



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

CoreLine Waterproof

Type	WT120C
Light source	LED module
Power	17 W (LED18S L600 version) 20 W (LED22S L1200 version) 38 W (LED40S L1200 version) 29 W (LED34S L1500 version) 57 W (LED60S L1500 version)
Beam angle	60°
Luminous flux	1800 lm (LED18S L600 version) 2200 lm (LED22S L1200 version) 4000 lm (LED40S L1200 version) 3400 lm (LED34S L1500 version) 6000 lm (LED60S L1500 version)
Correlated Color Temperature	4000 K
Color Rendering Index	≥ 80
Median useful life L70B50	50,000 hours
Median useful life L80B50	30,000 hours
Median useful life L90B50	15,000 hours
Driver failure rate	1% per 5000 hours
Average ambient temperature	+25 °C

Operating temperature range	-20 to +35 °C
Driver	Built-in, replaceable
Mains voltage	220-240V / 50-60 Hz
Dimming	DALI
Material	Housing: injection molded polycarbonate Diffuser: injection molded polycarbonate Closing clips: stainless spring steel
Color	Grey (RAL 7035)
Optical cover	Polycarbonate, clear with texture applied at the inside
Connection	Internal push-in connection with cable gland
Maintenance	No internal cleaning required
Installation	Fixation with ceiling mounted bracket Through-wiring possible Suspension possible After electrical installation in housing luminaire is closed by optical cover and closing clips
Options	Emergency lighting 3 hours duration
Remarks	All mounting accessories are included

Versions



CoreLine Waterproof WT120C luminaire



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Product details



Stainless spring steel clips for fast closing of the luminaire



Electrical connection between LED driver and diffuser with integrated LED source

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Product details

Ceiling bracket and anti-vandal screws



Extra cable gland and stopper



Easy installation



Easy installation



Easy installation



Ceiling bracket and anti-vandal screws



Ceiling bracket with suspension and anti-vandal screws



LED module integrated in the cover



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Product details

Side view



Front view



Close up anti-vandal screw



CoreLine_Waterproof_DOB-DP01.tif



CoreLine_Waterproof_DOB-DP02.tif



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

General Information

CE mark	CE mark
Protection class IEC	Safety class I
Driver included	Yes
ENEC mark	ENEC mark
Flammability mark	For mounting on normally flammable surfaces
Glow-wire test	Temperature 850 °C, duration 30 s
Light source replaceable	No
Number of gear units	1 unit
Optic type	-
Product Family Code	WT120C

Initial Performance (IEC Compliant)

Initial chromaticy	(0.38, 0.38) SDCM <3.5
Init. Corr. Color Temperature	4000 K
Init. Color Rendering Index	≥80
Luminous flux tolerance	+/-10%

Mechanical and Housing

Color	Gray
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Over Time Performance (IEC Compliant)

Driver failure rate at 5000 h	1 %
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

Application Conditions

Order Code	Full Product Name	Ambient temperature range	Average ambient temperature	Maximum dim level
910500453335	WT120C LED18S/840 PSU L600	-20 to +35 °C	25 °C	Not applicable
910500453336	WT120C LED22S/840 PSU L1200	-20 to +35 °C	25 °C	Not applicable
910500453337	WT120C LED34S/840 PSU L1500	-20 to +35 °C	25 °C	Not applicable
910500453338	WT120C LED40S/840 PSU L1200	-20 to +35 °C	25 °C	Not applicable
910500453339	WT120C LED60S/840 PSU L1500	-20 to +35 °C	25 °C	Not applicable
910500454298	WT120C LED22S/840 PSU L1200 EL1	0 to +25 °C	25 °C	Not applicable
910500454299	WT120C LED40S/840 PSU L1200 EL1	0 to +25 °C	25 °C	Not applicable
910500454301	WT120C LED34S/840 PSU L1500 EL1	0 to +25 °C	25 °C	Not applicable
910500454302	WT120C LED60S/840 PSU L1500 EL1	0 to +25 °C	25 °C	Not applicable
910500454303	WT120C LED22S/840 PSU L1200 EL3	0 to +25 °C	25 °C	Not applicable
910500454304	WT120C LED40S/840 PSU L1200 EL3	0 to +25 °C	25 °C	Not applicable
910500454305	WT120C LED34S/840 PSU L1500 EL3	0 to +25 °C	25 °C	Not applicable
910500454306	WT120C LED60S/840 PSU L1500 EL3	0 to +25 °C	25 °C	Not applicable
910500458243	WT120C LED18S/840 PSD L600	-25 to +35 °C	25 °C	1%
910500458244	WT120C LED22S/840 PSD L1200	-25 to +35 °C	25 °C	1%
910500458245	WT120C LED34S/840 PSD L1500	-25 to +35 °C	25 °C	1%
910500458246	WT120C LED40S/840 PSD L1200	-25 to +35 °C	25 °C	1%
910500458247	WT120C LED60S/840 PSD L1500	-25 to +35 °C	25 °C	1%
910500458248	WT120C LED22S/840 PSD L1200 EL3	0 to +25 °C	25 °C	1%
910500458249	WT120C LED40S/840 PSD L1200 EL3	0 to +25 °C	25 °C	1%
910500458250	WT120C LED34S/840 PSD L1500 EL3	0 to +25 °C	25 °C	1%
910500458251	WT120C LED60S/840 PSD L1500 EL3	0 to +25 °C	25 °C	1%
910500458794	WT120C LED22S/840 PSU TW3 L1200	-20 to +35 °C	25 °C	Not applicable
910500458795	WT120C LED34S/840 PSU TW3 L1500	-20 to +35 °C	25 °C	Not applicable
910500458796	WT120C LED40S/840 PSU TW3 L1200	-20 to +35 °C	25 °C	Not applicable
910500458797	WT120C LED60S/840 PSU TW3 L1500	-20 to +35 °C	25 °C	Not applicable

Order Code	Full Product Name	Ambient temperature range	Average ambient temperature	Maximum dim level
910500459299	WT120C LED40S/840 PSU WEC L1200	-20 to +35 °C	-	Not applicable
910500459301	WT120C LED40S/840 PSU TW1 WEC L1200	-20 to +35 °C	-	Not applicable
910500459302	WT120C LED60S/840 PSU WEC L1500	-20 to +35 °C	-	Not applicable
910500459303	WT120C LED60S/840 PSU TW1 WEC L1500	-20 to +35 °C	-	Not applicable

Controls and Dimming

Order Code	Full Product Name	Dimmable	Order Code	Full Product Name	Dimmable
910500453335	WT120C LED18S/840 PSU L600	No	910500458245	WT120C LED34S/840 PSD L1500	Yes
910500453336	WT120C LED22S/840 PSU L1200	No	910500458246	WT120C LED40S/840 PSD L1200	Yes
910500453337	WT120C LED34S/840 PSU L1500	No	910500458247	WT120C LED60S/840 PSD L1500	Yes
910500453338	WT120C LED40S/840 PSU L1200	No	910500458248	WT120C LED22S/840 PSD L1200 EL3	Yes
910500453339	WT120C LED60S/840 PSU L1500	No	910500458249	WT120C LED40S/840 PSD L1200 EL3	Yes
910500454298	WT120C LED22S/840 PSU L1200 EL1	No	910500458250	WT120C LED34S/840 PSD L1500 EL3	Yes
910500454299	WT120C LED40S/840 PSU L1200 EL1	No	910500458251	WT120C LED60S/840 PSD L1500 EL3	Yes
910500454301	WT120C LED34S/840 PSU L1500 EL1	No	910500458794	WT120C LED22S/840 PSU TW3 L1200	No
910500454302	WT120C LED60S/840 PSU L1500 EL1	No	910500458795	WT120C LED34S/840 PSU TW3 L1500	No
910500454303	WT120C LED22S/840 PSU L1200 EL3	No	910500458796	WT120C LED40S/840 PSU TW3 L1200	No
910500454304	WT120C LED40S/840 PSU L1200 EL3	No	910500458797	WT120C LED60S/840 PSU TW3 L1500	No
910500454305	WT120C LED34S/840 PSU L1500 EL3	No	910500459299	WT120C LED40S/840 PSU WEC L1200	No
910500454306	WT120C LED60S/840 PSU L1500 EL3	No	910500459301	WT120C LED40S/840 PSU TW1 WEC L1200	No
910500458243	WT120C LED18S/840 PSD L600	Yes	910500459302	WT120C LED60S/840 PSU WEC L1500	No
910500458244	WT120C LED22S/840 PSD L1200	Yes	910500459303	WT120C LED60S/840 PSU TW1 WEC L1500	No

Operating and Electrical

Order Code	Full Product Name	Input Voltage	Order Code	Full Product Name	Input Voltage
910500453335	WT120C LED18S/840 PSU L600	220 to 240 V	910500458245	WT120C LED34S/840 PSD L1500	220 to 240 V
910500453336	WT120C LED22S/840 PSU L1200	220 to 240 V	910500458246	WT120C LED40S/840 PSD L1200	220 to 240 V
910500453337	WT120C LED34S/840 PSU L1500	220 to 240 V	910500458247	WT120C LED60S/840 PSD L1500	220 to 240 V
910500453338	WT120C LED40S/840 PSU L1200	220 to 240 V	910500458248	WT120C LED22S/840 PSD L1200 EL3	220 to 240 V
910500453339	WT120C LED60S/840 PSU L1500	220 to 240 V	910500458249	WT120C LED40S/840 PSD L1200 EL3	220 to 240 V
910500454298	WT120C LED22S/840 PSU L1200 EL1	220 to 240 V	910500458250	WT120C LED34S/840 PSD L1500 EL3	220 to 240 V
910500454299	WT120C LED40S/840 PSU L1200 EL1	220 to 240 V	910500458251	WT120C LED60S/840 PSD L1500 EL3	220 to 240 V
910500454301	WT120C LED34S/840 PSU L1500 EL1	220 to 240 V	910500458794	WT120C LED22S/840 PSU TW3 L1200	220-240 V
910500454302	WT120C LED60S/840 PSU L1500 EL1	220 to 240 V	910500458795	WT120C LED34S/840 PSU TW3 L1500	220-240 V
910500454303	WT120C LED22S/840 PSU L1200 EL3	220 to 240 V	910500458796	WT120C LED40S/840 PSU TW3 L1200	220-240 V
910500454304	WT120C LED40S/840 PSU L1200 EL3	220 to 240 V	910500458797	WT120C LED60S/840 PSU TW3 L1500	220-240 V
910500454305	WT120C LED34S/840 PSU L1500 EL3	220 to 240 V	910500459299	WT120C LED40S/840 PSU WEC L1200	220 to 240 V
910500454306	WT120C LED60S/840 PSU L1500 EL3	220 to 240 V	910500459301	WT120C LED40S/840 PSU TW1 WEC L1200	220 to 240 V
910500458243	WT120C LED18S/840 PSD L600	220 to 240 V	910500459302	WT120C LED60S/840 PSU WEC L1500	220 to 240 V
910500458244	WT120C LED22S/840 PSD L1200	220 to 240 V	910500459303	WT120C LED60S/840 PSU TW1 WEC L1500	220 to 240 V

General Information (1/2)

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Order Code	Full Product Name	Cap-Base	Optical cover/lens type	Emergency lighting	Gear	Order Code	Full Product Name	Cap-Base	Optical cover/lens type	Emergency lighting	Gear
910500453335	WT120C LED18S/840 PSU L600	-	Polycarbonate bowl/cover	-	-	910500458245	WT120C LED34S/840 PSD L1500	-	Polycarbonate bowl/cover	-	-
910500453336	WT120C LED22S/840 PSU L1200	-	Polycarbonate bowl/cover	-	-	910500458246	WT120C LED40S/840 PSD L1200	-	Polycarbonate bowl/cover	-	-
910500453337	WT120C LED34S/840 PSU L1500	-	Polycarbonate bowl/cover	-	-	910500458247	WT120C LED60S/840 PSD L1500	-	Polycarbonate bowl/cover	-	-
910500453338	WT120C LED40S/840 PSU L1200	-	Polycarbonate bowl/cover	-	-	910500458248	WT120C LED22S/840 PSD L1200 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-
910500453339	WT120C LED60S/840 PSU L1500	-	Polycarbonate bowl/cover	-	-	910500458249	WT120C LED40S/840 PSD L1200 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-
910500454298	WT120C LED22S/840 PSU L1200 EL1	-	Polycarbonate bowl/cover	Emergency lighting 1 hour duration	-	910500458250	WT120C LED34S/840 PSD L1500 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-
910500454299	WT120C LED40S/840 PSU L1200 EL1	-	Polycarbonate bowl/cover	Emergency lighting 1 hour duration	-	910500458251	WT120C LED60S/840 PSD L1500 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-
910500454301	WT120C LED34S/840 PSU L1500 EL1	-	Polycarbonate bowl/cover	Emergency lighting 1 hour duration	-	910500458794	WT120C LED22S/840 PSU TW3 L1200	-	-	-	-
910500454302	WT120C LED60S/840 PSU L1500 EL1	-	Polycarbonate bowl/cover	Emergency lighting 1 hour duration	-	910500458795	WT120C LED34S/840 PSU TW3 L1500	-	-	-	-
910500454303	WT120C LED22S/840 PSU L1200 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-	910500458796	WT120C LED40S/840 PSU TW3 L1200	-	-	-	-
910500454304	WT120C LED40S/840 PSU L1200 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-	910500458797	WT120C LED60S/840 PSU TW3 L1500	-	-	-	-
910500454305	WT120C LED34S/840 PSU L1500 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-	910500459299	WT120C LED40S/840 PSU WEC L1200	-	-	-	-
910500454306	WT120C LED60S/840 PSU L1500 EL3	-	Polycarbonate bowl/cover	Emergency lighting 3 hours duration	-	910500459301	WT120C LED40S/840 PSU TW1 WEC L1200	-	-	-	-
910500458243	WT120C LED18S/840 PSD L600	-	Polycarbonate bowl/cover	-	-	910500459302	WT120C LED60S/840 PSU WEC L1500	-	-	-	-
910500458244	WT120C LED22S/840 PSD L1200	-	Polycarbonate bowl/cover	-	-	910500459303	WT120C LED60S/840 PSU TW1 WEC L1500	-	-	-	-

General Information (2/2)

Order Code	Full Product Name	Lamp family code	Number of light sources	UL mark	Order Code	Full Product Name	Lamp family code	Number of light sources	UL mark
910500453335	WT120C LED18S/840 PSU L600	LED18S	1 pc	-	910500453336	WT120C LED22S/840 PSU L1200	LED22S	1 pc	-

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Order Code	Full Product Name	Lamp family code	Number of light sources	UL mark
910500453337	WT120C LED34S/840 PSU L1500	LED34S	1 pc	-
910500453338	WT120C LED40S/840 PSU L1200	LED40S	1 pc	-
910500453339	WT120C LED60S/840 PSU L1500	LED60S	1 pc	-
910500454298	WT120C LED22S/840 PSU L1200 EL1	LED22S	1 pc	-
910500454299	WT120C LED40S/840 PSU L1200 EL1	LED40S	1 pc	-
910500454301	WT120C LED34S/840 PSU L1500 EL1	LED34S	1 pc	-
910500454302	WT120C LED60S/840 PSU L1500 EL1	LED60S	1 pc	-
910500454303	WT120C LED22S/840 PSU L1200 EL3	LED22S	1 pc	-
910500454304	WT120C LED40S/840 PSU L1200 EL3	LED40S	1 pc	-
910500454305	WT120C LED34S/840 PSU L1500 EL3	LED34S	1 pc	-
910500454306	WT120C LED60S/840 PSU L1500 EL3	LED60S	1 pc	-
910500458243	WT120C LED18S/840 PSD L600	LED18S	1 pc	-
910500458244	WT120C LED22S/840 PSD L1200	LED22S	1 pc	-
910500458245	WT120C LED34S/840 PSD L1500	LED34S	1 pc	-
910500458246	WT120C LED40S/840 PSD L1200	LED40S	1 pc	-
910500458247	WT120C LED60S/840 PSD L1500	LED60S	1 pc	-

Order Code	Full Product Name	Lamp family code	Number of light sources	UL mark
910500458248	WT120C LED22S/840 PSD L1200 EL3	LED22S	1 pc	-
910500458249	WT120C LED40S/840 PSD L1200 EL3	LED40S	1 pc	-
910500458250	WT120C LED34S/840 PSD L1500 EL3	LED34S	1 pc	-
910500458251	WT120C LED60S/840 PSD L1500 EL3	LED60S	1 pc	-
910500458794	WT120C LED22S/840 PSU TW3 L1200	LED22S	1 pc	-
910500458795	WT120C LED34S/840 PSU TW3 L1500	LED34S	1 pc	-
910500458796	WT120C LED40S/840 PSU TW3 L1200	LED40S	1 pc	-
910500458797	WT120C LED60S/840 PSU TW3 L1500	LED60S	1 pc	-
910500459299	WT120C LED40S/840 PSU WEC L1200	-	-	-
910500459301	WT120C LED40S/840 PSU TW1 WEC L1200	-	-	-
910500459302	WT120C LED60S/840 PSU WEC L1500	-	-	-
910500459303	WT120C LED60S/840 PSU TW1 WEC L1500	-	-	-

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	111 lm/W	2000 lm	18 W
910500453336	WT120C LED22S/840 PSU L1200	109 lm/W	2400 lm	22 W
910500453337	WT120C LED34S/840 PSU L1500	117 lm/W	3400 lm	29 W
910500453338	WT120C LED40S/840 PSU L1200	111 lm/W	4000 lm	36 W
910500453339	WT120C LED60S/840 PSU L1500	105 lm/W	6000 lm	57 W
910500454298	WT120C LED22S/840 PSU L1200 EL1	109 lm/W	2400 lm	22 W
910500454299	WT120C LED40S/840 PSU L1200 EL1	111 lm/W	4000 lm	36 W
910500454301	WT120C LED34S/840 PSU L1500 EL1	117 lm/W	3400 lm	29 W
910500454302	WT120C LED60S/840 PSU L1500 EL1	105 lm/W	6000 lm	57 W
910500454303	WT120C LED22S/840 PSU L1200 EL3	109 lm/W	2400 lm	22 W
910500454304	WT120C LED40S/840 PSU L1200 EL3	111 lm/W	4000 lm	36 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910500454305	WT120C LED34S/840 PSU L1500 EL3	117 lm/W	3400 lm	29 W
910500454306	WT120C LED60S/840 PSU L1500 EL3	105 lm/W	6000 lm	57 W
910500458243	WT120C LED18S/840 PSD L600	111 lm/W	2000 lm	18 W
910500458244	WT120C LED22S/840 PSD L1200	109 lm/W	2400 lm	22 W
910500458245	WT120C LED34S/840 PSD L1500	117 lm/W	3400 lm	29 W
910500458246	WT120C LED40S/840 PSD L1200	111 lm/W	4000 lm	36 W
910500458247	WT120C LED60S/840 PSD L1500	105 lm/W	6000 lm	57 W
910500458248	WT120C LED22S/840 PSD L1200 EL3	109 lm/W	2400 lm	22 W
910500458249	WT120C LED40S/840 PSD L1200 EL3	111 lm/W	4000 lm	36 W
910500458250	WT120C LED34S/840 PSD L1500 EL3	117 lm/W	3400 lm	29 W
910500458251	WT120C LED60S/840 PSD L1500 EL3	105 lm/W	6000 lm	57 W

CoreLine Waterproof

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910500458794	WT120C LED22S/840 PSU TW3 L1200	109 lm/W	2400 lm	22 W
910500458795	WT120C LED34S/840 PSU TW3 L1500	117 lm/W	3400 lm	29 W
910500458796	WT120C LED40S/840 PSU TW3 L1200	111 lm/W	4000 lm	36 W
910500458797	WT120C LED60S/840 PSU TW3 L1500	105 lm/W	6000 lm	57 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
910500459299	WT120C LED40S/840 PSU WEC L1200	125 lm/W	4000 lm	32 W
910500459301	WT120C LED40S/840 PSU TW1 WEC L1200	125 lm/W	4000 lm	32 W
910500459302	WT120C LED60S/840 PSU WEC L1500	125 lm/W	6000 lm	48 W
910500459303	WT120C LED60S/840 PSU TW1 WEC L1500	125 lm/W	6000 lm	48 W

