



Pacific LED gen4

WT470C LED80S/840 PSD VWB L1600

PACIFIC LED WATERPROOF, 840 neutral white, Power supply unit with DALI interface, Very wide beam, Screw connection with plug 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 colour 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 optimised lighting scheme for a wide range of applications. For industrial applications, PacificLED gen4 offers an open product architecture with tool-less 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 that could affect the primary production process.

Product data

General Information			
Light source replaceable	Yes		
Number of gear units	Unit		
Driver included	Yes		
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the 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

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EU RoHS compliant	Yes
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Light Technical

Luminous Flux	8,000 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	138 lm/W
Colour rendering index (CRI)	>80
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Beam angle of light source	120 degree(s)
Light source colour	840 neutral white
Optic type	Very wide beam
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 plug and socket
Cable	–
Number of products on MCB of 16 A type B	24

Temperature

Ambient temperature range	–25 to +45 °C
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Controls and Dimming

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

Mechanical and Housing

Housing material	Polycarbonate
Reflector material	–
Optic material	Polycarbonate
Optical cover/lens material	Polycarbonate
Fixation material	Steel
Housing Colour	White

Optical cover/lens finish	Clear
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 Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Control gear failure rate at median useful life 100,000 h	10 %
Lumen maintenance at median useful life* 50,000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Maximum dim level	1%
Suitable for random switching	Not applicable

Product Data

Order product name	WT470C LED80S/840 PSD VWB L1600
Full product name	WT470C LED80S/840 PSD VWB L1600
Full EOC	871869637999800
Order code	37999800
Material no. (12 NC)	910925863877
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696379998
Numerator – packs per outer box	1
EAN/UPC – Case	8718696379998

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Dimensional drawing

