



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	17.6 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 Temperature	4,000 K
Colour Rendering Index	≥ 80
Lumen maintenance at median useful life*	L75
50,000 h	
Control gear failure rate at median useful life	5%
50,000 h	
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

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Product details



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Product details



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Application Conditions

Suitable for random switching	Yes
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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)
Optical cover/lens type	PC
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
Number of light sources	1
Optic type	No
Product Family Code	WT120C
UL mark	No

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
84045900	WT120C LED18S/840 PSU L600	-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
85415900	WT120C LED40S/840 PSU L1200 EL1	0 to +25 °C	Not applicable
85417300	WT120C LED60S/840 PSU L1500 EL1	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%

Controls and Dimming

Order Code	Full Product Name	Dimmable
84045900	WT120C LED18S/840 PSU L600	No
84048000	WT120C LED40S/840 PSU L1200	No
84049700	WT120C LED60S/840 PSU L1500	No
85415900	WT120C LED40S/840 PSU L1200 EL1	No
85417300	WT120C LED60S/840 PSU L1500 EL1	No

Order Code	Full Product Name	Dimmable
88306800	WT120C LED18S/840 PSD L600	Yes
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

General Information

Order Code	Full Product Name	Beam angle of light source	Emergency lighting
84045900	WT120C LED18S/840 PSU L600	-	No
84048000	WT120C LED40S/840 PSU L1200	120 °	No
84049700	WT120C LED60S/840 PSU L1500	120 °	No

Order Code	Full Product Name	Beam angle of light source	Emergency lighting
85415900	WT120C LED40S/840 PSU L1200 EL1	-	EL1
85417300	WT120C LED60S/840 PSU L1500 EL1	-	EL1
88306800	WT120C LED18S/840 PSD L600	-	No

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Order Code	Full Product Name	Beam angle of light source	Emergency lighting
88307500	WT120C LED22S/840 PSD L1200	-	No
88308200	WT120C LED34S/840 PSD L1500	-	No

Order Code	Full Product Name	Beam angle of light source	Emergency lighting
88309900	WT120C LED40S/840 PSD L1200	-	No
88310500	WT120C LED60S/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
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
85415900	WT120C LED40S/840 PSU L1200 EL1	104 lm/W	4100 lm	39.5 W
85417300	WT120C LED60S/840 PSU L1500 EL1	115 lm/W	6000 lm	52 W

Order Code	Full Product Name	Initial LED luminaire efficacy	Initial luminous flux	Initial input power
88306800	WT120C LED18S/840 PSD L600	114 lm/W	2100 lm	18.5 W
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

