

FJR Vapor Tight Jelly Jar Series

Product Description

FJR Jelly Jar has stylish and architectural profile design with high performance LM80 LEDs in die-cast aluminum housing with rubber gasket. It is suitable for outdoor and wet locations (IP65 rated) and has many mounting options - wall mount (standard), ceiling mount and pendant mount. And it also will serve you well for a long time - up to 50,000 hours, and 5-years-warranty is a proof FJR product reliability.

Features & Benefits

- Stylish and architectural profile design with Grey finish
- Die-cast aluminum housing with rubber gasket
- High performance LM80 LEDs
- Super White Shatter Proof Glass
- Outdoor and wet location (IP65 rated)
- Stabilized to extreme climate changes without cracking or peeling
- High quality milky glass to project light to a wide space
- High performance LED driver, universal input voltage: 120-277VAC, 50/60Hz
- 50,000+ hours lifetime
- 5-years-warranty

Applications

- Parking Garages
- Warehouses, Storage Facilities
- Stairwells, Hallways
- Bathroom

Mounting Options

- Wall Mount
- Ceiling Mount
- Pendant Mounting
- On Ground Mounting

Regulatory & Voluntary Qualifications

- ETL
- Most of our products are DLC listed, qualifying them for the highest rebates. Please check individual product specs for DLC status. Refer to DLC website by clicking this link: <https://www.designlights.org>



Performance Summary

Efficacy up to: 95 l/pw

CRI up to: 84 cri

CCT: 4000K / 5000K

Dimming: Non-Dimming

Operating Temp: -20°C – +40°C

Input Voltage: 120-277vac

Operating Frequency: 50 / 60Hz

Power Factor: 0.98

Dimension: 12" x 4.61" x 7.56"

L70 Lifetime: 50,000+ Hours (TM21 Calculated)



FJR Series Specification Summary

Product Number	FJR-SM-10W	FJR-PM-10W	FJR-WM-10W	FJR-SM-20W	FJR-PM-20W	FJR-WM-20W
Efficacy l/pw @ 5000K	95	95	95	95	95	95
Input Power: Watts	10W	10W	10W	20W	20W	20W
Lumens @ 3000K	950	950	950	1900	1900	1900
Lumens @ 4000K	950	950	950	1900	1900	1900
Lumens @ 5000K	950	950	950	1900	1900	1900
Qualifications	ETL, No DLC	ETL, No DLC	ETL, No DLC	ETL, No DLC	ETL, No DLC	ETL, cETL, DLC (40K / 50K) Pending
THD @ 120VAC	20%	20%	20%	20%	20%	20%
CCT/Kelvin Temp Options	3000K & 4000K (No DLC) / 5000K (DLC on 20W only)					
Dimming	Non Dim					
Input Voltage Options	120-277vac					
Power Factor	0.98	0.98	0.98	0.98	0.98	0.98
L70 Lifespan (TM21)	55,000+ hrs					
Ambient Working Temp	-4°F ~ +104°F / (-20°C ~ +40° C)					
Max Dimensions (in)	12" x 4.61" x 7.56"					
Total Weight	2.2 lbs					
Limited Warranty	5 yrs					

Notes

Values are nominal unless noted +/- 5%
Specifications change without notice

FJR Series Product Ordering Guide

Example: FJR-SM-10W-Blank-50K-WH

Product	Mounting Options	Wattage	Voltage	CCT/Color Temp	Finish
FJR	SM (Surface / Ceiling Mount) PM (Pendant Mount) WM (Wall Mount)	10W (10 Watt) 20W (20 Watt)	Blank (120-277v)	40K (4000K) 50K (5000K)	Blank (Grey) STD BZ (Bronze)*

* = Special Order, Longer Lead time

Factory Installed Mounting Options

SM	Surface Mount - Ceiling Mount, Fixtures has Weather proof JBox that secures directly to surface
PM	Pendant Mount- Fixture has 1/2" threaded hole for Ridged pipe or you can use surface mount and have pipe enter the JBOX 1/2" Knockouts
WM	Wall Mount - Fixture has Mounting arm with Weather proof JBox for directly securing to Wall surface
PC5	5ft, Power Cord, 3 wire SJ00W

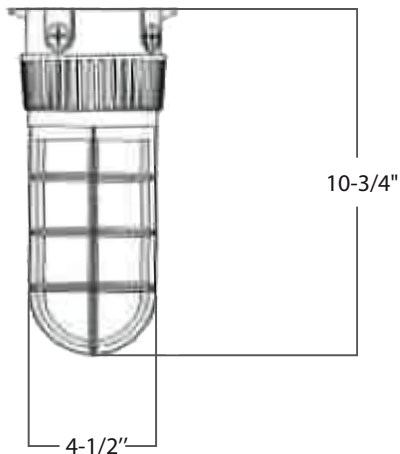
Options & Accessories, Field Installed

FP-WM	Protective Foam, Wall Mount
FP-SM/PM	Protective Foam, Surface / Pendant Mount
PCELL	120-277V Photo Cell, externally mounted

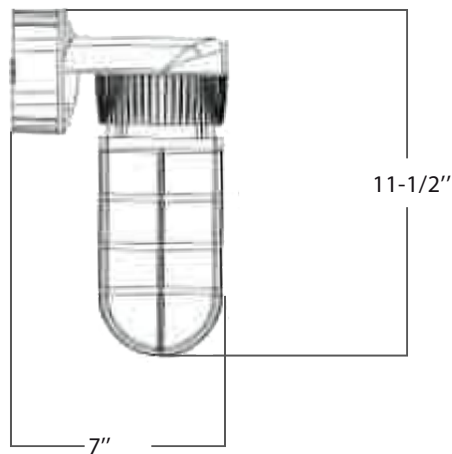
Consult Factory for External EM pack, PIR Motion sensor needed and external globes and lens styles

FJR Series Design Details

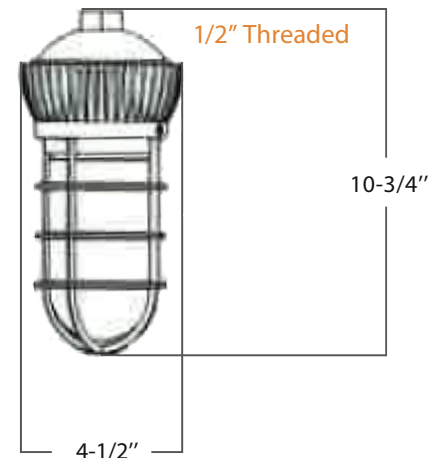
Surface / Ceiling Mount



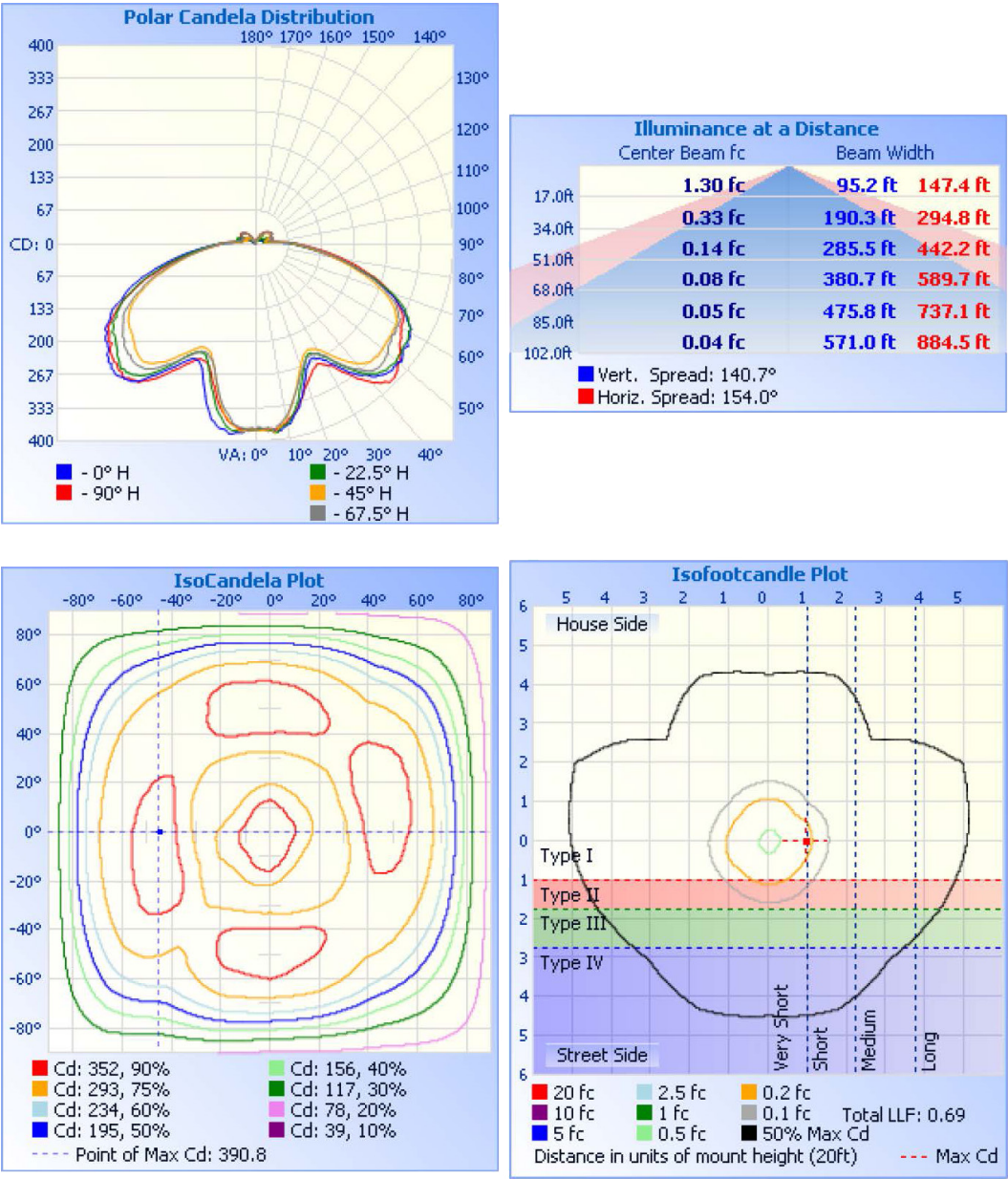
Wall Mount



Pendant Mount



Photometric Data



FJR-20W-50K

FJR Series Installation Instructions

For all FJR Series

IMPORTANT

Read carefully before installation and retain for future reference.

Thoroughly inspect the fixture for any freight damage; Freight damage should be reported to the delivery carrier.

The fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. This product MUST be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product.

This product SHALL be surface mounted with junction box on non-combustible surface above 4 feet high.

User should prepare necessary accessories and spare parts (not provided), including junction box and screws.

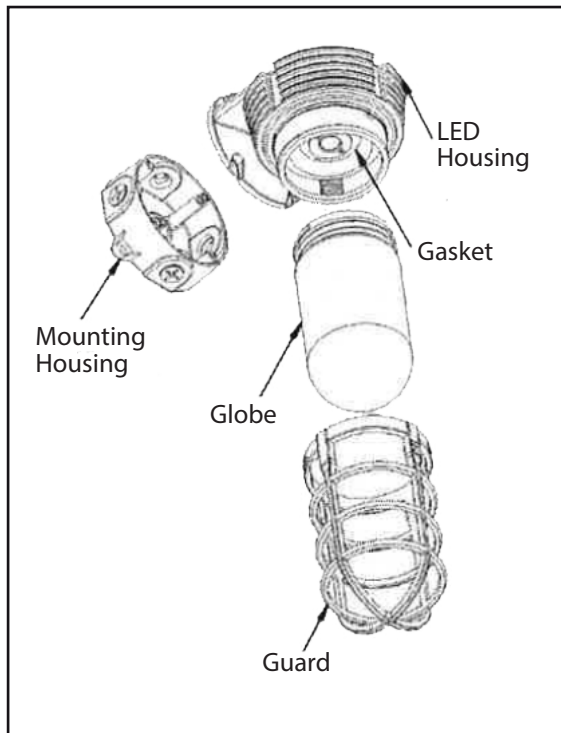
This luminaire is designed for outdoor lighting applications with ambient temperatures not exceeding 40°C.

WARNING

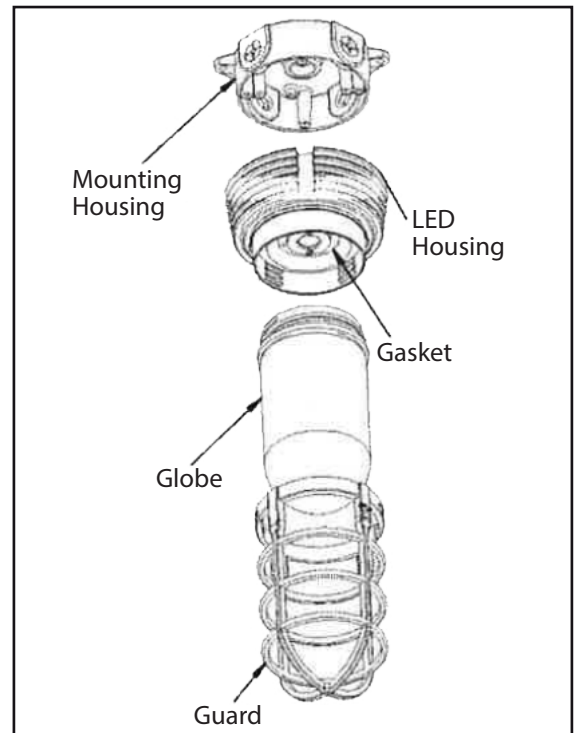
RISK OF ELECTRIC SHOCK. Make sure power supply is OFF before installing or maintaining fixture. No user serviceable parts inside.

Never perform maintenance or cleaning while fixture is energized. Disconnect power and let fixture cool before maintaining. A regularly scheduled maintenance program should be established to retain optimum light output and reduce heat retention. Dusting with a soft, clean, dry cloth is normally sufficient for the optical system. Any accumulation of dust or dirt should be removed regularly.

Dangerous voltage exist within the unit and all precautions usually observed in handling high voltage equipment should be observed when replacing light engine or otherwise servicing luminaires. Disregarding this warning can cause electric shock and possible injury to the individual installing or servicing the equipment.



Wall Mount



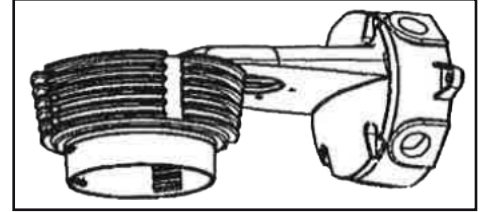
Ceiling / Surface Mount

FJR Series Installation Instructions

For all FJR Series

Wall Mount Installation

- Step 1:** Attach fixture to junction box using appropriate hardware for the mounting surface. Mounting hardware is not included.
- Step 2:** Remove gasket inside LED Housing and remove screw closest to mounting surface.
- Step 3:** Loosen other screw and rotate LED Housing 180° so that the four Mounting Housing screws are easily accessible. See Rotated View image. **DO NOT PINCH WIRES WHEN ROTATING.**
- Step 4:** Tighten LED Housing screw to ensure that no components fall.
- Step 5:** Remove the four Mounting Housing screws and make wiring connections inside it.
- Step 6:** Make wiring connections inside the Mounting Housing as per the wiring instruction.



Rotated View

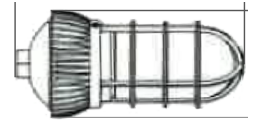
Ceiling/Surface & Pendant Mount I

- Step 1:** Attach fixture to junction box using appropriate hardware for the mounting surface.
- Step 2:** Remove gasket inside LED Housing.
- Step 3:** Remove one screw and loosen the remaining screw.
- Step 4:** Rotate LED Housing 180° so that the four Mounting Housing screws are easily accessible. See Rotated View image. **DO NOT PINCH WIRES WHEN ROTATING.**
- Step 5:** Tighten LED Housing screw to ensure that no components fall.
- Step 6:** Make wiring connections inside the Mounting Housing as per the wiring instruction.

Surface/Ceiling Mount



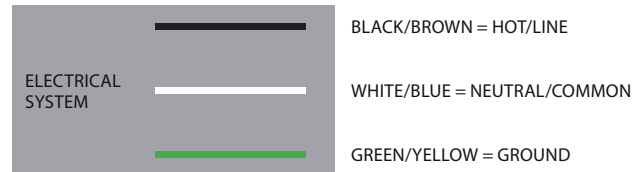
Pendant



Wiring

- Step 1:** Wire input end of the LED driver to supply wires using waterproof wire nut (provided) according to wiring section. Wire connections must be insulated and waterproof.
- Step 2:** Connect the BLACK/BROWN lead to LINE (+) supply lead.
- Step 3:** Connect the WHITE/BLUE lead to NEUTRAL/Common (-) supply lead.
- Step 4:** Tighten LED Housing screw to ensure that no components fall.
- Step 5:** If any, connect PURPLE/BLUE to 0-10V SIGNAL supply lead and GREY/WHITE to 0-10V NEUTRAL/REFERENCE supply lead.

Wiring Diagram



Globe and Guard Installation

- Step 1:** Re-mount fixture using Philips Head screws removed in mounting step. Make sure all gaskets must be seated properly and all screws inserted and tightened firmly.
- Step 2:** Return all components to their original positions after wiring connections have been made. Prior to tightening all screws, make sure all wires are contained in wire ways and no wires are pinched.
- Step 3:** Before globe is installed, check to make sure that gasket is replaced in LED Housing and gasket exists above threads on the Globe.
- Step 4:** Screw Globe onto fixture, do not overtighten, but be sure that the gaskets are being compressed.
- Step 5:** Place Guard over the lens, rotate clockwise and secure with set screws.
- Step 6:** Turn power On.

NOTE: Make sure all gaskets are positioned correctly with no gaps to ensure that leakage will not occur.