PHILIPS

Lighting

CoreLine Waterproof

WT120C LED22S/840 PSD L1200

Coreline Waterproof - LED Module, system flux 2200 lm - 840 neutral white - Power supply unit with DALI interface

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.

Product data

General Information	
Number of light sources	1 [1 pc]
Lamp family code	LED22S [LED Module, system flux 2200 lm]
Light source colour	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSD [Power supply unit with DALI interface]
Driver included	Yes
Optic type	No [-]
Optical cover/lens type	PC [Polycarbonate bowl/cover]
Luminaire light beam spread	110°
Emergency lighting	No [-]
Control interface	DALI
Connection	PI [Push-in connector 3-pole]
Cable	-
Protection class IEC	Safety class I (I)
Glow-wire test	850/30 [Temperature 850 °C, duration 30 s]

Flammability mark	F [For mounting on normally flammable surfaces]
CE mark	CE mark
ENEC mark	ENEC mark
UL mark	No
Constant light output	No
Number of products on MCB	24
RoHS mark	RoHS mark
Product Family Code	WT120C [Coreline Waterproof]

Operating and Electrical	
Input voltage	220 to 240 V
Input frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.280 ms
Power factor (min.)	0.9

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Controls and Dimming	
Dimmable	Yes

Mechanical and Housing	
Housing material	Polycarbonate
Reflector material	Steel
Optic material	-
Optical cover/lens material	Polycarbonate
Fixation material	Stainless steel
Optical cover/lens finish	Textured
Overall length	1250 mm
Overall width	87 mm
Overall height	96 mm

Approval and Application	
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [5 J vandal-protected]

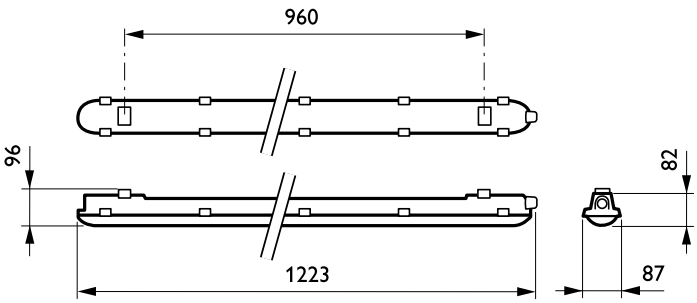
Initial Performance (IEC Compliant)	
Initial luminous flux	2400 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	109 lm/W
Init. Corr. colour temperature	4000 K
Init. colour rendering index	≥80
Initial chromaticity	(0.38, 0.38) SDCM <3.5
Initial input power	22 W
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)	
Driver failure rate at 5,000 hours	1 %
Median useful life L70B50	50000 h
Median useful life L80B50	30000 h
Median useful life L90B50	15000 h

Application Conditions	
Ambient temperature range	-25 to +35 °C
Average ambient temperature	25 °C
Maximum dimming level	1%
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data	
Full product code	871869688307500
Order product name	WT120C LED22S/840 PSD L1200
EAN/UPC – product	8718696883075
Order code	88307500
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910500458244
Net weight (piece)	1.530 kg

Dimensional drawing



CoreLine Waterproof WT120C

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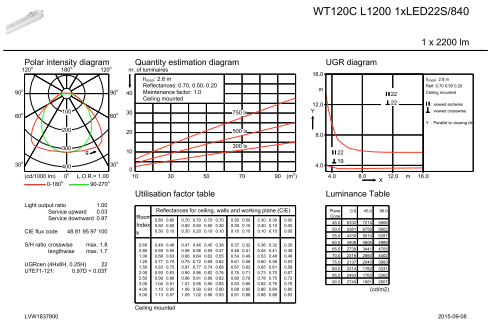
Photometric data



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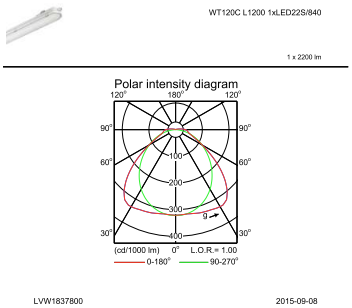

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