PHILIPS

Lighting

Robust, connectable luminaire with outstanding performance.

Pacific LED Gen5

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 parking garages and warehouses. Pacific LED gen5 luminaires provide superior, artefact-free light quality and homogeneous light, offered with multiple optics and broad range of light outputs (up to 15,000 lm). This ensures more flexibility in optimized light scheme planning. They are also designed with a circular approach, which means 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 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 optimized 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 on your lighting installation.
- Suitable for your industrial application due to wide coverage including food production, heavy and chemical industries, automotive, parking garages 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 optimize your operations and maximize energy saving and insights.

Features

- Highly energy efficient 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 15000 lumen) and optics choice, combined with high quality chemical-resistant materials.
- 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 distributions.
- Hassle-free installation and maintenance.

Application

- Food Processing
- Parking Garages
- Manufacturing
- Warehouses/distribution centers

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.

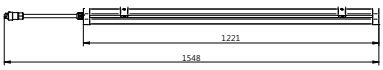
Versions

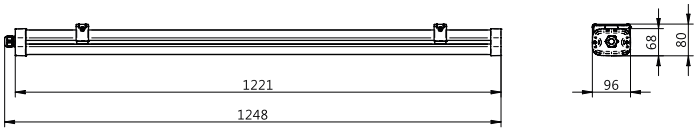
Pacific LED gen5, L1800

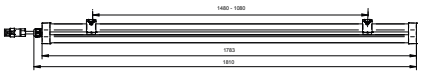
Pacific LED gen5, ATEX 2/22, Wieland connector

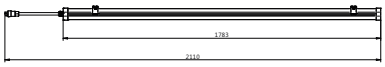
Pacific LED gen5, L700

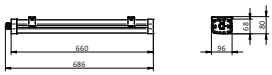
Dimensional drawing

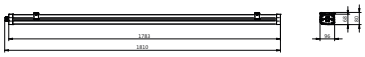


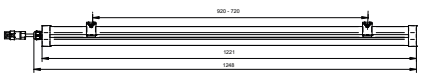












Product details

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

Pacific LED gen5 with Wieland connector

General Information	
Driver included	Yes
Light source replaceable	Yes
Number of gear units	1 unit
Service tag	Yes

Light Technical	
Correlated Color Temperature (Nom)	4000 K
Color 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

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Housing Color	White
Mech. impact protection code	IK08
Ingress protection code	IP66

Approval and Application	
Ambient temperature range	-25 to +45 °C
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) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	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
910925867731	WT490C 80S/840 PSU NB-HRO PI5L1800	165 lm/W	8,000 lm	Narrow beam - High-rack optic
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
910925867719	WT490C 80S/840 PSU NB-HRO PI5L1200	157 lm/W	8,000 lm	Narrow beam - High-rack optic
910925868288	WT490C 42S/840 PSU WB PI5 L1200	165 lm/W	4,200 lm	Wide beam
910925868290	WT490C 80S/840 PSU WB PI5 L1200	157 lm/W	8,000 lm	Wide beam
910925868287	WT490C 23S/840 PSU WB PI5 L700	151 lm/W	2,300 lm	Wide beam

Operating and Electrical

Order Code	Full Product Name	Power Consumption
910925867731	WT490C 80S/840 PSU NB-HRO PI5L1800	48.5 W
910925868704	WT492C 64S/840 PSU WB W5 L1200	40 W
910925868705	WT492C 80S/840 PSU WB W5 L1800	49 W
910925867719	WT490C 80S/840 PSU NB-HRO PI5L1200	51 W

Order Code	Full Product Name	Power Consumption
910925868288	WT490C 42S/840 PSU WB PI5 L1200	25.5 W
910925868290	WT490C 80S/840 PSU WB PI5 L1200	51 W
910925868287	WT490C 23S/840 PSU WB PI5 L700	15.2 W

Mechanical and Housing

Order Code	Full Product Name	Explosion hazard class
910925867731	WT490C 80S/840 PSU NB-HRO PI5L1800	-
910925868704	WT492C 64S/840 PSU WB W5 L1200	Zone 2 and 22
910925868705	WT492C 80S/840 PSU WB W5 L1800	Zone 2 and 22
910925867719	WT490C 80S/840 PSU NB-HRO PI5L1200	-

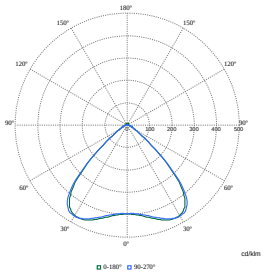
Order Code	Full Product Name	Explosion hazard class
910925868288	WT490C 42S/840 PSU WB PI5 L1200	-
910925868290	WT490C 80S/840 PSU WB PI5 L1200	-
910925868287	WT490C 23S/840 PSU WB PI5 L700	-

Product Data

Order Code	Full Product Name	Product family code
910925867731	WT490C 80S/840 PSU NB-HRO PI5L1800	WT490C
910925868704	WT492C 64S/840 PSU WB W5 L1200	WT492C
910925868705	WT492C 80S/840 PSU WB W5 L1800	WT492C
910925867719	WT490C 80S/840 PSU NB-HRO PI5L1200	WT490C

Order Code	Full Product Name	Product family code
910925868288	WT490C 42S/840 PSU WB PI5 L1200	WT490C
910925868290	WT490C 80S/840 PSU WB PI5 L1200	WT490C
910925868287	WT490C 23S/840 PSU WB PI5 L700	WT490C

Polar Wide Diagrams



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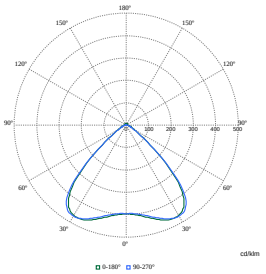

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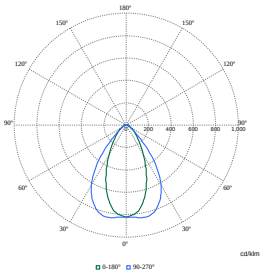

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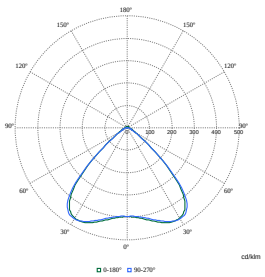

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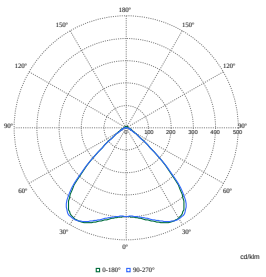

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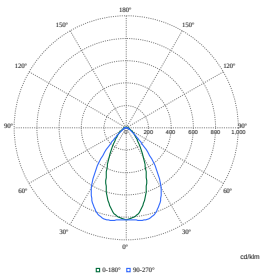
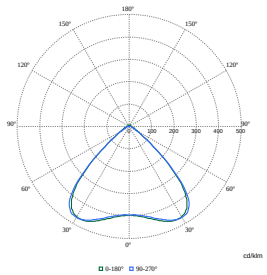


Polar Normal (separate) - WT490CI - 910925867731

Pacific LED Gen5

Polar Wide Diagrams



Polar Normal (separate) - WT490CI - 910925868704