PHILIPS

Lighting

A robust, connectable luminaire that gives outstanding performance.

Pacific LED Gen5

The Pacific LED gen5 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 can perfectly withstand the harsh conditions of the automotive, food and heavy industries. But it also performs well in car parks and warehouses. Pacific LED gen5 luminaires provide superior, artefact-free light quality and homogeneous light, offered with multiple optics and a broad range of light outputs (up to 15,000 lm). 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. They are also favoured for TCO, energy efficiency and ease of maintenance – with a minimum of disruption to operations in demanding applications. To make the Pacific LED gen5 even more complete, system integration with Interact Industry opens up additional opportunities for optimised efficiency, energy savings, improved light management, productivity and safety, making it future-proof in every aspect. Discover Pacific LED gen5. Optimal performance for demanding environments.

Pacific LED Gen5

Benefits

- Long service life, offering peace of mind for your lighting installation.
- Suitable for industrial application due to its wide coverage, including food production, heavy and chemical industries, automotive, car parks and warehousing.
- Lowers your maintenance investments due to easy servicing and parts replacements with a modular approach.
- Can be integrated into an Interact connected lighting installation to optimise your operations and maximise energy saving and insights.

Features

- Highly energy efficiency and long lifetime: up to 160 lm/W and lifetime up to 100,000 hrs L80.
- Wide application coverage with extensive lumen output (up to 15,000 lumen) and optics choice, combined with high-quality chemically resistant materials.
- A robust and compact product architecture, with high water and dust protection (IP66), combined with a high degree of mechanical protection (IK08).
- High uniformity, glare control and artefact-free light distribution.
- Hassle-free installation and maintenance.

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 sealing and IP66 rating.
- Do not install the luminaire in locations where it will be exposed to direct sunlight.

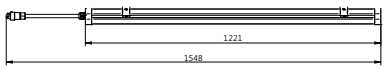
Versions

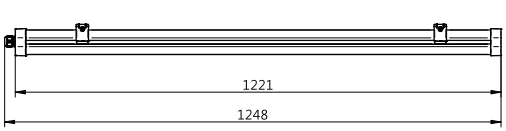
Pacific LED gen5, L1800

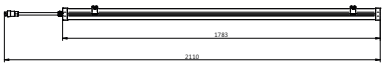
Pacific LED gen5,, L1600

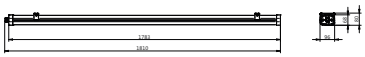
Pacific LED Gen5

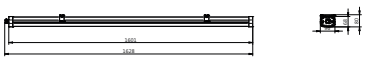
Dimensional drawing











Product details

Pacific LED gen5 with push in 5-pole (PI5) connecto

Pacific LED gen5 with Wieland connector

Pacific LED Gen5

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

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%

Light Technical

Order Code	Full Product Name	Luminous efficacy (rated) (nom.)	Luminous Flux	Optic type
910925868293	WT490C 100S/840 PSU WB PI5 L1800	161 lm/W	10,000 lm	Wide beam
910925868704	WT492C 64S/840 PSU WB W5 L1200	160 lm/W	6,400 lm	Wide beam
910925868705	WT492C 80S/840 PSU WB W5 L1800	165 lm/W	8,000 lm	Wide beam
910925868706	WT492C 64S/840 PSD WB W5 L1200	162 lm/W	6,400 lm	Wide beam
910925868707	WT492C 80S/840 PSD WB W5 L1800	165 lm/W	8,000 lm	Wide beam
910925867704	WT490C 42S/840 PSD WB PI5 L1200	162 lm/W	4,200 lm	Wide beam
910925867710	WT490C 64S/840 PSU WB ELP3 PI5 L1200	146 lm/W	6,400 lm	Wide beam
910925867729	WT490C 80S/840 PSD VWB PI5 L1200	157 lm/W	8,000 lm	Very wide beam
910925868288	WT490C 42S/840 PSU WB PI5 L1200	165 lm/W	4,200 lm	Wide beam
910925868289	WT490C 64S/840 PSU WB PI5 L1200	160 lm/W	6,400 lm	Wide beam
910925868691	WT490C 35S/840 PSU WB PI5 L1200	159 lm/W	3,500 lm	Wide beam
910925868412	WT490C 64S/840 PSD WB PI5 L1600	162 lm/W	6,400 lm	Wide beam
910925868414	WT490C 64S/840 PSU WB PI5 L1600	160 lm/W	6,400 lm	Wide beam

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925868293	WT490C 100S/840 PSU WB PI5 L1800	62 W
910925868704	WT492C 64S/840 PSU WB W5 L1200	40 W
910925868705	WT492C 80S/840 PSU WB W5 L1800	49 W
910925868706	WT492C 64S/840 PSD WB W5 L1200	39.5 W
910925868707	WT492C 80S/840 PSD WB W5 L1800	48.5 W
910925867704	WT490C 42S/840 PSD WB PI5 L1200	26 W
910925867710	WT490C 64S/840 PSU WB ELP3 PI5 L1200	44 W

Order Code	Full Product Name	Power Consumption
910925867729	WT490C 80S/840 PSD VWB PI5 L1200	51 W
910925868288	WT490C 42S/840 PSU WB PI5 L1200	25.5 W
910925868289	WT490C 64S/840 PSU WB PI5 L1200	40 W
910925868691	WT490C 35S/840 PSU WB PI5 L1200	22 W
910925868412	WT490C 64S/840 PSD WB PI5 L1600	39.5 W
910925868414	WT490C 64S/840 PSU WB PI5 L1600	40 W

Controls and Dimming

Order Code	Full Product Name	Dimmable
910925868293	WT490C 100S/840 PSU WB PI5 L1800	No

Order Code	Full Product Name	Dimmable
910925868704	WT492C 64S/840 PSU WB W5 L1200	No

Order Code	Full Product Name	Dimmable
910925868705	WT492C 80S/840 PSU WB W5 L1800	No
910925868706	WT492C 64S/840 PSD WB W5 L1200	Yes
910925868707	WT492C 80S/840 PSD WB W5 L1800	Yes
910925867704	WT490C 42S/840 PSD WB PI5 L1200	Yes
910925867710	WT490C 64S/840 PSU WB ELP3 PI5 L1200	No
910925867729	WT490C 80S/840 PSD VWB PI5 L1200	Yes

Order Code	Full Product Name	Dimmable
910925868288	WT490C 42S/840 PSU WB PI5 L1200	No
910925868289	WT490C 64S/840 PSU WB PI5 L1200	No
910925868691	WT490C 35S/840 PSU WB PI5 L1200	No
910925868412	WT490C 64S/840 PSD WB PI5 L1600	Yes
910925868414	WT490C 64S/840 PSU WB PI5 L1600	No

Mechanical and Housing

Order Code	Full Product Name	Explosion hazard class
910925868293	WT490C 100S/840 PSU WB PI5 L1800	-
910925868704	WT492C 64S/840 PSU WB W5 L1200	Zone 2 and 22
910925868705	WT492C 80S/840 PSU WB W5 L1800	Zone 2 and 22
910925868706	WT492C 64S/840 PSD WB W5 L1200	Zone 2 and 22
910925868707	WT492C 80S/840 PSD WB W5 L1800	Zone 2 and 22
910925867704	WT490C 42S/840 PSD WB PI5 L1200	-
910925867710	WT490C 64S/840 PSU WB ELP3 PI5 L1200	-

Order Code	Full Product Name	Explosion hazard class
910925867729	WT490C 80S/840 PSD VWB PI5 L1200	-
910925868288	WT490C 42S/840 PSU WB PI5 L1200	-
910925868289	WT490C 64S/840 PSU WB PI5 L1200	-
910925868691	WT490C 35S/840 PSU WB PI5 L1200	-
910925868412	WT490C 64S/840 PSD WB PI5 L1600	-
910925868414	WT490C 64S/840 PSU WB PI5 L1600	-

Emergency Operation

Order Code	Full Product Name	Emergency lighting	Rated duration of the emergency lighting (when fully charged)
910925868293	WT490C 100S/840 PSU WB PI5 L1800	-	-
910925868704	WT492C 64S/840 PSU WB W5 L1200	-	-
910925868705	WT492C 80S/840 PSU WB W5 L1800	-	-
910925868706	WT492C 64S/840 PSD WB W5 L1200	-	-
910925868707	WT492C 80S/840 PSD WB W5 L1800	-	-
910925867704	WT490C 42S/840 PSD WB PI5 L1200	-	-
910925867710	WT490C 64S/840 PSU WB ELP3 PI5 L1200	Emergency lighting 3-hour	3 h

Order Code	Full Product Name	Emergency lighting	Rated duration of the emergency lighting (when fully charged)
		duration Pro version	
910925867729	WT490C 80S/840 PSD VWB PI5 L1200	-	-
910925868288	WT490C 42S/840 PSU WB PI5 L1200	-	-
910925868289	WT490C 64S/840 PSU WB PI5 L1200	-	-
910925868691	WT490C 35S/840 PSU WB PI5 L1200	-	-
910925868412	WT490C 64S/840 PSD WB PI5 L1600	-	-
910925868414	WT490C 64S/840 PSU WB PI5 L1600	-	-

Approval and Application

Order Code	Full Product Name	Ambient temperature range
910925868293	WT490C 100S/840 PSU WB PI5 L1800	-25 to +45 °C
910925868704	WT492C 64S/840 PSU WB W5 L1200	-25 to +45 °C
910925868705	WT492C 80S/840 PSU WB W5 L1800	-25 to +45 °C
910925868706	WT492C 64S/840 PSD WB W5 L1200	-25 to +45 °C
910925868707	WT492C 80S/840 PSD WB W5 L1800	-25 to +45 °C
910925867704	WT490C 42S/840 PSD WB PI5 L1200	-25 to +45 °C
910925867710	WT490C 64S/840 PSU WB ELP3 PI5 L1200	0 to +40 °C

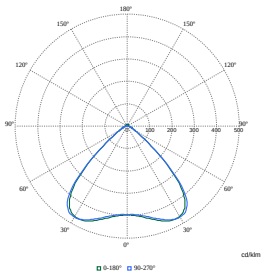
Order Code	Full Product Name	Ambient temperature range
910925867729	WT490C 80S/840 PSD VWB PI5 L1200	-25 to +45 °C
910925868288	WT490C 42S/840 PSU WB PI5 L1200	-25 to +45 °C
910925868289	WT490C 64S/840 PSU WB PI5 L1200	-25 to +45 °C
910925868691	WT490C 35S/840 PSU WB PI5 L1200	-25 to +45 °C
910925868412	WT490C 64S/840 PSD WB PI5 L1600	-25 to +45 °C
910925868414	WT490C 64S/840 PSU WB PI5 L1600	-25 to +45 °C

Product Data

Order Code	Full Product Name	Product family code
910925868293	WT490C 100S/840 PSU WB PI5 L1800	WT490C
910925868704	WT492C 64S/840 PSU WB W5 L1200	WT492C
910925868705	WT492C 80S/840 PSU WB W5 L1800	WT492C
910925868706	WT492C 64S/840 PSD WB W5 L1200	WT492C
910925868707	WT492C 80S/840 PSD WB W5 L1800	WT492C
910925867704	WT490C 42S/840 PSD WB PI5 L1200	WT490C
910925867710	WT490C 64S/840 PSU WB ELP3 PI5 L1200	WT490C

Order Code	Full Product Name	Product family code
910925867729	WT490C 80S/840 PSD VWB PI5 L1200	WT490C
910925868288	WT490C 42S/840 PSU WB PI5 L1200	WT490C
910925868289	WT490C 64S/840 PSU WB PI5 L1200	WT490C
910925868691	WT490C 35S/840 PSU WB PI5 L1200	WT490C
910925868412	WT490C 64S/840 PSD WB PI5 L1600	WT490C
910925868414	WT490C 64S/840 PSU WB PI5 L1600	WT490C

Polar Wide Diagrams



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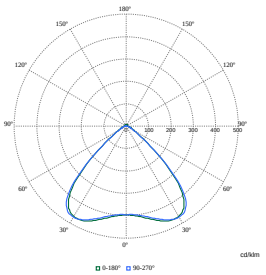

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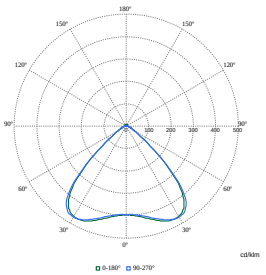

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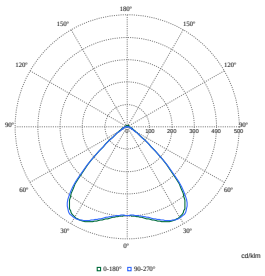

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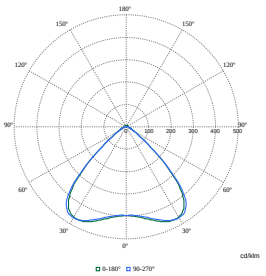

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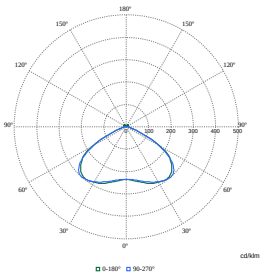

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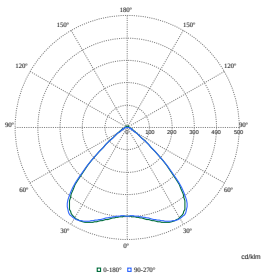

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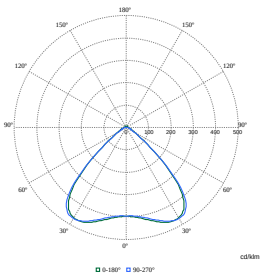

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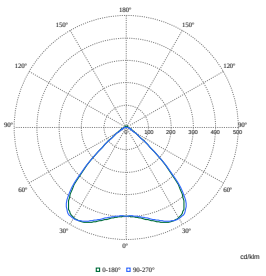

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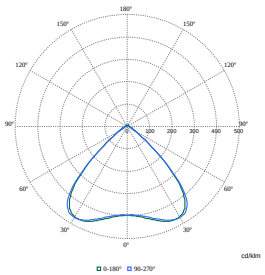
Pacific LED Gen5

Polar Wide Diagrams



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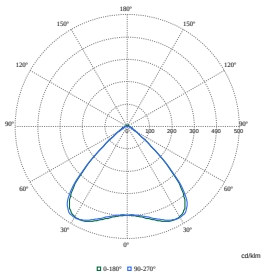

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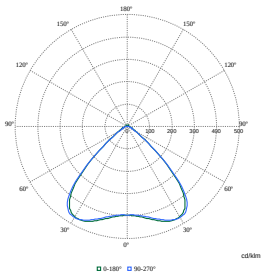

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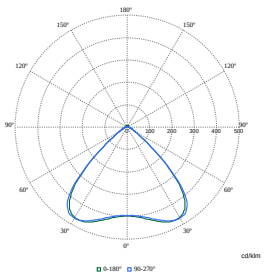

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