PHILIPS

WT210C G2 LED50S/ 840 PSD TW1 PMMA L1200

911401828988



CoreLine tubular waterproof gen2, 31 W, L1200 mm, 5000 lm, 4000 K, DALI, Beam angle 120°, Oval reflector, Opal, IP67, IK06, TW1, EL-DC

L1200 mm, Plastic, White, Power supply unit with DALI interface, 5000 lm, 31 W, 161 lm/W, 4000 K, (0.38, 0.38) SDCM<3, Beam angle 120°, Oval reflector, Opal, Polymethyl methacrylate, IP67 | Dust penetration-protected, watertight, IK06 | 1 J, Safety class I, Push-in connector 5-pole, DC operated central emergency lighting

General Information

Number of gear units	1 unit
Driver included	Yes
Sustainability rating	Unclassified
Service tag	No
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	5,000 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	161 lm/W
Color rendering index (CRI)	>80
Light source color	840 neutral white
Optic type	Beam angle 120°
Luminaire light beam spread	120°
Unified glare rating CEN	30

Operating and Electrical

Input Voltage	220-240 V
Line Frequency	0/50/60 Hz
Inrush current	23.1 A
Inrush time	0.221 ms
Power Consumption	31 W
Power Factor (Fraction)	0.90
Connection	Push-in connector 5-pole
Cable	-
Number of products on MCB of 16 A type B	22
Suitable for random switching	Yes
Protection class IEC	Safety class I

Controls and Dimming

Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant light output	No
DALI Standard	DALI-2™

Mechanical and Housing

Housing Material	Plastic
Reflector material	Steel
Optic material	Polymethyl methacrylate
Optical cover material	Polymethyl methacrylate
Fixation material	Stainless steel
Housing Color	White
Optical cover finish	Opal
Overall length	1,310 mm
Overall height	79 mm
Overall diameter	79 mm
Ingress protection code	IP67 [Dust penetration-protected, watertight]
Mech. impact protection code	IK06 [1 J]
Net Weight (Piece)	1.500 kg

Emergency Operation

Central Emergency	Yes
Emergency lighting	DC operated central emergency lighting

Approval and Application

Glow-wire test	Temperature 650 °C, duration 30 s
Flammability mark	For mounting on easily flammable surfaces
CE mark	Yes
ENEC mark	ENEC mark
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Ambient temperature range	-20 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.38, 0.38) SDCM<3
Power consumption tolerance	+/-10%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50000 h	5 %
Control gear failure rate at median useful life 100000 h	10 %
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 50000 h	L90
Lumen maintenance (EN-IEC 62722-2-1) at median useful life* 100000 h	L80

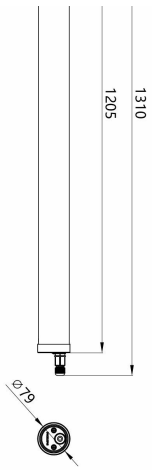
Sustainability Data

Repair class	Repair Class D, this product is not designed to be repaired.
Embedded carbon (A1-A3)	15.1 kg CO_2e
Product non-virgin material ratio	17 %
Recyclable content ratio of the finished product	42.8 %
GWP total B6 (kg CO2eq) Declared Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * Service life (hrs) Declared Unit * Energy mix (kg CO2eq / kwh)
GWP total B6 (kg CO2eq) Functional Unit	Please calculate using your local energy mix value: Power Declared Unit (kW) * 1000 (lm) /lumen output (lm) Declared Unit * 35000 (hrs) * Energy mix (kg CO2 eq / kwh)
Non-virgin material ratio of the packaging	Cardboard > 80% recycled
Packaging Recyclable content ratio	Cardboard recycling rate > 80%
Packaging Material	Cardboard

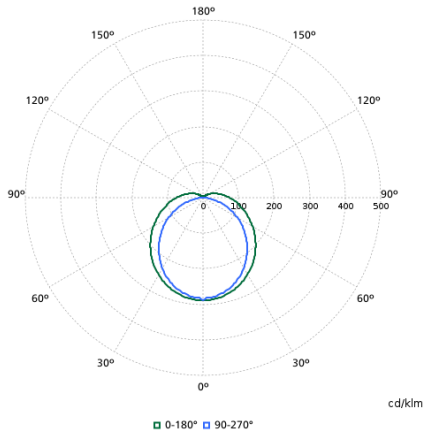
Product Data

Order product name	WT210C G2 LED50S/840 PSD TW1 PMMA L1200
Full product name	WT210C G2 LED50S/840 PSD TW1 PMMA L1200
Full product code	872110332973899
Order code	911401828988
Material Nr. (12NC)	911401828988
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103329738
Numerator - Packs per outer box	6
EAN/UPC - Case	8721103329905

Dimensional drawing



Polar normal diagrams



Compatible Accesories

Accessory Image	Accessory Code	Accessory Name	Website
	911401828188	WT210Z G2 SW2	Product Website
	911401828288	WT210Z G2 SC	Product Website

Related Documents

Documents and certificates	Document Name	Download
Installation Instructions	WT210C-G2-CoreLine-waterproof-tubular-Manual-instruction-PMMA.pdf	Download
Environmental Product Declaration	EPD-HUB-EPD-PHILIPS-CoreLine-tubular-G2-WT210C-PMMA-L1200-Ref-911401828988.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	wt210c-g2-led50s-840-psd-tw1-pmma-l1200-911401828988.ies	Download
LDT File	wt210c-g2-led50s-840-psd-tw1-pmma-l1200-911401828988.ldt	Download
ROLF File	wt210c-g2-led50s-840-psd-tw1-pmma-l1200-911401828988.rolfz	Download
ULD File	wt210c-g2-led50s-840-psd-tw1-pmma-l1200-911401828988.uld	Download
Revit file	wt210c-g2-led50s-840-psd-tw1-pmma-l1200-911401828988.zip	Download

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