

JGL-PS SERIES PREMIUM OUT-PUT GROW LIGHTS WITH WATTAGE SELECTABLE STEP-LESS DIMMING

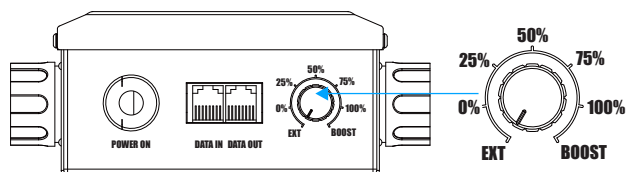
Product Description

Jademar's **JGL-PS Premium Out-Put Grow Lights** is perfect for Indoor plant cultivation. As the agriculture industry continues to grow, there are greater challenges like efficiency, energy consumption and ease of maintenance, and we design our grow lights with high quality components and in a modular way to address these challenges.

Our LED grow lights focus on providing the best lighting solution, while offering less energy consumption in a range of 50-70% less than standard lighting. Our grow light has options for **manual wattage selectable step-less dimming** prior to installation to control the energy consumption and light output of each individual light.

Features

- **Three spectrums options:** Indoor Spectrum (standard), Full Spectrum and Greenhouse Spectrum
- **Folding Design:** This design allows for easy packing, installation, and reduction of shipping cost.
- **Dimming & Mounting:** 0-10V Dimming Standard and Height Adjustable Aircraft Cables Included for Suspension Mount.
- **Manual Wattage Selectable Step-Less Dimming:** up to five different wattage options per fixture with tolerance (*see table below for more details*).
- **Modular Design:** 1-In & Out RJ-12 interface on each fixture for connecting multiple lights in parallel with network cables. A max connection of 50m/164ft (around 13 units) to 100m/328ft (around 20 units).
- **Certifications and Compliance:** ETL Certified for Photo Synthetic Safety



MANUAL WATTAGE SELECTABLE STEP-LESS DIMMING

Primary Power	0	25%	50%	75%	100%	BOOST
JGL-PS-240W	Manual Dimming	60W	120W	180W	240W	260W
JGL-PS-320W		80W	160W	240W	320W	340W
JGL-PS-480W		120W	240W	360W	480W	500W
JGL-PS-660W		165W	330W	495W	660W	700W
JGL-PS-960W		240W	480W	720W	960W	1000W

Performance Summary

Primary Input Power	240W Model (260W BOOST) 320W Model (340W BOOST) 480W Model (500W BOOST) 660W Model (700W BOOST) 960W Model (1000W BOOST)
Photosynthetic photon flux	240W Model (624 μmols) 320W Model (832 μmols) 480W Model (1248 μmols) 660W Model (1820 μmols) 960W Model (2496 μmols)
Efficiency	2.6μmol/J
Input Voltage	120-277VAC 50/60Hz
Spectrum	Indoor Spectrum (Standard) Full Spectrum and Greenhouse Spectrum (Optional)
CRI	>80 Standard
Ingress Protection	Damp Locations
Certifications & Compliance	ETL Listed
Lifetime Based on TM21	L70 ≥ 60,000 / L80 ≥ 52,000 / L90 ≥ 40,000 Hrs
Limited Warranty	5 Years

Certifications & Compliance



240W



480W



320W/660W



960W

Information contained herein is subject to change without notice.
Values are nominal.
Revised 08/2021



SPECIFICATION SUBMITTAL DETAIL

Project Name/Type:		Date:	
Catalog/Part #:			

JGL-PS SERIES PREMIUM OUT-PUT GROW LIGHTS WITH WATTAGE SELECTABLE STEP-LESS DIMMING

Ordering Information Example: **JGL-PS-660W-D-IS-GR**

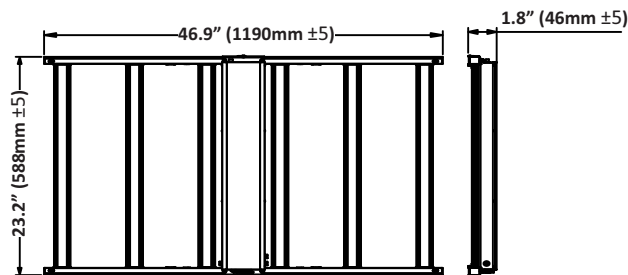
Product Series	Primary Input Power	Input Voltage	CRI	Dimming	Spectrum Type	Finish
JGL-PS	240W (260 BOOST) 320W (340 BOOST) 480W (500 BOOST) 660W (700 BOOST) 960W (1000 BOOST)	Blank (120-277VAC) Standard	Blank (80 CRI) Standard	D (0-10V Dimming) Standard	IS (Indoor Spectrum) Standard FS (Full Spectrum) GS (Green Spectrum)	GR (Gray Finish) Standard

Electrical and Performance Data

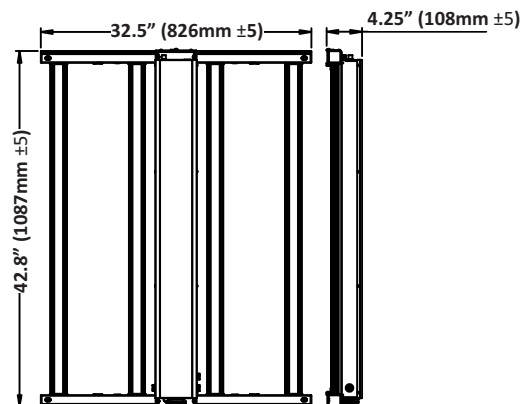
Model Number	JGL-PS-240W					JGL-PS-320W									
	260W BOOST					360W BOOST									
Nominal Wattage		240W	180W	120W	60W		320W	240W	160W	80W					
Luminous Efficacy (μmol/J)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6					
Photosynthetic Photon Flux (μmols)	676	624	468	312	156	936	832	624	416	208					
Dimensions (L x W x H)	23.2" X 46.9" X 1.8"					42.8" x 46.9" x 4.3"									
Model Number	JGL-PS-480W					JGL-PS-660W					JGL-PS-960W				
	500W BOOST					700W BOOST					1000W BOOST				
Nominal Wattage		480W	360W	240W	120W		660W	495W	330W	165W		960W	720W	480W	240W
Luminous Efficacy (μmol/J)	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Photosynthetic Photon Flux (μmols)	1,300	1,248	936	624	312	1,820	1,716	12,800	858	429	2,600	2,496	1,872	1,248	624
Dimensions (L x W x H)	42.8" x 32.5" x 4.3"					42.8" x 46.9" x 4.3"					42.8" x 58.7" x 4.3"				
Input Voltage	120-277VAC standard														
CRI	>80														
Power Factor	>0.9														
THD	<20%														
Ingress Protection Rating	Damp Locations														
Light Distribution	120 Degrees														
Surge Protection	5KV Line-Line, 10KV Line-Earth														
Dimming / Control Options	0-10V Dimming (Standard)														
Certifications & Compliance	ETL Listed														
Housing Material	Gray Finish Aluminum Alloy														
Lifetime Based on TM21	L70 ≥60,000Hrs. (Default Based on Primary Wattage) / L80 ≥52,000Hrs. / L90 ≥40,000Hrs.														
Ambient Working Temp	-40°C to 50°C (-40°F to 122°F)														
Limited Warranty	5 Years														



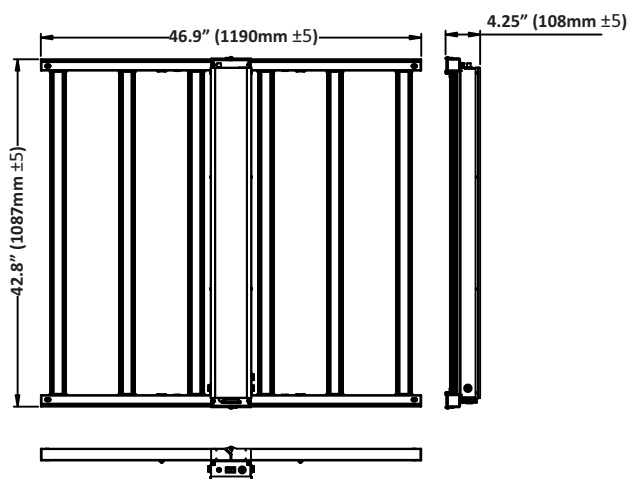
PRODUCT DIMENSIONS



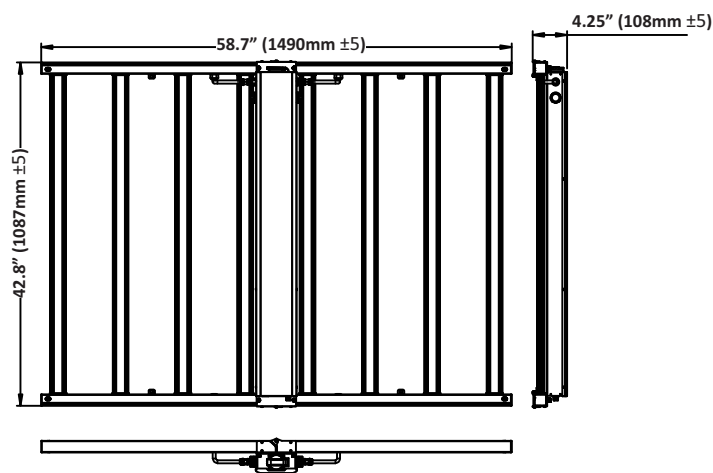
JGL-PS-240W



JGL-PS-480W



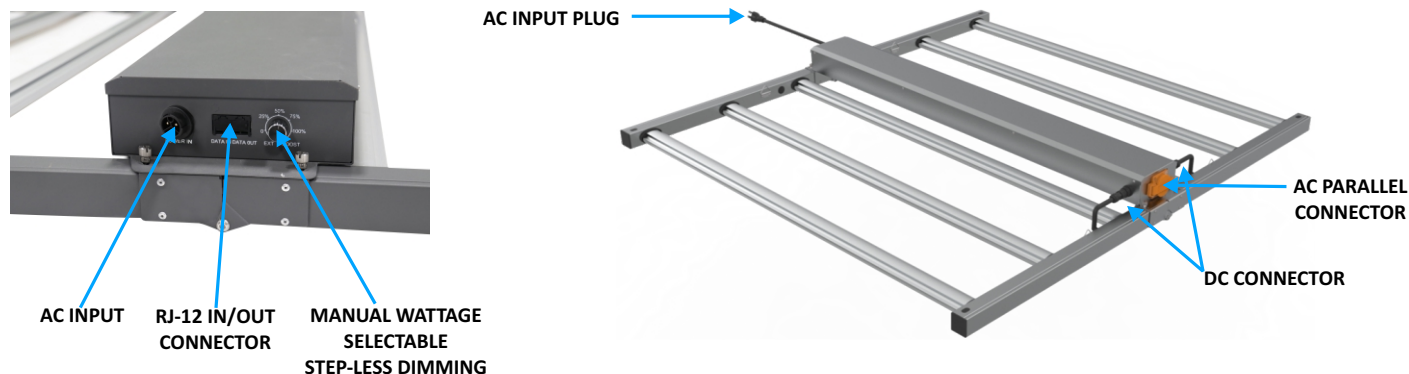
JGL-PS-320W
JGL-PS-660W



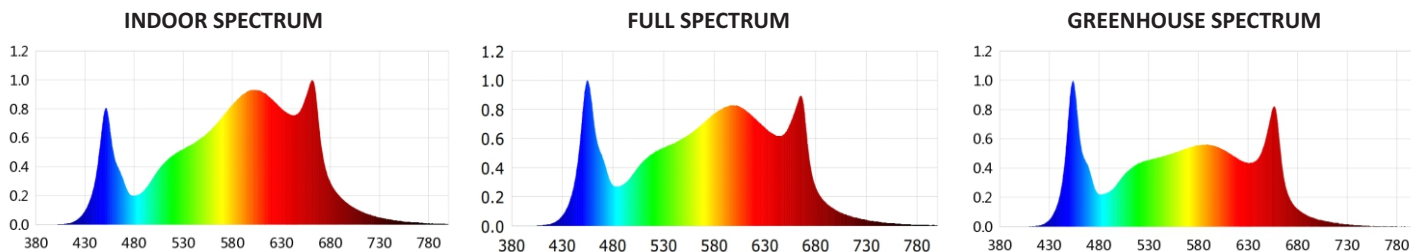
JGL-PS-960W



PRODUCT DESIGN BREAKDOWN



SPECTRUM



APPLICATION OPTIONS

Green House / Indoor Planting / Vertical Farming / Marijuana Cultivation

