CoreLine Waterproof

WT120C LED34S/840 PSU L1500

Coreline Waterproof - LED Module, system flux 3400 lm - 840 neutral white - Power supply unit

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	LED34S [LED Module, system flux 3400 lm]
Light source colour	840 neutral white
Light source replaceable	No
Number of gear units	1 unit
Driver/power unit/transformer	PSU [Power supply unit]
Driver included	Yes
Optic type	No [-]
Optical cover/lens type	PC [Polycarbonate bowl/cover]
Luminaire light beam spread	110°
Emergency lighting	No [-]
Control interface	-
Connection	Push-in connector 3-pole
Cable	-
Protection class IEC	Safety class I
Glow-wire test	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	17.8 A
Inrush time	0.282 ms
Power factor (min.)	0.9

Controls and Dimming

Dimmable	No

CoreLine Waterproof

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	1530 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]

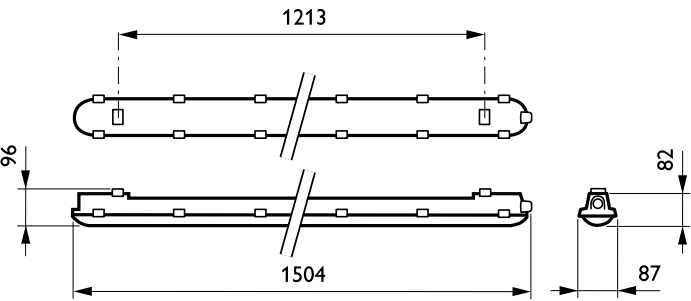## Initial Performance (IEC Compliant)

Initial luminous flux	3400 lm
Luminous flux tolerance	+/-10%
Initial LED luminaire efficacy	117 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	29 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

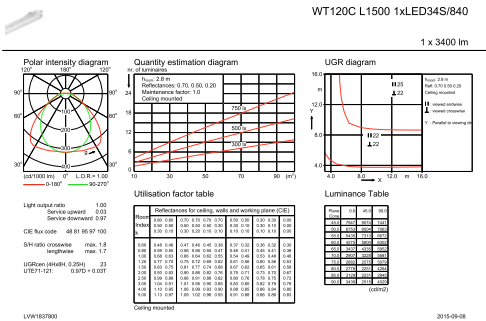|	
Ambient temperature range	-20 to +35 °C
Average ambient temperature	25 °C
Maximum dimming level	Not applicable
Suitable for random switching	Yes (relates to presence/ movement detection and daylight harvesting)

Product Data

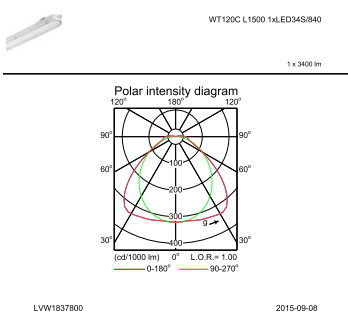|	
Full product code	871829184047300
Order product name	WT120C LED34S/840 PSU L1500
EAN/UPC – product	8718291840473
Order code	84047300
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	910500453337
Net weight (piece)	1.820 kg

Dimensional drawing

CoreLine Waterproof WT120C

CoreLine Waterproof

Photometric data

WT120C L1500 1xLED34S/840

1 x 3400 lm

Polar intensity diagram

(cd/1000 lm) 0° L.O.R.= 1.00
0-180° 90-270°

Light output ratio   1.00
Service upward   0.03
Service downward   0.97

CIE flux code   48 81 95 97 100

S/H ratio crosswise   max. 1.8
         lengthwise   max. 1.7

UGRotn (4H×8H, 0.25H)   23
UTE71-121:   0.97D + 0.03T

Quantity estimation diagram

nr. of luminaires

h_room: 2.8 m
Reflectances: 0.70, 0.50, 0.20
Maintenance factor: 1.0
Ceiling mounted

UGR diagram

Utilisation factor table

Ceiling mounted

Luminance Table

(cd/m2)

LVW1837800   2015-09-08

IFGU1_WT120C L1500 1xLED34S840.EPS

WT120C L1500 1xLED34S/840

1 x 3400 lm

Polar intensity diagram

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0-180° 90-270°

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IFPC1_WT120C L1500 1xLED34S840.EPS

www.lighting.philips.com

2018, March 13 - data subject to change