120C G2 LED34S/840 PSU ELB3 L1500	No
910505100064	WT120C G2 LED34S/840 PSD ELB3 L1500	Yes
910505100072	WT120C G2 LED60S/840 PSD L1500	Yes
910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	No
910505100076	WT120C G2 LED60S/840 PSD ELB3 L1500	Yes
910505100078	WT120C G2 LED80S/840 PSU MDU L1500	No
910505100079	WT120C G2 LED80S/840 PSD L1500	Yes
910505100080	WT120C G2 LED80S/840 PSU L1500 ELB3	No
911401823880	WT120C G2 LED60S/840 PSU L1500	No
911401823980	WT120C G2 LED80S/840 PSU L1500	No

Emergency Operation

Order Code	Full Product Name	Emergency flux	Power consumption during Central DC emergency mode
910505100042	WT120C G2 LED27S/840 PSU ELB3 L1200	500 lm	3 W
910505100044	WT120C G2 LED27S/840 PSD L1200	-	-
910505100045	WT120C G2 LED27S/840 PSD ELB3 L1200	500 lm	3 W
910505100053	WT120C G2 LED40S/840 PSD L1200	-	-
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	500 lm	3 W
910505100057	WT120C G2 LED40S/840 PSD ELB3 L1200	500 lm	3 W
911401823580	WT120C G2 LED27S/840 PSU L1200	-	-
911401823780	WT120C G2 LED40S/840 PSU L1200	-	-
910505100038	WT120C G2 LED19S/840 PSD L600	-	-
911401823480	WT120C G2 LED19S/840 PSU L600	-	-
910505100061	WT120C G2 LED34S/840 PSD L1500	-	-

Order Code	Full Product Name	Emergency flux	Power consumption during Central DC emergency mode
910505100062	WT120C G2 LED34S/840 PSU ELB3 L1500	500 lm	3 W
910505100064	WT120C G2 LED34S/840 PSD ELB3 L1500	500 lm	3 W
910505100072	WT120C G2 LED60S/840 PSD L1500	-	-
910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	500 lm	3 W
910505100076	WT120C G2 LED60S/840 PSD ELB3 L1500	500 lm	3 W
910505100078	WT120C G2 LED80S/840 PSU MDU L1500	-	-
910505100079	WT120C G2 LED80S/840 PSD L1500	-	-
910505100080	WT120C G2 LED80S/840 PSU L1500 ELB3	500 lm	3 W
911401823880	WT120C G2 LED60S/840 PSU L1500	-	-
911401823980	WT120C G2 LED80S/840 PSU L1500	-	-

Application Conditions

CoreLine Waterproof

Order Code	Full Product Name	Maximum dim level	Suitable for random switching	Order Code	Full Product Name	Maximum dim level	Suitable for random switching
910505100042	WT120C G2 LED27S/840 PSU ELB3 L1200	Not applicable	Not applicable	910505100062	WT120C G2 LED34S/840 PSU ELB3 L1500	Not applicable	Not applicable
910505100044	WT120C G2 LED27S/840 PSD L1200	1%	Not applicable	910505100064	WT120C G2 LED34S/840 PSD ELB3 L1500	1%	Not applicable
910505100045	WT120C G2 LED27S/840 PSD ELB3 L1200	1%	Not applicable	910505100072	WT120C G2 LED60S/840 PSD L1500	1%	Not applicable
910505100053	WT120C G2 LED40S/840 PSD L1200	1%	Not applicable	910505100073	WT120C G2 LED60S/840 PSU ELB3 L1500	Not applicable	Not applicable
910505100054	WT120C G2 LED40S/840 PSU ELB3 L1200	Not applicable	Not applicable	910505100076	WT120C G2 LED60S/840 PSD ELB3 L1500	1%	Not applicable
910505100057	WT120C G2 LED40S/840 PSD ELB3 L1200	1%	Not applicable	910505100078	WT120C G2 LED80S/840 PSU MDU L1500	Not applicable	Yes
911401823580	WT120C G2 LED27S/840 PSU L1200	Not applicable	Not applicable	910505100079	WT120C G2 LED80S/840 PSD L1500	1%	Not applicable
911401823780	WT120C G2 LED40S/840 PSU L1200	Not applicable	Not applicable	910505100080	WT120C G2 LED80S/840 PSU L1500 ELB3	Not applicable	Not applicable
910505100038	WT120C G2 LED19S/840 PSD L600	1%	Not applicable	911401823880	WT120C G2 LED60S/840 PSU L1500	Not applicable	Not applicable
911401823480	WT120C G2 LED19S/840 PSU L600	Not applicable	Not applicable	911401823980	WT120C G2 LED80S/840 PSU L1500	Not applicable	Not applicable
910505100061	WT120C G2 LED34S/840 PSD L1500	1%	Not applicable				

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2024, July 5 – data subject to change