A robust waterproof-lighting luminaire with optimal performance over its lifetime

Pacific LED Gen5 Value

The Pacific LED Gen5 WT475C series is an innovative and best-in-class LED waterproof luminaire that is praised for its optimal performance. It meets the demanding requirements of contemporary and harsh industries. It is a very robust, compact and reliable luminaire, with excellent quality of light. With a high degree of mechanical (IK08), water and dust protection (IP66), combined with proven chemical resistance, the Pacific LED Gen5 WT475C series can perfectly withstand the harsh conditions of automotive, food and heavy industries. But it also performs well in car parks and warehouses. The Pacific LED Gen5 WT475C luminaires provide superior, artefact-free light quality and homogeneous light, offered with multiple optics and a broad range of light outputs. This ensures more flexibility in optimised light scheme planning. They are also designed with a circular approach, which means that these fully serviceable luminaires can be upgraded to extend their overall lifecycle. The luminaires stand out because of their quick-and-easy installation that facilitates through wiring and various connection and mounting options. But also, because of their attractive TCO, energy efficiency and ease of maintenance – with the minimum of disruption to operations in demanding applications. Discover Pacific LED Gen5 WT475C series. Robust luminaires with optimal performance.

Pacific LED Gen5 Value

Benefits
· A compact, robust and reliable solution for a long service life.
· A wide range of industrial applications (food production, heavy and chemical
  industries, automotive, car parks and warehousing)
· Choice of lengths, flux and beam shapes
· High uniformity and artefact-free light distribution
· Less maintenance – a modular approach for easy servicing and parts replacement

Features
· Energy efficient and long lifetime: up to 140 lm/W and lifetime up to 50,000 hrs
  L80
· A robust and compact product architecture, with high water and dust protection
  (IP66), combined with a high degree of mechanical protection (IK08).
· Wide application coverage with lumen output and optics choices, combined with
  high-quality chemically resistant materials.
· High uniformity, glare control and artefact-free light distribution.
· Hassle-free installation and maintenance.
· 3 Hour emergency versions available

Application
· Food processing
· Car parks
· Manufacturing
· Warehouses/distribution centres

Warnings and Safety
· UV radiation will damage the material over time, resulting in loss of waterproof seal and IP66 rating.
· Do not install the luminaire in locations where it will be exposed to direct sunlight
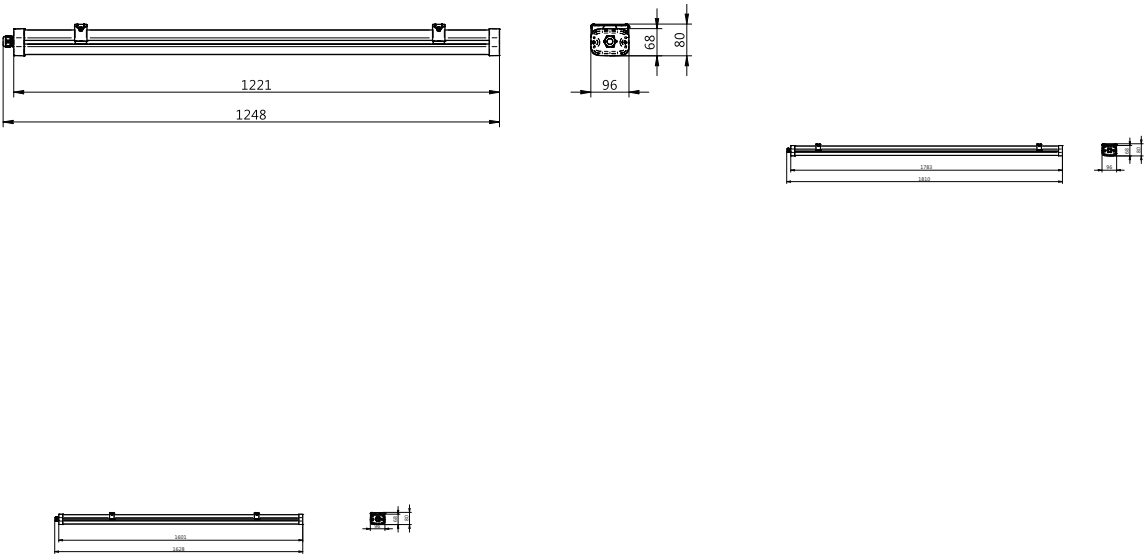
Versions

Pacific LED gen5, L1200

Pacific LED Gen5 Value

Dimensional drawing

1221
1248

68
80
96

1783
1810
96

1601
1628

Product details

Pacific LED gen5 with push in 7–pole (PI7) connector

Pacific LED Gen5 Value

General Information

Driver included	Yes
Light source replaceable	Yes
Number of gear units	Unit
Service Tag	Yes

Light Technical

Correlated Colour Temperature (Nom)	4000 K
Colour rendering index (CRI)	>80
Optic type	Wide beam

Operating and Electrical

Protection class IEC	Safety class I
Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Suitable for random switching	No

Mechanical and Housing

Housing Colour	White
Mech. impact protection code	IK08
Ingress protection code	IP66

Approval and Application

CE mark	Yes
ENEC mark	ENEC plus mark
Flammability mark	For mounting on easily flammable surfaces
Glow-wire test	Temperature 850 °C, duration 30 s
Flickering value (PstLM)	1
Stroboscopic effect	0.4

Initial Performance (IEC Compliant)

Initial chromaticity	(0.38, 0.38) SDCM <3
Luminous flux tolerance	+/-7%

Product Data

Product family code	WT475C

Light Technical

Order Code	Full Product Name	Luminous efficacy (rated) (nom.)	Luminous Flux
62362000	WT475C 62S/840 PSU WB L1800	141 lm/W	6,200 lm
62363700	WT475C 107S/840 PSU WB L1800	132 lm/W	10,700 lm
62313200	WT475C 42S/840 PSU WB L1200	141 lm/W	4,200 lm
62338500	WT475C 72S/840 PSU WB ELB3 L1200	133 lm/W	7,200 lm
62361300	WT475C 72S/840 PSU WB L1200	133 lm/W	7,200 lm
62487000	WT475C 72S/840 PSD WB L1600	131 lm/W	7,200 lm
62488700	WT475C 72S/840 PSU WB L1600	133 lm/W	7,200 lm

Operating and Electrical

Order Code	Full Product Name	Power Consumption	Order Code	Full Product Name	Power Consumption
62362000	WT475C 62S/840 PSU WB L1800	44 W	62361300	WT475C 72S/840 PSU WB L1200	54 W
62363700	WT475C 107S/840 PSU WB L1800	81 W	62487000	WT475C 72S/840 PSD WB L1600	55 W
62313200	WT475C 42S/840 PSU WB L1200	29.8 W	62488700	WT475C 72S/840 PSU WB L1600	54 W
62338500	WT475C 72S/840 PSU WB ELB3 L1200	54 W			

Controls and Dimming

Pacific LED Gen5 Value

Order Code	Full Product Name	Dimmable
62362000	WT475C 62S/840 PSU WB L1800	No
62363700	WT475C 107S/840 PSU WB L1800	No
62313200	WT475C 42S/840 PSU WB L1200	No
62338500	WT475C 72S/840 PSU WB ELB3 L1200	No

Order Code	Full Product Name	Dimmable
62361300	WT475C 72S/840 PSU WB L1200	No
62487000	WT475C 72S/840 PSD WB L1600	Yes
62488700	WT475C 72S/840 PSU WB L1600	No

Emergency Operation

| Order Code	Full Product Name	Emergency lighting	Rated duration of the emergency lighting (when fully charged)
62362000	WT475C 62S/840 PSU WB L1800	–	–
62363700	WT475C 107S/840 PSU WB L1800	–	–
62313200	WT475C 42S/840 PSU WB L1200	–	–
62338500	WT475C 72S/840 PSU WB ELB3 L1200	Emergency lighting 3-hours duration basic version	3 h

Order Code	Full Product Name	Emergency lighting	Rated duration of the emergency lighting (when fully charged)
62361300	WT475C 72S/840 PSU WB L1200	–	–
62487000	WT475C 72S/840 PSD WB L1600	–	–
62488700	WT475C 72S/840 PSU WB L1600	–	–

Approval and Application

Order Code	Full Product Name	Ambient temperature range
62362000	WT475C 62S/840 PSU WB L1800	–25 to +45 ℃
62363700	WT475C 107S/840 PSU WB L1800	–25 to +45 ℃
62313200	WT475C 42S/840 PSU WB L1200	–25 to +45 ℃
62338500	WT475C 72S/840 PSU WB ELB3 L1200	0 to +30 ℃

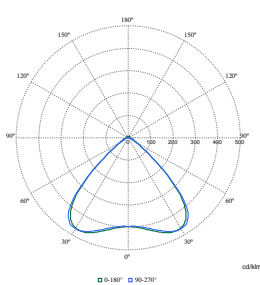| Order Code	Full Product Name	Ambient temperature range
62361300	WT475C 72S/840 PSU WB L1200	–25 to +45 ℃
62487000	WT475C 72S/840 PSD WB L1600	–25 to +45 ℃
62488700	WT475C 72S/840 PSU WB L1600	–25 to +45 ℃

Polar Wide Diagrams
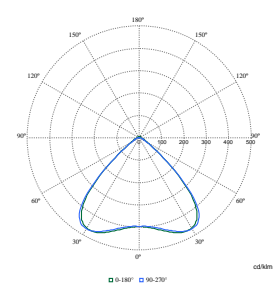
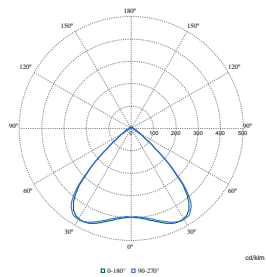**Polar Normal (separate) – WT475CI – 910925868248**
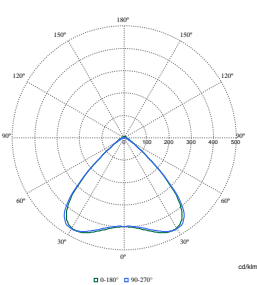
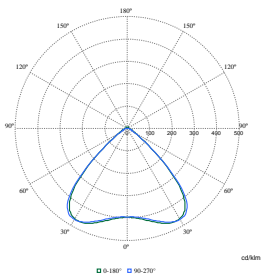**Polar Normal (separate) – WT475CI – 910925868273**

Polar Normal (separate) – WT475CI – 910925868298
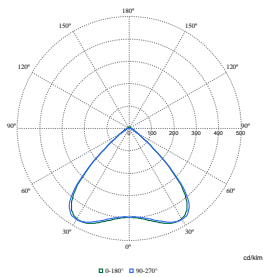
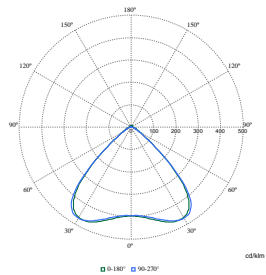# Pacific LED Gen5 Value

Polar Wide Diagrams

Polar Normal (separate) – WT475CI – 910925868296

Polar Normal (separate) – WT475CI – 910925868424

Polar Normal (separate) – WT475CI – 910925868425

Polar Normal (separate) – WT475CI – 910925868297

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2023, August 2 – data subject to change