

JFL & JFL-PS SERIES PREMIUM POWER SELECTABLE FLOODLIGHTS

PRODUCT DESCRIPTION

The Jademar JFL-PS Series of Power Selectable Floodlights is meticulously engineered to offer exceptional adaptability across a wide spectrum of commercial and industrial applications, including challenging service environments.

This floodlight series seamlessly integrates into both indoor and outdoor settings, providing an array of mounting options, optics, and compatible voltage inputs ranging from 120-277VAC to 277-480VAC. Noteworthy standard features comprise 1-10VDC dimming capability and robust 6kV surge protection.

Encased in an IP65-rated housing, these floodlights boast an epoxy powder coat finish and a polycarbonate lens cover. Furthermore, the integrated heat sink design ensures safe operation even in temperatures as high as 113°F. The JFL series housing and mounting system undergo rigorous wind testing in accordance with EN60598-2-3 standards, ensuring reliability and stability.

STANDARD FEATURES

Construction and Materials

- Aluminum Alloy Housing and Polycarbonate Lens
- Yoke Mount (Universal Bracket Mount Sold Separately)

Optical System

- Narrow Flood 4H4V or Very Wide Flood: 7H6V Available

Electrical System

- Primary Input Power: 90W (Static) and 150W/200W/300W (Selectable)
- Input Voltage: 120-277VAC
- Efficacy: 140 lm/W on average
- Power Factor: >0.9
- CRI: >70
- Operating Temp: -40°C to 45°C (-40°F to 113°F)
- Total Harmonic Distortion: <20%
- Integral Surge Protection: 6KV is standard for selectable models 150W-300W, 4KV is standard for the static 90W model (10KV and 20KV are optional)

Dimming and Controls

- 1-10V Dimming Standard

Certifications and Compliance

- UL and DLC Premium Listed
- Ingress Protection: IP65 Suitable for Wet Locations
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions

Lifetime Based on TM21: L70 ≥ 182,000 / L80 ≥ 157,000 / L90 ≥ 125,000 Hrs

OPTIONAL FEATURES

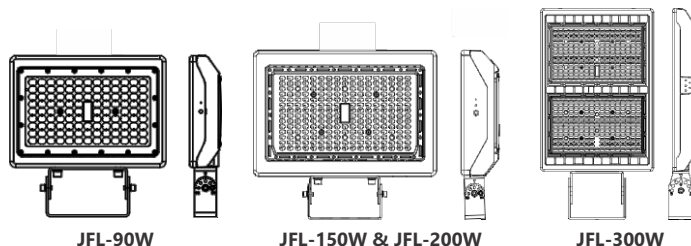
- Button Photocell
- 4-in-1 Universal Bracket Mount
- Cut-off Shield for 150W and 200W Models
- High Input Voltage (277-480VAC) not available for 90W
- Integral Surge Protection: 10KV and 20KV are optional



PERFORMANCE SUMMARY

Primary Input Power	Static Power: 90W Selectable Power: 150W / 200W / 300W
Efficacy	140 lm/W on average
CCT Options	3000K / 4000K / 5000K
Construction	Die Cast Aluminum Housing / Powder Coat Finish / UV Stable Polycarbonate Lens
Input Voltage	120-277VAC or 277-480VAC
Dimming & Controls	1-10V Dimming Standard 3-Pin and 7-Pin NEMA Receptacle Optional
Ingress Protection	IP65
Mounting	Interchangeable Mounting Options (shown below)
Surge Protection	6KV standard (10KV and 20KV optional)
Compliance	DLC Premium / FCC / UL Listed
Warranty	10 Year Limited

MODEL DESIGN



Quotations: quotes@jademar.com
To place an order: orders@jademar.com
Tel: (305) 640.0465 | Fax: (305) 640.0468
WWW.JADEMAR.COM



Information contained herein is subject to change without notice.
Revised 07/2023

PROJECT NAME:	
MODEL NUMBER:	
DATE:	

JFL AND JFL-PS SERIES POWER SELECTABLE LED FLOODLIGHTS

ORDERING INFORMATION / EXAMPLE: **JFL-PS-300W-H-50K-VWF-R3-H-YK-BZ**

Product Series	Wattage	Input Voltage	CCT	Dimming	CRI	Light Distribution	Surge Protection
JFL	90W 90W	Blank 120-277VAC H 277-480VAC	30K 3000K 40K 4000K 50K 5000K	Blank 1-10V Dimming Standard	Blank 80 CRI	NF Nema 4H4V VWF Nema 7H6V	Blank 6KV Surge Protection (Standard) 10KV Surge Protection 10SP 20KV Surge Protection 20SP
JFL-PS	150W Selectable 150W/112W/75W/37W 200W Selectable 200W/150W/100W/50W 300W Selectable 300W/225W/150W/75W						

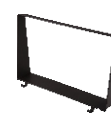
Controls Options	Mounting Options	Housing Colors
BPC Button Photocell PCR-3 3-Pin NEMA Receptacle 120-277V PCR-7 7-Pin NEMA Receptacle 120-277V PCR3-H 3-Pin NEMA Receptacle 480V PCR7-H 7-Pin NEMA Receptacle 480V SYNCLC Synapse DLC Listed Wireless Control System CB-NLC CASAMBI Bluetooth Control System SR-NLC DLC Listed SIG Certified Silvar BLE Mesh Network TruBlu Bluetooth Lighting	TR Trunnion YK Yoke	BZ Dark Bronze - Standard CC Custom RAL Color - Special Order <i>Replace CC with desired RAL Color</i>

FIELD INSTALLED

JFL-UB-90W	All-in-One Universal Bracket for 90W
JFL-UB-150W-300W	All-in-One Universal Bracket for 150W, 200W, 300W
JFL-COS-150W	Cut-Off Shield for 150W



Universal Bracket Mount



Cut-Off Shield

LUMEN PERFORMANCE AND ELECTRICAL DATA TABLE

Product Series	Wattage	Input Voltage	NEMA Type	CCT	Lumens	Efficacy	NEMA Type	CCT	Lumens	Efficacy	BUG Rating
JFL-90W	90W	120-277V	4H4V	3000K	11,250	125	7H6V	3000K	11,250	125	B3-U3-G2
				4000K	11,813	131		4000K	11,813	131	
				5000K	12,150	135		5000K	12,600	140	
JFL-PS-150W	150W	120-277V 277-480V	4H4V	3000K	18,750	125	7H6V	3000K	20,100	134	B4-U0-G2
				4000K	19,688	131		4000K	20,500	137	
				5000K	20,250	135		5000K	20,900	139	
	112.5W	120-277V 277-480V	4H4V	3000K	14,063	125	7H6V	3000K	15,075	134	B4-U0-G2
				4000K	14,766	131		4000K	15,375	137	
				5000K	15,188	135		5000K	15,675	139	
	75W	120-277V 277-480V	4H4V	3000K	9,375	125	7H6V	3000K	10,050	134	B4-U0-G2
				4000K	9,844	131		4000K	10,250	137	
				5000K	10,125	135		5000K	10,450	139	
	37.5W	120-277V 277-480V	4H4V	3000K	4,688	125	7H6V	3000K	5,025	134	B4-U0-G2
				4000K	4,922	131		4000K	5,125	137	
				5000K	5,063	135		5000K	5,225	139	
JFL-PS-200W	200W	120-277V 277-480V	4H4V	3000K	25,000	125	7H6V	3000K	27,347	135	B4-U0-G3
				4000K	25,250	126		4000K	28,025	138	
				5000K	26,000	130		5000K	28,589	142	
	150W	120-277V 277-480V	4H4V	3000K	18,750	125	7H6V	3000K	20,250	135	B4-U0-G3
				4000K	18,938	126		4000K	20,700	138	
				5000K	19,500	130		5000K	21,300	142	
	100W	120-277V 277-480V	4H4V	3000K	12,500	125	7H6V	3000K	13,500	135	B4-U0-G3
				4000K	12,625	126		4000K	13,800	138	
				5000K	13,000	130		5000K	14,200	142	
	50W	120-277V 277-480V	4H4V	3000K	6,250	125	7H6V	3000K	6,750	135	B4-U0-G3
				4000K	6,313	126		4000K	6,900	138	
				5000K	6,500	130		5000K	7,100	142	
JFL-PS-300W	300W	120-277V 277-480V	4H4V	3000K	42,000	140	7H6V	3000K	42,000	140	B5-U0-G3
				4000K	44,100	147		4000K	44,100	147	
				5000K	45,000	150		5000K	45,000	150	
	225W	120-277V 277-480V	4H4V	3000K	31,500	140	7H6V	3000K	37,800	140	B5-U0-G3
				4000K	33,075	147		4000K	39,690	147	
				5000K	33,750	150		5000K	40,500	150	
	150W	120-277V 277-480V	4H4V	3000K	21,000	140	7H6V	3000K	33,600	140	B5-U0-G3
				4000K	22,050	147		4000K	35,280	147	
				5000K	22,500	150		5000K	36,000	150	
	75W	120-277V 277-480V	4H4V	3000K	10,500	140	7H6V	3000K	29,400	140	B5-U0-G3
				4000K	11,025	147		4000K	30,870	147	
				5000K	11,250	150		5000K	31,500	150	

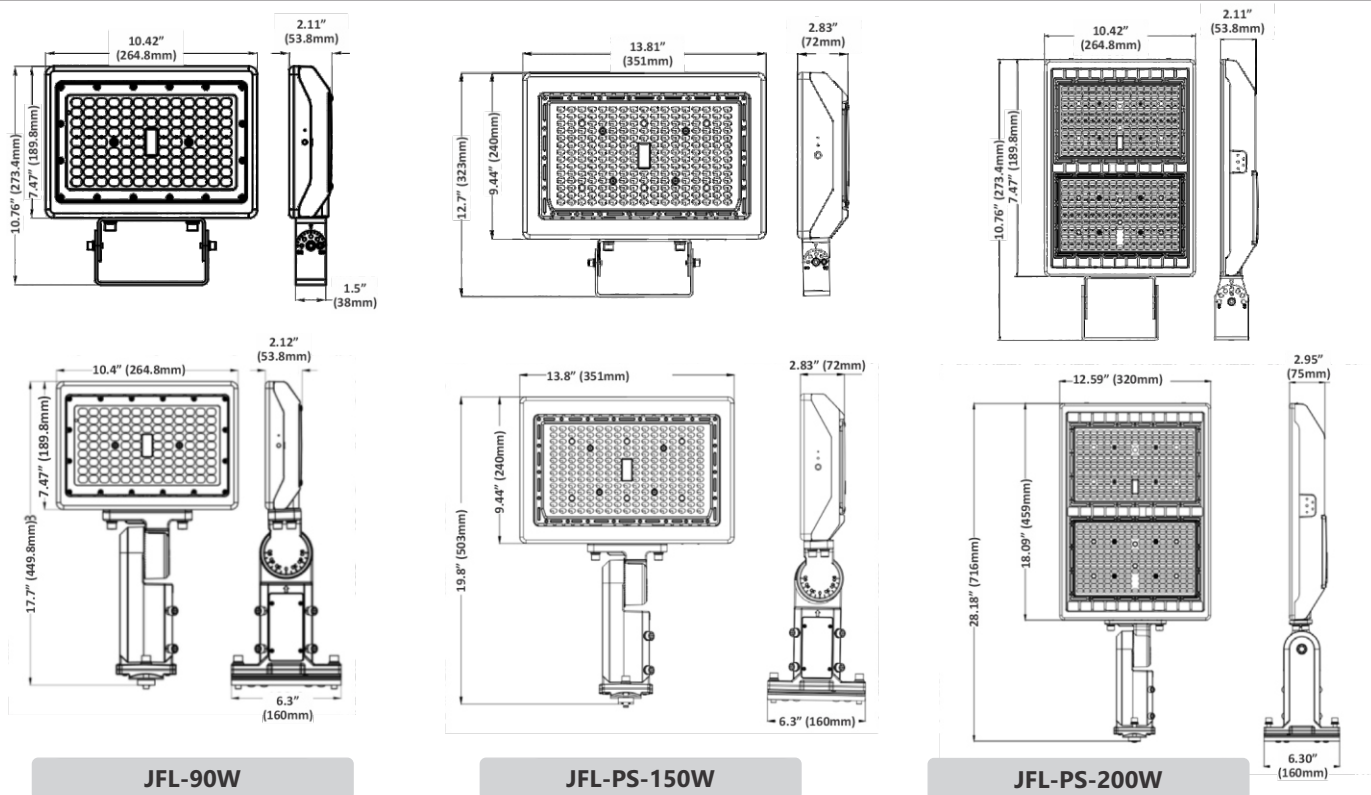
Quotations: quotes@jademar.com
To place an order: orders@jademar.com
Tel: (305) 640.0465 | Fax: (305) 640.0468

WWW.JADEMAR.COM



Information contained herein is subject to change without notice.
Revised 07/2023

PRODUCT DIMENSIONS AND MOUNTING OPTIONS



PRODUCT DIMENSIONS / EPA / WEIGHT

Model Number	JFL-90W	JFL-PS-150W	JFL-PS-200W	JFL-PS-300W
Dimensions w/Universal Bracket	10.4" x 17.7" x 2.1"	13.8" x 19.8" x 2.8"	13.8" x 19.8" x 2.8"	12.6" x 28.2" x 2.9"
EPA	1.534 Sq. Ft.	2.277 Sq. Ft.	2.277 Sq. Ft.	2.961 Sq. Ft.
Weight	10.1 LBS.	17.6 LBS.	17.6 LBS.	26.5 LBS.
Dimensions w/Trunnion	10.4" x 9.18" x 2.1"	13.8" x 11.7" x 2.8"	13.8" x 11.7" x 2.8"	13.1" x 19.8" x 2.9"
EPA	0.7956 Sq. Ft.	1.3455 Sq. Ft.	1.3455 Sq. Ft.	2.1615 Sq. Ft.
Weight	5.7 LBS.	14.3 LBS.	14.3 LBS.	24.9 LBS.



DLC PREMIUM QUALIFIED PRODUCTS

Product ID	Model Number
S-TGLH9Z	JFL-PS-90W-30K-NF-[10SP;20SP;Blank]-b-d-a
S-8UP26Y	JFL-PS-90W-30K-VWF-[10SP;20SP;Blank]-b-d-a
S-K5JC4P	JFL-PS-90W-40K-NF-[10SP;20SP;Blank]-b-d-a
S-UKVW6L	JFL-PS-90W-40K-VWF-[10SP;20SP;Blank]-b-d-a
S-LE6T7I	JFL-PS-90W-50K-NF-[10SP;20SP;Blank]-b-d-a
S-P5L3TV	JFL-PS-90W-50K-VWF-[10SP;20SP;Blank]-b-d-a
S-FRG1I1	JFL-PS-150W-30K-NF-[10SP;20SP;Blank]-b-d-a
S-T9LQPY	JFL-PS-150W-30K-VWF-[10SP;20SP;Blank]-b-d-a
S-6J19SR	JFL-PS-150W-40K-NF-[10SP;20SP;Blank]-b-d-a
S-FDH8ME	JFL-PS-150W-40K-VWF-[10SP;20SP;Blank]-b-d-a

Product ID	Model Number
S-7PE20T	JFL-PS-150W-50K-NF-[10SP;20SP;Blank]-b-d-a
S-FOC70B	JFL-PS-150W-50K-VWF-[10SP;20SP;Blank]-b-d-a
S-WKZSBJ	JFL-PS-150W-57K-NF-[10SP;20SP;Blank]-b-d-a
S-94WYTL	JFL-PS-200W-30K-NF-[10SP;20SP;Blank]-b-d-a
S-419DEB	JFL-PS-200W-30K-VWF-[10SP;20SP;Blank]-b-d-a
S-F4C96J	JFL-PS-200W-40K-NF-[10SP;20SP;Blank]-b-d-a
S-RZXHPJ	JFL-PS-200W-40K-VWF-[10SP;20SP;Blank]-b-d-a
S-8LIQ32	JFL-PS-200W-50K-NF-[10SP;20SP;Blank]-b-d-a
S-HGWPTST	JFL-PS-200W-50K-VWF-[10SP;20SP;Blank]-b-d-a
S-NWJMKMZ	JFL-PS-240W-30K-VWF-[10SP;20SP;Blank]-b-d-a

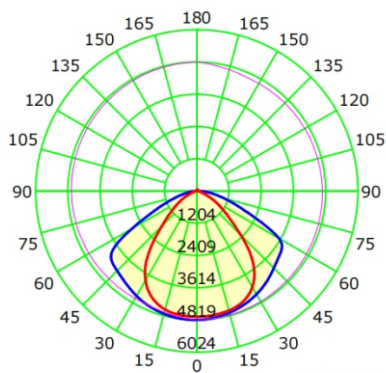
Product ID	Model Number
S-GC3QX4	JFL-PS-300W-30K-NF-[10SP;20SP;Blank]-b-d-a
S-H5DWRQ	JFL-PS-300W-30K-VWF-[10SP;20SP;Blank]-b-d-a
S-2OFYE3	JFL-PS-300W-40K-NF-[10SP;20SP;Blank]-b-d-a
S-H4XVT8	JFL-PS-300W-40K-VWF-[10SP;20SP;Blank]-b-d-a
S-D8LW9B	JFL-PS-300W-50K-NF-[10SP;20SP;Blank]-b-d-a
S-3XQFCG	JFL-PS-300W-50K-VWF-[10SP;20SP;Blank]-b-d-a
S-2Z7MK4	JFL-PS-300W-H-30K-VWF-[10SP;20SP;Blank]-b-d-a
S-ABN9EX	JFL-PS-300W-H-40K-VWF-[10SP;20SP;Blank]-b-d-a
S-23UYC7	JFL-PS-300W-H-50K-VWF-[10SP;20SP;Blank]-b-d-a



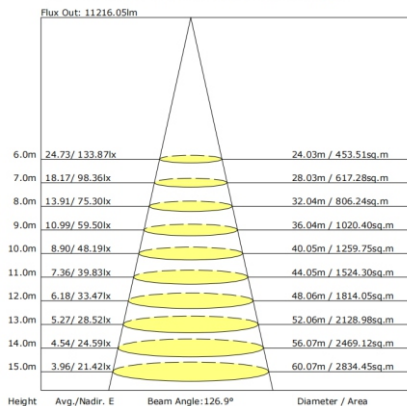
PHOTOMETRY

JFL-90W

Luminous Intensity Distribution Curve

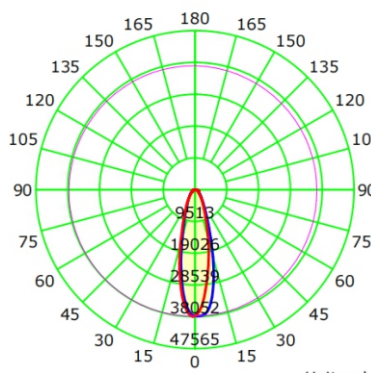


The Average Illuminance Effective Figure

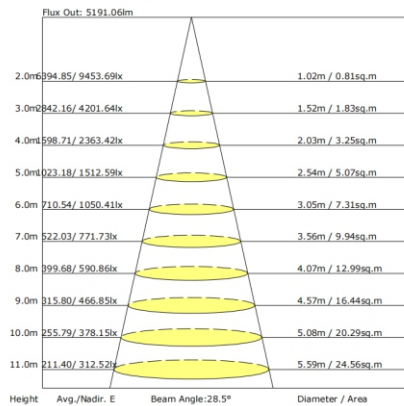


JFL-PS-150W

Luminous Intensity Distribution Curve

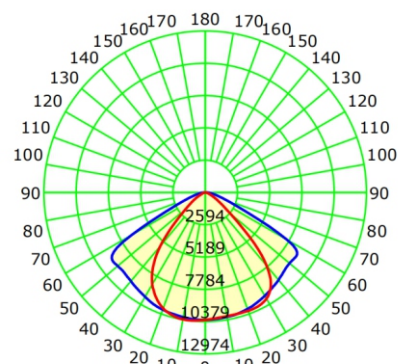


The Average Illuminance Effective Figure

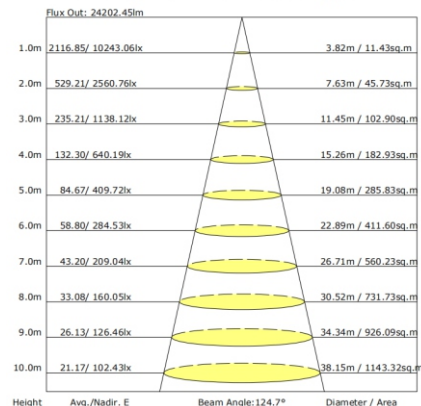


JFL-PS-200W

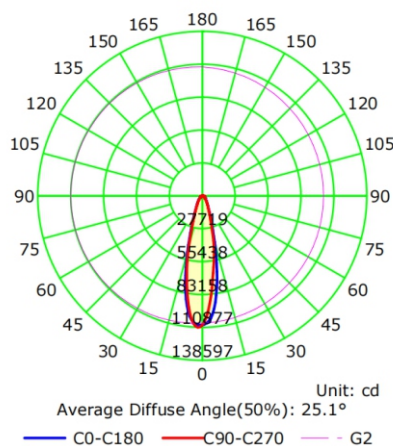
Luminous Intensity Distribution Curve



The Average Illuminance Effective Figure



Luminous Intensity Distribution Curve



JFL-PS-300W

The Average Illuminance Effective Figure

