![Philips Lighting logo]

Pacific LED gen4

WT480C LED64S/840 PSD O L1600

Pacific LED Circular Economy, 840 neutral white, Power supply unit with DALI interface, White reflector and opal cover, 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	WT480C [Pacific LED Circular Economy]
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

Pacific LED gen4

EU RoHS compliant	Yes

Light Technical

Luminous Flux	6,100 lm
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	131 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	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	4.5 A
Inrush time	1 ms
Power Consumption	46.5 W
Power Factor (Fraction)	0.98
Connection	Screw connection with plug and socket
Cable	–
Number of products on MCB of 16 A type B	18

Temperature

Ambient temperature range	–30 to +45 °C

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	Opal
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* 100,000 h	L70

Application Conditions

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

Product Data

Order product name	WT480C LED64S/840 PSD O L1600
Full product name	WT480C LED64S/840 PSD O L1600
Full EOC	871869638022200
Order code	38022200
Material no. (12 NC)	910925863901
SAP numerator – quantity per pack	1
EAN/UPC — Product/Case	8718696380222
Numerator – packs per outer box	1
EAN/UPC – Case	8718696380222

Pacific LED gen4

Dimensional drawing

www.lighting.philips.com

2023, December 5 – data subject to change