

JFL-MD08 SERIES PREMIUM FLOODLIGHT

PRODUCT DESCRIPTION

The JFL-MD08 luminaire is a high performance LED lighting solution designed with optical versatility and a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, watertight LED driver compartment and high performance aluminum heat sinks. Markets include parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways.

STANDARD FEATURES

Construction and Materials

- Housing, electrical compartment and fitter are all made from die cast aluminum that is pre-treated and powder-coated to meet the most rugged industry standards.
- Door frame features an integral accessory channel for the mounting of optional light control accessories.
- Vented housing isolates LED module from driver, maximizing product life and performance.
- Door frame seals to housing with a continuous extruded silicone gasket.

Optical System

- Optics (NEMA Type): 7Hx6V or 4Hx4V
- Scalable Lumen Packages from 1,950 to 50,000 Lumens
- Provides the best combination of vertical and horizontal illumination while reducing light behind the poles
- High performance acrylic optic securely attached to internal heat sink for maximum thermal dissipation

Electrical System

- Power Static: 600W / 350W / 250W / 200W / 135W / 100W / 90W / 70W / 60W / 45W / 27W / 15W
- CCT Static: 3000K / 3500K / 4000K / 5000K
- Input Voltage: CC 120-277VAC / 347VAC / 480VAC Internal driver
- Efficacy: 125 lm/W to 150 lm/W
- Power Factor: >0.9
- CRI: >70
- Operating Temp: -40°C to 40°C (-40°F to 104°F)
- Total Harmonic Distortion: <20%
- Integral Surge Protection: 10KA(@120-277V) or 20KA(@347-480V)

Dimming and Controls

- 0-10V Dimming

Certifications and Compliance

- IK10 Rated
- cUL Listed & UL Listed for Wet Locations
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Emissions

Lifetime Based on TM21: L80@≥ 100,000

OPTIONAL FEATURES

- Synapse DLC Listed Wireless Lighting Control System
- Casambi Bluetooth Control System
- Silvair DLC Listed SIG Certified Bluetooth Lighting Control System
- Optional Photocell
- Multiple Mounting Options Available



SILVIR CASAMBI SYNAPSE



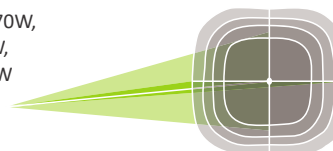
SPECIFICATIONS

Power	Static: 600W / 350W / 250W / 200W / 135W / 100W / 90W / 70W / 60W / 45W / 27W / 15W
Efficacy	125 lm/W to 150 lm/W
Input Voltage	CC 120-277VAC / 347VAC / 480VAC Internal driver
CCT	Static: 3000K / 3500K / 4000K / 5000K
Optic Type	7Hx6V or 4Hx4V
CRI	>70 Standard
Power Factor	>0.9
Operating Temp.	-40°C to 40°C (-40°F to 104°F)
Ingress Protection (IP)	Wet Locations
Dimming & Controls	0-10V Dimming
Construction	Pre-treated Cast Aluminum and Powder Coated Finish
Lifetime Based on TM21	L80@≥ 100,000
Certifications & Compliance	cUL Listed / UL Listed / IK10 Rated
Limited Warranty	10 Yrs

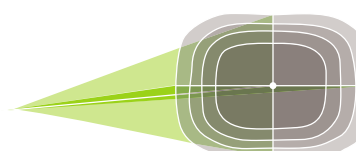
PHOTOMETRY

4Hx4V

Only suitable for 70W,
100W, 135W, 200W,
250W, 350W, 600W



7Hx6V



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



Jademar Lighting has prepared the information contained in this document with due care. However, Jademar Lighting does not warrant or represent that the information is free from errors or omission. While the information is considered to be true and correct at the date of publication, changes in circumstances after that date may impact on its accuracy. The information may change without notice and Jademar Lighting is not liable for the accuracy of any information printed and stored or interpreted or used.

Project Name/Type:		Date
Catalog/Part #:		

JFL-MD08 SERIES PREMIUM FLOODLIGHT LUMINAIRE

ORDERING INFORMATION / Example: JFL-MD08-60W-30K-D-B76-PC-TR-BZ-SYNC-NLC-PWC-8

JFL-MD08								
Product Series	Wattage	Input Voltage	CCT	Dimming	Light Distribution	Photocell Options	Mounting Options	Housing Colors
JFL-MD08	15W 15 Watts 27W 27 Watts 45W 45 Watts 60W 60 Watts	Blank 120-277VAC	30K 3000K 35K 3500K 40K 4000K 50K 5000K	Blank Non-Dimming D 1-10V Dimming	B76 7Hx6V	Blank No Photocell PC Photocell	TR Trunnion Mount KN Knuckle Mount	BZ Bronze (Standard) BK Black WH White CC Custom Color*
	70W 70 Watts 90W 90 Watts 100W 100 Watts 135W 135 Watts 200W 200 Watts 250W 250 Watts 350W 350 Watts	Blank 120-277VAC H 347-480VAC			B44 4Hx4V B76 7Hx6V		TR Trunnion Mount SP Slipfitter Mount YK Yoke Mount	* Replace "CC" with a custom RAL color
	600W 600 Watts*	H 200-480VAC			B44 4Hx4V		TR Trunnion Mount	

* Special Order

Control Options	Other Options
Blank No Controls (Standard) SYNC-NLC Synapse Wireless Control Module Integrated CB-NLC-FC-EXA Casambi Fixture Controller w/External Antenna SR-NLC-FC-EXA Silvarix Fixture Controller w/External Antenna BN-NLC-FC-EXA Bubblynet Fixture Controller w/External Antenna	Blank Not BAA PWC-XX Replace XX with desired power cord length in FT BAA Buy American Act*

* Selected SKUs Only



FIELD INSTALLED SENSORS & MOUNTING OPTIONS

Sensors	Mounting
PIR Plug-and-Play PIR Sensor	JFL-MD08-SF Slipfitter Mount - 2-3/8" O.D.
BMWO Bi-Level Microwave Occupancy Sensor 120-277V	JFL-MD08-TR Trunnion Mount
BMWO-H Bi-Level Microwave Occupancy Sensor 347-480V	JFL-MD08-YK Yoke Mount
BMWO-RC Hand held remote control for BMWO Sensor	

MOUNTING

1/2" Knuckle Mount (15W/27W/45W/60W)



Trunnion Mount (15W/27W/45W/60W/250W/350W/600W)



Yoke Mount (70W/100W/135W/200W)



Slipfitter Mount (70W/100W/135W/200W)



LUMEN PERFORMANCE

SYSTEM WATTS	VOLTAGE	DIST. TYPE	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (3500K)	LPW (3500K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
15W	120-277V	7Hx6V	70	1,950 lm	130 lm/W	1,950 lm	130 lm/W	2,000 lm	133 lm/W	2,000 lm	133 lm/W
27W	120-277V	7Hx6V	70	3,600 lm	133 lm/W	3,600 lm	133 lm/W	3,700 lm	137 lm/W	3,700 lm	137 lm/W
45W	120-277V	7Hx6V	70	6,000 lm	133 lm/W	6,000 lm	133 lm/W	6,150 lm	137 lm/W	6,150 lm	137 lm/W
60W	120-277V	7Hx6V	70	7,400 lm	123 lm/W	7,400 lm	123 lm/W	7,800 lm	130 lm/W	7,800 lm	130 lm/W
60W	347-480V	7Hx6V	70	7,500 lm	125 lm/W	7,500 lm	125 lm/W	7,800 lm	130 lm/W	7,800 lm	130 lm/W
70W	120-277V	4Hx4V/7Hx6V	70	9,200 lm	131 lm/W	9,200 lm	131 lm/W	9,400 lm	134 lm/W	9,400 lm	134 lm/W
70W	347-480V	4Hx4V/7Hx6V	70	9,100 lm	130 lm/W	9,100 lm	130 lm/W	9,300 lm	133 lm/W	9,300 lm	133 lm/W
90W	347-480V	4Hx4V/7Hx6V	70	13,000 lm	144 lm/W	13,000 lm	144 lm/W	13,400 lm	149 lm/W	13,400 lm	149 lm/W
100W	120-277V	4Hx4V/7Hx6V	70	13,100 lm	131 lm/W	13,100 lm	131 lm/W	13,500 lm	135 lm/W	13,500 lm	135 lm/W
135W	120-277V	4Hx4V	70	17,500 lm	130 lm/W	17,500 lm	130 lm/W	18,000 lm	133 lm/W	18,000 lm	133 lm/W
135W	347-480V	4Hx4V	70	17,500 lm	130 lm/W	17,500 lm	130 lm/W	18,000 lm	133 lm/W	18,000 lm	133 lm/W
135W	120-277V	7Hx6V	70	18,000 lm	133 lm/W	18,000 lm	133 lm/W	18,500 lm	137 lm/W	18,500 lm	137 lm/W
135W	347-480V	7Hx6V	70	18,000 lm	133 lm/W	18,000 lm	133 lm/W	18,500 lm	137 lm/W	18,500 lm	137 lm/W
200W	120-277V	4Hx4V	70	26,000 lm	130 lm/W	26,000 lm	130 lm/W	26,500 lm	133 lm/W	26,500 lm	133 lm/W
200W	347-480V	4Hx4V	70	26,000 lm	130 lm/W	26,000 lm	130 lm/W	26,500 lm	133 lm/W	26,500 lm	133 lm/W
200W	120-277V	7Hx6V	70	26,000 lm	130 lm/W	26,000 lm	130 lm/W	27,000 lm	135 lm/W	27,000 lm	135 lm/W
200W	347-480V	7Hx6V	70	26,000 lm	130 lm/W	26,000 lm	130 lm/W	27,000 lm	135 lm/W	27,000 lm	135 lm/W
250W	120-277V	4Hx4V	70	36,500 lm	146 lm/W	36,500 lm	146 lm/W	37,500 lm	150 lm/W	37,500 lm	150 lm/W
250W	347-480V	4Hx4V	70	36,500 lm	146 lm/W	36,500 lm	146 lm/W	37,500 lm	150 lm/W	37,500 lm	150 lm/W
250W	120-277V	7Hx6V	70	36,000 lm	144 lm/W	36,000 lm	144 lm/W	37,000 lm	148 lm/W	37,000 lm	148 lm/W
250W	347-480V	7Hx6V	70	36,000 lm	144 lm/W	36,000 lm	144 lm/W	37,000 lm	148 lm/W	37,000 lm	148 lm/W
350W	120-277V	4Hx4V	70	48,000 lm	137 lm/W	48,000 lm	137 lm/W	49,500 lm	141 lm/W	49,500 lm	141 lm/W
350W	347-480V	4Hx4V	70	48,000 lm	137 lm/W	48,000 lm	137 lm/W	49,500 lm	141 lm/W	49,500 lm	141 lm/W
350W	120-277V	7Hx6V	70	48,000 lm	137 lm/W	48,000 lm	137 lm/W	50,000 lm	143 lm/W	50,000 lm	143 lm/W
350W	347-480V	7Hx6V	70	48,000 lm	137 lm/W	48,000 lm	137 lm/W	50,000 lm	143 lm/W	50,000 lm	143 lm/W
600W	200-480V	4Hx4V	70	85,000 lm	142 lm/W			92,000lm	153 lm/W	92,000lm	153 lm/W

EPA

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
70W/100W	0.2885	0.6097	0.7475	0.577	0.8982	0.8196	0.8982
135W/200W	0.3868	0.8125	0.9973	0.7736	1.1993	1.0874	1.1993
250W/350W	0.536	1.061	1.278	1.072	1.597	1.803	1.597

POWER	EPA
600W	1.8202



ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	250 mA	15 W	120 V	0.13 A
		15 W	208 V	0.07 A
		15 W	240 V	0.06 A
		15 W	277 V	0.05 A
1	430 mA	27 W	120 V	0.23 A
		27 W	208 V	0.13 A
		27 W	240 V	0.11 A
		27 W	277 V	0.10 A
1	770 mA	45 W	120 V	0.38 A
		45 W	208 V	0.22 A
		45 W	240 V	0.19 A
		45 W	277 V	0.16 A
1	920 mA	60 W	120 V	0.50 A
		60 W	208 V	0.29 A
		60 W	240 V	0.25 A
		60 W	277 V	0.22 A
1	1,750 mA	70 W	120 V	0.58 A
		70 W	208 V	0.34 A
		70 W	240 V	0.29 A
		70 W	277 V	0.25 A
1	1,850 mA	70 W	347 V	0.20 A
		70 W	480 V	0.15 A
1	2,600 mA	100 W	120 V	0.83 A
		100 W	208 V	0.48 A
		100 W	240 V	0.42 A
		100 W	277 V	0.36 A
2	2,400 mA	90 W	347 V	0.26 A
		90 W	480 V	0.19 A
2	3,500 mA	135 W	120 V	1.13 A
		135 W	208 V	0.65 A
		135 W	240 V	0.56 A
		135 W	277 V	0.49 A
		135 W	347 V	0.39 A
		135 W	480 V	0.28 A
2	5,000 mA	200 W	120 V	1.67 A
		200 W	208 V	0.96 A
		200 W	240 V	0.83 A
		200 W	277 V	0.72 A
		200 W	347 V	0.58 A
		200 W	480 V	0.42 A
1	6,500 mA	250 W	120 V	2.08 A
		250 W	208 V	1.20 A
		250 W	240 V	1.04 A
		250 W	277 V	0.90 A
		250 W	347 V	0.72 A
		250 W	480 V	0.52 A
1	5,600 mA	350 W	120 V	2.92 A
		350 W	208 V	1.68 A
		350 W	240 V	1.46 A
		350 W	277 V	1.26 A
		350 W	347 V	1.01 A
		350 W	480 V	0.73 A

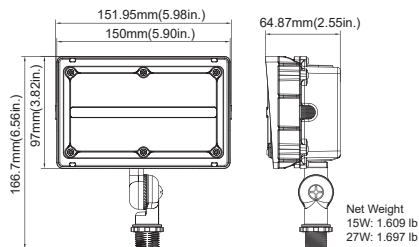


ELECTRICAL DATA

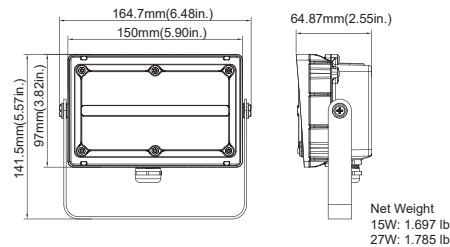
Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	1,800 mA	600 W	120 V	5.00 A
		600 W	208 V	2.88 A
		600 W	240 V	2.50 A
		600 W	277 V	2.17 A
		600 W	347 V	1.73 A
		600 W	480 V	1.25 A

PRODUCT DIMENSIONS

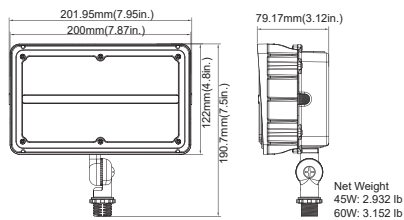
15W & 27W (Knuckle Mount)



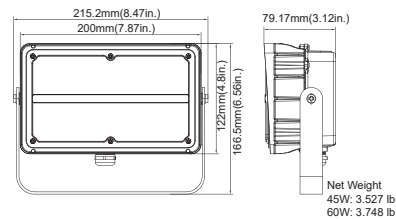
15W & 27W (Trunnion Mount)



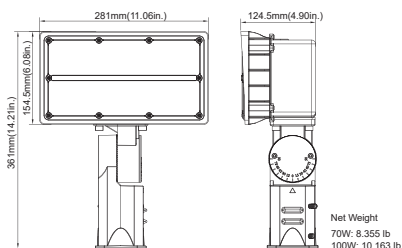
45W & 60W (Knuckle Mount)



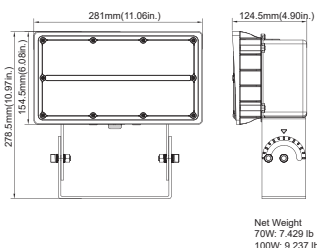
45W & 60W (Trunnion Mount)



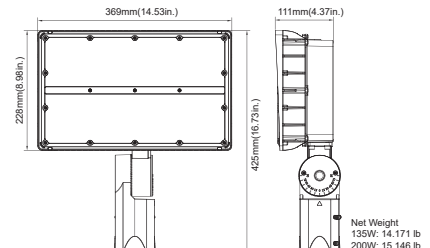
70W & 100W (Slipfitter Mount)



70W & 100W (Yoke Mount)

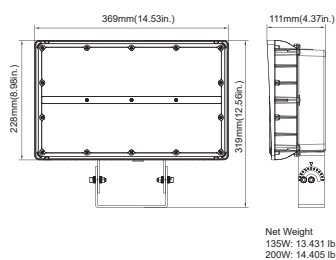


135W & 200W (Slipfitter Mount)

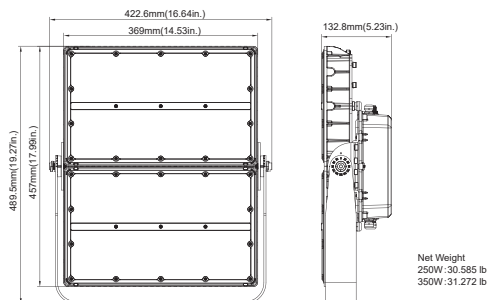


PRODUCT DIMENSIONS

135W & 200W (Yoke Mount)



250W / 350W (Trunnion Mount)



600W (Trunnion Mount)

