



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

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Specifications

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

Product details



Stainless spring steel clips for fast closing of the luminaire

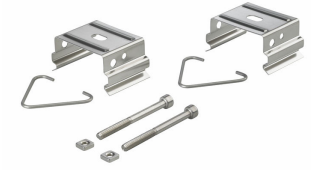


Electrical connection between LED driver and diffuser with integrated LED source

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Product details

Ceiling bracket and anti-vandal screws



Extra cable gland and stopper



Easy installation



Easy installation



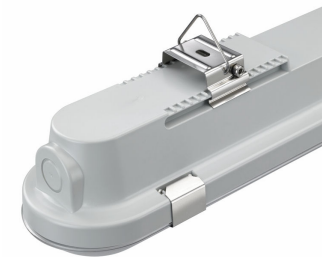
Easy installation



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



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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	D
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	Gray
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Application Conditions

Order Code	Full Product Name	Ambient temperature range	Maximum dim level
84045900	WT120C LED18S/840 PSU L600	-20 to +35 °C	Not applicable
84046600	WT120C LED22S/840 PSU L1200	-20 to +35 °C	Not applicable
84047300	WT120C LED34S/840 PSU L1500	-20 to +35 °C	Not applicable
84048000	WT120C LED40S/840 PSU L1200	-20 to +35 °C	Not applicable
84049700	WT120C LED60S/840 PSU L1500	-20 to +35 °C	Not applicable
85418000	WT120C LED22S/840 PSU L1200 EL3	0 to +25 °C	Not applicable
85419700	WT120C LED40S/840 PSU L1200 EL3	0 to +25 °C	Not applicable
85420300	WT120C LED34S/840 PSU L1500 EL3	0 to +25 °C	Not applicable
85421000	WT120C LED60S/840 PSU L1500 EL3	0 to +25 °C	Not applicable
88306800	WT120C LED18S/840 PSD L600	-25 to +35 °C	1%
88307500	WT120C LED22S/840 PSD L1200	-25 to +35 °C	1%
88308200	WT120C LED34S/840 PSD L1500	-25 to +35 °C	1%
88309900	WT120C LED40S/840 PSD L1200	-25 to +35 °C	1%
88310500	WT120C LED60S/840 PSD L1500	-25 to +35 °C	1%
88312900	WT120C LED40S/840 PSD L1200 EL3	0 to +25 °C	1%
88314300	WT120C LED60S/840 PSD L1500 EL3	0 to +25 °C	1%
39713500	WT120C LED40S/840 IA1 L1200	-20 to +35 °C	-
39714200	WT120C LED60S/840 IA1 L1500	-20 to +35 °C	-
40928900	WT120C LED80S/840 PSU L1500	-25 to +35 °C	Not applicable
40929600	WT120C LED80S/840 PSD L1500	-25 to +35 °C	1%

Controls and Dimming

Order Code	Full Product Name	Dimmable
84045900	WT120C LED18S/840 PSU L600	No
84046600	WT120C LED22S/840 PSU L1200	No
84047300	WT120C LED34S/840 PSU L1500	No
84048000	WT120C LED40S/840 PSU L1200	No
84049700	WT120C LED60S/840 PSU L1500	No
85418000	WT120C LED22S/840 PSU L1200 EL3	No
85419700	WT120C LED40S/840 PSU L1200 EL3	No
85420300	WT120C LED34S/840 PSU L1500 EL3	No
85421000	WT120C LED60S/840 PSU L1500 EL3	No
88306800	WT120C LED18S/840 PSD L600	Yes

Order Code	Full Product Name	Dimmable
88307500	WT120C LED22S/840 PSD L1200	Yes
88308200	WT120C LED34S/840 PSD L1500	Yes
88309900	WT120C LED40S/840 PSD L1200	Yes
88310500	WT120C LED60S/840 PSD L1500	Yes
88312900	WT120C LED40S/840 PSD L1200 EL3	Yes
88314300	WT120C LED60S/840 PSD L1500 EL3	Yes
39713500	WT120C LED40S/840 IA1 L1200	-
39714200	WT120C LED60S/840 IA1 L1500	-
40928900	WT120C LED80S/840 PSU L1500	No
40929600	WT120C LED80S/840 PSD L1500	Yes

General Information (1/2)

Order Code	Full Product Name	Beam angle of light source		Optical cover/lens Emergency lighting	
		Cap-Base	Emergency lighting	type	lighting
84045900	WT120C LED18S/840 PSU L600	-	-	PC	No

Order Code	Full Product Name	Beam angle of light source		Optical cover/lens Emergency lighting	
		Cap-Base	Emergency lighting	type	lighting
84046600	WT120C LED22S/840 PSU L1200	-	-	PC	No

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Order Code	Full Product Name	Beam angle of light source	Cap-Base	Optical cover/lens type	Emergency lighting
84047300	WT120C LED34S/840 PSU L1500	-	-	PC	No
84048000	WT120C LED40S/840 PSU L1200	120 °	-	PC	No
84049700	WT120C LED60S/840 PSU L1500	120 °	-	PC	No
85418000	WT120C LED22S/840 PSU L1200 EL3	-	-	PC	EL3
85419700	WT120C LED40S/840 PSU L1200 EL3	-	-	PC	EL3
85420300	WT120C LED34S/840 PSU L1500 EL3	-	-	PC	EL3
85421000	WT120C LED60S/840 PSU L1500 EL3	-	-	PC	EL3
88306800	WT120C LED18S/840 PSD L600	-	-	PC	No
88307500	WT120C LED22S/840 PSD L1200	-	-	PC	No

Order Code	Full Product Name	Beam angle of light source	Cap-Base	Optical cover/lens type	Emergency lighting
88308200	WT120C LED34S/840 PSD L1500	-	-	PC	No
88309900	WT120C LED40S/840 PSD L1200	-	-	PC	No
88310500	WT120C LED60S/840 PSD L1500	-	-	PC	No
88312900	WT120C LED40S/840 PSD L1200 EL3	-	-	PC	EL3
88314300	WT120C LED60S/840 PSD L1500 EL3	-	-	PC	EL3
39713500	WT120C LED40S/840 IA1 L1200	120 °	-	-	-
39714200	WT120C LED60S/840 IA1 L1500	120 °	-	-	-
40928900	WT120C LED80S/840 PSU L1500	120 °	-	-	No
40929600	WT120C LED80S/840 PSD L1500	120 °	-	No	No

General Information (2/2)

Order Code	Full Product Name	Number of light		
		Gear	sources	UL mark
84045900	WT120C LED18S/840 PSU L600	-	1	-
84046600	WT120C LED22S/840 PSU L1200	-	1	-
84047300	WT120C LED34S/840 PSU L1500	-	1	-
84048000	WT120C LED40S/840 PSU L1200	-	1	-
84049700	WT120C LED60S/840 PSU L1500	-	1	-
85418000	WT120C LED22S/840 PSU L1200 EL3	-	1	-
85419700	WT120C LED40S/840 PSU L1200 EL3	-	1	-
85420300	WT120C LED34S/840 PSU L1500 EL3	-	1	-
85421000	WT120C LED60S/840 PSU L1500 EL3	-	1	-
88306800	WT120C LED18S/840 PSD L600	-	1	-

Order Code	Full Product Name	Number of light		
		Gear	sources	UL mark
88307500	WT120C LED22S/840 PSD L1200	-	1	-
88308200	WT120C LED34S/840 PSD L1500	-	1	-
88309900	WT120C LED40S/840 PSD L1200	-	1	-
88310500	WT120C LED60S/840 PSD L1500	-	1	-
88312900	WT120C LED40S/840 PSD L1200 EL3	-	1	-
88314300	WT120C LED60S/840 PSD L1500 EL3	-	1	-
39713500	WT120C LED40S/840 IA1 L1200	-	-	-
39714200	WT120C LED60S/840 IA1 L1500	-	-	-
40928900	WT120C LED80S/840 PSU L1500	-	-	-
40929600	WT120C LED80S/840 PSD L1500	-	No	-

Initial Performance (IEC Compliant)

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
84045900	WT120C LED18S/840 PSU L600	119 lm/W	2100 lm	17.6 W
84046600	WT120C LED22S/840 PSU L1200	123 lm/W	2900 lm	23.5 W
84047300	WT120C LED34S/840 PSU L1500	119 lm/W	3500 lm	29.5 W
84048000	WT120C LED40S/840 PSU L1200	115 lm/W	4100 lm	35.5 W
84049700	WT120C LED60S/840 PSU L1500	125 lm/W	6000 lm	48 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
85418000	WT120C LED22S/840 PSU L1200 EL3	98 lm/W	2900 lm	22.5 W
85419700	WT120C LED40S/840 PSU L1200 EL3	104 lm/W	4100 lm	39.5 W
85420300	WT120C LED34S/840 PSU L1500 EL3	106 lm/W	3500 lm	33 W
85421000	WT120C LED60S/840 PSU L1500 EL3	115 lm/W	6000 lm	52 W
88306800	WT120C LED18S/840 PSD L600	114 lm/W	2100 lm	18.5 W

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Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
88307500	WT120C LED22S/840 PSD L1200	118 lm/W	2900 lm	24.5 W
88308200	WT120C LED34S/840 PSD L1500	117 lm/W	3500 lm	30 W
88309900	WT120C LED40S/840 PSD L1200	112 lm/W	4100 lm	36.5 W
88310500	WT120C LED60S/840 PSD L1500	121 lm/W	6000 lm	49.5 W
88312900	WT120C LED40S/840 PSD L1200 EL3	104 lm/W	4100 lm	39.5 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
88314300	WT120C LED60S/840 PSD L1500 EL3	115 lm/W	6000 lm	52 W
39713500	WT120C LED40S/840 IA1 L1200	112 lm/W	4100 lm	36.5 W
39714200	WT120C LED60S/840 IA1 L1500	121 lm/W	6000 lm	49.5 W
40928900	WT120C LED80S/840 PSU L1500	118 lm/W	8000 lm	68 W
40929600	WT120C LED80S/840 PSD L1500	118 lm/W	8000 lm	68 W

Over Time Performance (IEC Compliant)

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
84045900	WT120C LED18S/840 PSU L600	-	-
84046600	WT120C LED22S/840 PSU L1200	-	-
84047300	WT120C LED34S/840 PSU L1500	-	-
84048000	WT120C LED40S/840 PSU L1200	-	-
84049700	WT120C LED60S/840 PSU L1500	-	-
85418000	WT120C LED22S/840 PSU L1200 EL3	-	-
85419700	WT120C LED40S/840 PSU L1200 EL3	-	-
85420300	WT120C LED34S/840 PSU L1500 EL3	-	-
85421000	WT120C LED60S/840 PSU L1500 EL3	-	-
88306800	WT120C LED18S/840 PSD L600	-	-

Order Code	Full Product Name	Median useful life L80B50	Median useful life L90B50
88307500	WT120C LED22S/840 PSD L1200	-	-
88308200	WT120C LED34S/840 PSD L1500	-	-
88309900	WT120C LED40S/840 PSD L1200	-	-
88310500	WT120C LED60S/840 PSD L1500	-	-
88312900	WT120C LED40S/840 PSD L1200 EL3	-	-
88314300	WT120C LED60S/840 PSD L1500 EL3	-	-
39713500	WT120C LED40S/840 IA1 L1200	-	-
39714200	WT120C LED60S/840 IA1 L1500	-	-
40928900	WT120C LED80S/840 PSU L1500	30000 h	15000 h
40929600	WT120C LED80S/840 PSD L1500	30000 h	15000 h

