PHILIPS

WT140C 54S/840 PSD L1200 TW1

911401892888



CoreLine waterproof quick-fit, 33.5 W, L1230 mm, 5400 lm, 4000 K, DALI, Symmetrical, Opal, IP65, IK08, TW1, EL-DC

L1230 mm, Polycarbonate, White RAL 9003, Power supply unit with DALI interface, 5400 lm, 33.5 W, 161 lm/W, 4000 K, (0.38, 0.37) SDCM<3, Symmetrical, Opal, Polycarbonate, IP65 | Dust penetration-protected, jet-proof, IK08 | 6 J, Safety class I, Push-in connector 5-pole, Feed-through wiring 1-phase, DC operated central emergency lighting

Warnings and Safety

- UV radiation will damage the material over time resulting in loss of waterproof sealing and IP66 rating.
- Do not install the luminaire in locations where it will be exposed to direct sunlight.

General Information

Number of gear units	1 unit
Driver included	Yes
Sustainability rating	Unclassified
Value ladder	Performance
Warranty period	5 years

Light Technical

Luminous Flux	5,400 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	Symmetrical

Luminaire light beam spread	110°
Unified glare rating CEN	27

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	33.5 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
Feed-through wiring	Feed-through wiring 1-phase

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	Polycarbonate
Reflector material	Steel
Optic material	Polycarbonate
Optical cover material	Polycarbonate
Fixation material	Stainless steel
Housing Color	White RAL 9003
Optical cover finish	Opal
Overall length	1,230 mm
Overall width	74 mm
Overall height	69 mm
Dimensions (Height x Width x Depth)	69 x 74 x 1230 mm
Ingress protection code	IP65 [Dust penetration-protected, jet-proof]
Mech. impact protection code	IK08 [6 J]
Net Weight (Piece)	1.290 kg

Emergency Operation

Emergency lighting	DC operated central emergency lighting

Approval and Application

Glow-wire test	Temperature 850 °C, duration 30 s
Flammability mark	For mounting on normally flammable surfaces
CE mark	Yes
ENEC mark	KEMA Netherlands
EU RoHS compliant	Yes
Performance ambient temperature Tq	25 °C
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-25 to +40 °C

Initial Performance (IEC Compliant)

Luminous flux tolerance	-10% / +10%
Initial chromaticity	(0.38, 0.37) SDCM<3
Power consumption tolerance	+/-10%
Standard Deviation of Colour Matching (McAdam ellipse)	SDCM≤3

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

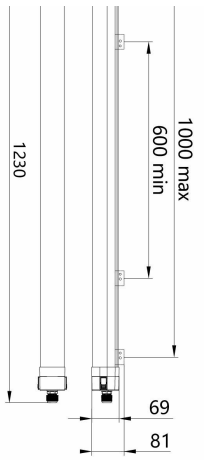
Sustainability Data

Repair class	Repair Class C, the driver of this luminaire can be replaced by a service technician. Special care is required during disassembly and reassembly, and specific tools may be required. Parts and documentation are available for a period of time.
Embedded carbon (A1-A3)	12.1 kg CO_2e
Product non-virgin material ratio	14.6 %
Recyclable content ratio of the finished product	36 %
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

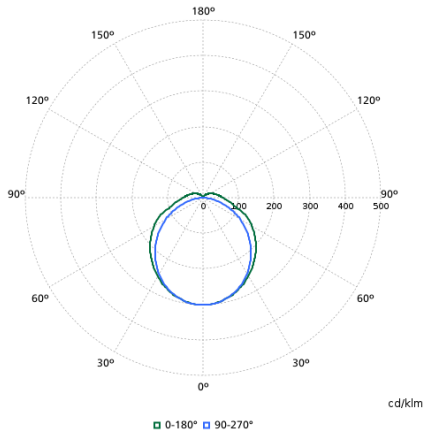
Product Data

Order product name	WT140C 54S/840 PSD L1200 TW1
Full product name	WT140C 54S/840 PSD L1200 TW1
Full product code	872110370493199
Order code	911401892888
Material Nr. (12NC)	911401892888
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103704931
Numerator - Packs per outer box	9
EAN/UPC - Case	8721103705020

Dimensional drawing



Polar normal diagrams



Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	EPD-HUB-EPD-PHILIPS-WT140C-37-46-54-64S-840-PSU-L1200-TW3-911401892588.pdf	Download
Installation Instructions	Installation-instruction-CoreLine-waterproof-quick-fit-WT140-202607.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	wt140c-54s-840-psd-l1200-tw1-911401892888.ies	Download
LDT File	wt140c-54s-840-psd-l1200-tw1-911401892888.ldt	Download
ROLF File	wt140c-54s-840-psd-l1200-tw1-911401892888.rolfz	Download
ULD File	wt140c-54s-840-psd-l1200-tw1-911401892888.uld	Download
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