



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
- Reliable LED technology – maintenance-free
- Direct replacement for conventional waterproof luminaires in terms of light performance, installation flexibility and length

Features

- Reliable integrated LED technology, ensuring maintenance-free installation and a long lifetime
- Can be used to replace traditional waterproof luminaires ranging from 18 to 58 W TL-D
- Wide-beam light distribution
- 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

Application

- Parking garages
- Warehouses
- General lighting

Specifications

Type	WT120C	Light source	LED module
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CoreLine Waterproof

Power	17.6 W (LED18S L600 version)
	23.5 W (LED22S L1200 version)
	32 W (LED40S L1200 version)
	29.5 W (LED34S L1500 version)
	48 W (LED60S L1500 version)
Beam angle	60°
Luminous flux	2,100 lm (LED18S L600 version)
	2,900 lm (LED22S L1200 version)
	4,100 lm (LED40S L1200 version)
	3,500 lm (LED34S L1500 version)
	6,000 lm (LED60S L1500 version)
Correlated Colour	4,000 K
Temperature	
Colour Rendering Index	≥ 80
Lumen maintenance at median useful life* 50,000 h	L75
Control gear failure rate at median useful life 50,000 h	5%
Performance Ambient Temperature Tq	+25 °C
Operating temperature range	-20 to +35 °C

Driver	Built-in, replaceable
Mains voltage	220-240 V/50-60 Hz
Dimming	DALI
	Wireless Dim
Material	Housing: injection-moulded polycarbonate
	Diffuser: injection-moulded polycarbonate
	Closing clips: stainless spring steel
Colour	Grey (RAL 7035)
Optical cover	Polycarbonate, clear with texture applied on the inside
Connection	Internal push-in connection with cable gland
	Optional: Waterproof External Connector (WEC) for easier installation
Maintenance	No internal cleaning required
Installation	Fixation with ceiling-mounted bracket
	(vandalism-proof via an additional screw fixation)
	Through-wiring possible
	Suspension possible
	After electrical installation in housing, the luminaire is closed via an optical cover and closing clips
Options	Emergency lighting: three-hour duration
Remarks	All mounting accessories are included

Versions



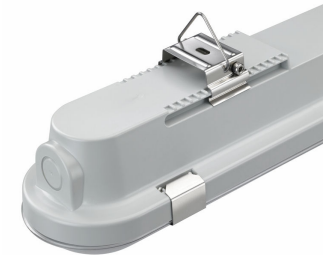
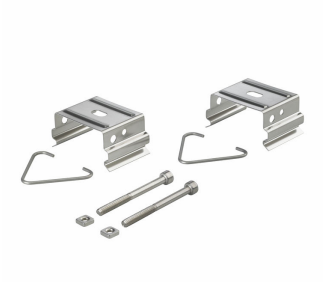
CoreLine Waterproof WT120C luminaire

Product details



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Product details



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Product details



Application Conditions

Suitable for random switching	Yes (relates to presence/movement detection and daylight harvesting)
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Approval and Application

Mech. impact protection code	IK08
Ingress protection code	IP65

Operating and Electrical

Input Voltage	220 to 240 V
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General Information

CE mark	CE mark
Protection class IEC	Safety class I (I)
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	F
Glow-wire test	850/30
Lamp family code	-
Light source replaceable	No
Number of gear units	1 unit
Optic type	No
Product Family Code	WT120C

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Init. Corr. Colour Temperature	4000 K
Init. Colour Rendering Index	≥80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Colour	Grey
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Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dim level
910500453335	WT120C LED18S/840 PSU L600	-20 to +35 °C	Not applicable
910500453336	WT120C LED22S/840 PSU L1200	-20 to +35 °C	Not applicable
910500453338	WT120C LED40S/840 PSU L1200	-20 to +35 °C	Not applicable
910500453339	WT120C LED60S/840 PSU L1500	-20 to +35 °C	Not applicable
910500454303	WT120C LED22S/840 PSU L1200 EL3	0 to +25 °C	Not applicable
910500454306	WT120C LED60S/840 PSU L1500 EL3	0 to +25 °C	Not applicable
910500458246	WT120C LED40S/840 PSD L1200	-25 to +35 °C	1%
910500458247	WT120C LED60S/840 PSD L1500	-25 to +35 °C	1%
910500465326	WT120C LED40S/840 IA1 L1200 EL3	0 to +25 °C	1%
910500465327	WT120C LED60S/840 IA1 L1500 EL3	0 to +25 °C	1%

Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
910500453335	WT120C LED18S/840 PSU L600	No	910500454306	WT120C LED60S/840 PSU L1500 EL3	No
910500453336	WT120C LED22S/840 PSU L1200	No	910500458246	WT120C LED40S/840 PSD L1200	Yes
910500453338	WT120C LED40S/840 PSU L1200	No	910500458247	WT120C LED60S/840 PSD L1500	Yes
910500453339	WT120C LED60S/840 PSU L1500	No	910500465326	WT120C LED40S/840 IA1 L1200 EL3	Yes
910500454303	WT120C LED22S/840 PSU L1200 EL3	No	910500465327	WT120C LED60S/840 IA1 L1500 EL3	Yes

General Information (1/2)

CoreLine Waterproof

Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Emergency lighting	Number of light sources
910500453335	WT120C LED18S/840 PSU L600	-	PC	No	1
910500453336	WT120C LED22S/840 PSU L1200	-	PC	No	1
910500453338	WT120C LED40S/840 PSU L1200	120 °	PC	No	1
910500453339	WT120C LED60S/840 PSU L1500	120 °	PC	No	1
910500454303	WT120C LED22S/840 PSU L1200 EL3	-	PC	EL3	1

Order Code	Full Product Name	Beam angle of light source	Optical cover/lens type	Emergency lighting	Number of light sources
910500454306	WT120C LED60S/840 PSU L1500 EL3	-	PC	EL3	1
910500458246	WT120C LED40S/840 PSD L1200	-	PC	No	1
910500458247	WT120C LED60S/840 PSD L1500	-	PC	No	1
910500465326	WT120C LED40S/840 IA1 L1200 EL3	-	-	-	-
910500465327	WT120C LED60S/840 IA1 L1500 EL3	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	UL mark
910500453335	WT120C LED18S/840 PSU L600	No
910500453336	WT120C LED22S/840 PSU L1200	No
910500453338	WT120C LED40S/840 PSU L1200	No
910500453339	WT120C LED60S/840 PSU L1500	No
910500454303	WT120C LED22S/840 PSU L1200 EL3	No

Order Code	Full Product Name	UL mark
910500454306	WT120C LED60S/840 PSU L1500 EL3	No
910500458246	WT120C LED40S/840 PSD L1200	No
910500458247	WT120C LED60S/840 PSD L1500	No
910500465326	WT120C LED40S/840 IA1 L1200 EL3	-
910500465327	WT120C LED60S/840 IA1 L1500 EL3	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910500453335	WT120C LED18S/840 PSU L600	119 lm/W	2100 lm	17.6 W
910500453336	WT120C LED22S/840 PSU L1200	123 lm/W	2900 lm	23.5 W
910500453338	WT120C LED40S/840 PSU L1200	115 lm/W	4100 lm	35.5 W
910500453339	WT120C LED60S/840 PSU L1500	125 lm/W	6000 lm	48 W
910500454303	WT120C LED22S/840 PSU L1200 EL3	98 lm/W	2900 lm	22.5 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910500454306	WT120C LED60S/840 PSU L1500 EL3	115 lm/W	6000 lm	52 W
910500458246	WT120C LED40S/840 PSD L1200	112 lm/W	4100 lm	36.5 W
910500458247	WT120C LED60S/840 PSD L1500	121 lm/W	6000 lm	49.5 W
910500465326	WT120C LED40S/840 IA1 L1200 EL3	104 lm/W	4100 lm	39.5 W
910500465327	WT120C LED60S/840 IA1 L1500 EL3	115 lm/W	6000 lm	52 W

