

PHILIPS

Lighting



Pacific LED Gen5

Product Family Name - WT490C T45 42S/830 PSU WB L1200

Configuration ID - WT490CI-c1a6435a-ae09-450f-be63-3a9c76a21847

Introduction

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.

Light technical report

Drivers

Initial input power *	25.50 W
Initial LED luminaire efficacy (system) *	152.00 lm/W

Optics

Optical configuration	WB
LOR	1.00
CIE code	71 96 99 98 100
Unified Glare Rating	18.2
Beam spread	95° x 95°

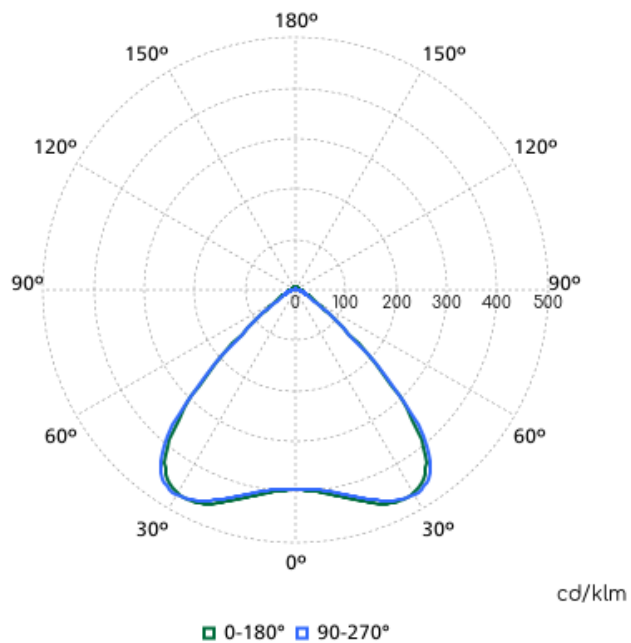
Light engine

Light source color	830 - 3000K CRI 80
Init. Color Rendering Index	80
Init. Corr. Color Temperature	3000 K
Initial luminous flux (system flux) *	3900.0 lm

Mechanical And Housing

Overall height	0.096
Overall width	0.068
Overall length	1.22
Dimensions(Height x Width x Depth)	0.096 x 0.068 x 1.22

* Specifications are indicative and subject to change/update without notice



Glare rating regarding UGR

Ceiling	70	70	50	50	30	70	70	50	50	30	
Walls	50	30	50	30	30	50	30	50	30	30	
Floor	20	20	20	20	20	20	20	20	20	20	
Room size		Viewed crosswise					Viewed endwise				
X	Y										
2H	2H	17.9	18.9	18.2	19.1	19.4	18.3	19.3	18.6	19.5	19.8
	3H	17.9	18.8	18.3	19.1	19.4	18.3	19.2	18.6	19.4	19.7
	4H	18.0	18.8	18.3	19.1	19.4	18.3	19.1	18.6	19.4	19.7
	6H	18.0	18.7	18.3	19.0	19.4	18.2	19.0	18.6	19.3	19.6
	8H	18.0	18.7	18.3	19.0	19.3	18.2	18.9	18.6	19.2	19.6
	12H	18.0	18.6	18.3	19.0	19.3	18.1	18.8	18.5	19.2	19.5
4H	2H	17.8	18.6	18.2	18.9	19.2	18.2	19.0	18.6	19.3	19.6
	3H	17.9	18.6	18.3	18.9	19.3	18.2	18.9	18.6	19.2	19.6
	4H	18.0	18.6	18.4	18.9	19.3	18.2	18.8	18.6	19.2	19.6
	6H	18.0	18.5	18.5	18.9	19.4	18.2	18.7	18.6	19.1	19.5
	8H	18.0	18.5	18.5	18.9	19.4	18.2	18.6	18.6	19.1	19.5
	12H	18.1	18.5	18.5	18.9	19.4	18.1	18.6	18.6	19.0	19.5
8H	4H	17.9	18.4	18.4	18.8	19.2	18.2	18.6	18.6	19.0	19.5
	6H	18.0	18.4	18.5	18.8	19.3	18.2	18.5	18.6	19.0	19.5
	8H	18.1	18.4	18.6	18.9	19.4	18.2	18.5	18.7	19.0	19.5
	12H	18.1	18.4	18.6	18.9	19.4	18.1	18.4	18.6	18.9	19.4
12H	4H	17.9	18.3	18.4	18.7	19.2	18.1	18.6	18.6	19.0	19.5
	6H	18.0	18.3	18.5	18.8	19.3	18.1	18.5	18.6	18.9	19.5
	8H	18.0	18.3	18.6	18.8	19.4	18.1	18.4	18.7	18.9	19.4
Variation of observer position for luminaire distances S											
S = 1.0H	+1.5 / -3.0					+1.6 / -3.8					
S = 1.5H	+3.3 / -4.4					+3.8 / -5.6					
S = 2.0H	+5.1 / -5.1					+5.7 / -6.6					
Standard table	BK01					BK00					
Correction summand	0.1					0.1					
Corrected glare indices based on the total luminous flux 3836 lm. UGR diagram according to CIE 117 with SHR 0.25											