PHILIPS Lighting



Pacific LED gen4

WT470C LED80S/840 PSD O L1600

PACIFIC LED WATERPROOF, 840 neutral white, Power supply unit with DALI interface, White reflector and opal cover, Screw connection with pug and socket

PacificLED gen4 is a highly efficient and reliable LED waterproof luminaire that offers an excellent quality of light, with a uniform light distribution without visible striping or color artefacts. The range offers modular construction to enable ease of upgrade and maintenance. The new optical system provides distortion-free lighting with improved visual guidance, which makes it ideally suited to general industry, warehouses and parking areas. The range also offers the option of multiple optics to ensure an optimized lighting scheme for a wide range of applications.For industrial applications, PacificLED gen4 offers an open product architecture with toolless access to the gear tray and an innovative end-cap design with built-in connector for fast and easy installation. The single-piece mounting clamp ensures no small, loose components which could affect the primary production process.

Product data

General Information	
Light source replaceable	Yes
Number of gear units	1 unit
Driver included	Yes
Remarks	*-Per Lighting Europe guidance paper
	"Evaluating performance of LED based
	luminaires - January 2018": statistically there
	is no relevant difference in lumen
	maintenance between B50 and for example
	B10. Therefore, the median useful life (B50)
	value also represents the B10 value.

Product family code	WT470C [PACIFIC LED WATERPROOF]
Lighting Technology	LED
Value ladder	Specification
CE mark	Yes
Warranty period	5 years
Flammability mark	For mounting on easily flammable surfaces
ENEC mark	ENEC mark
Glow-wire test	Temperature 850 °C, duration 5 s
EU RoHS compliant	Yes

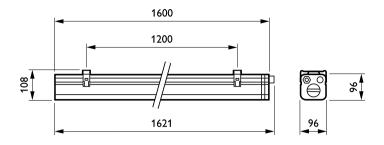
Pacific LED gen4

Light Technical	
Luminous Flux	7,500 lm
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	129 lm/W
Color rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect value (SVM)	0.4
Beam angle of light source	120 degree(s)
Light source color	840 neutral white
Optic type	White reflector and opal cover
Luminaire light beam spread	120° x 120°
Unified glare rating CEN	25
Operating and Electrical	
Input Voltage	220-240 V
Line Frequency	50 to 60 Hz
Inrush current	21 A
Inrush time	0.28 ms
Power Consumption	58 W
Power Factor (Fraction)	0.97
Connection	Screw connection with pug and socket
Cable	-
Number of products on MCB of 16 A type	24
в	
Temperature	
Ambient temperature range	-25 to +45 °C
Controls and Dimming	
Dimmable	Yes
Driver/power unit/transformer	Power supply unit with DALI interface
Control interface	DALI
Constant Robb and and	
Constant light output	No
Constant light output	No
Mechanical and Housing	No
	No Polycarbonate
Mechanical and Housing	
Mechanical and Housing Housing Material	
Mechanical and Housing Housing Material Reflector material	Polycarbonate -
Mechanical and Housing Housing Material Reflector material Optic material	Polycarbonate - Polycarbonate
Mechanical and Housing Housing Material Reflector material Optic material Optical cover material	Polycarbonate - Polycarbonate Polycarbonate

Overall length	1,621 mm
Overall width	96 mm
Overall height	108 mm
Dimensions (Height x Width x Depth)	108 x 96 x 1621 mm
Approval and Application	
Ingress protection code	IP66 [Dust penetration-protected, jet-proof
Mech. impact protection code	IK08 [5 J vandal-protected]
Sustainability rating	Lighting for circularity
Protection class IEC	Safety class I
Initial Performance (IEC Compliant)	
Luminous flux tolerance	+/-7%
Initial chromaticity	(0.38, 0.38) SDCM <3
Power consumption tolerance	+/-11%
Over Time Performance (IEC Compli	
Control gear failure rate at median useful	5 %
life 50000 h	
Control gear failure rate at median useful	10 %
life 100000 h	
Lumen maintenance at median useful life* 50000 h	L80
life 50000 h	
Application Conditions	
Performance ambient temperature Tq	25 °C
Performance ambient temperature Tq Maximum dim level	25 °C 1%
Maximum dim level Suitable for random switching	1%
Maximum dim level	1% Not applicable
Maximum dim level Suitable for random switching Product Data	1%
Maximum dim level Suitable for random switching Product Data Order product name	1% Not applicable WT470C LED80S/840 PSD O L1600
Maximum dim level Suitable for random switching Product Data Order product name Full product name	1% Not applicable WT470C LED80S/840 PSD O L1600 WT470C LED80S/840 PSD O L1600
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Maximum dim level Suitable for random switching Product Data Order product name Full product name Full product code Order code Material Nr. (12NC)	1% Not applicable WT470C LED80S/840 PSD O L1600 WT470C LED80S/840 PSD O L1600 871869638000000 910925863878
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Dimensional drawing





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