

21W | LED JELLY JAR LIGHT



RuggedGrade

PRODUCT DESCRIPTION

The 21W LED Jelly Jar Light delivers reliable, energy-efficient lighting in a compact hanging design. Featuring 5000K bright white light, a wide 160° beam angle, IP65 protection, and durable die-cast aluminum construction with tempered glass lens & steel wrap cover, it's built for demanding indoor and outdoor applications. DLC 5.1 Premium and UL rated, with a 50,000-hour lifespan and 5-year warranty for dependable, long-term performance.

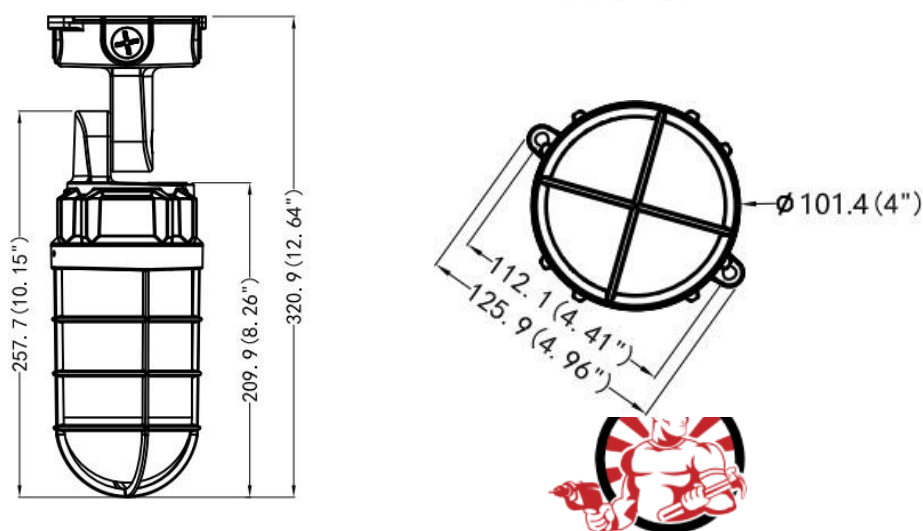


RGL-LJ01-21WBM

PRODUCT FEATURES & COMMON USE APPLICATIONS

- ✓ Lumileds Chip, high CRI.
- ✓ Input voltage 120-277Vac
- ✓ No UV or IR in the beam
- ✓ Easy to install and operate
- ✓ Energy saving, long lifespan
- ✓ Instant start, NO flickering, NO humming
- ✓ Green and eco-friendly without mercury
- ✓ Output constant current lever can be adjusted through output cable with 0-10V.
- ✓ Entrance lighting, Courtyard Lighting
- ✓ Industrial Lighting, Outdoor landscaping light
- ✓ Building, The Hotel.
- ✓ Wall lighting Area ETC.

PRODUCT DIMENSIONS



LEGENDARY USA SUPPORT



US based phone and online customer support

DLC CERTIFIED

5 YEARS WARRANTY

UL LISTED



sales@



PRODUCT TECHNICAL SPECIFICATIONS

OPTICAL	Input Power (Tolerance: $\pm 10\%$)	21W
	Color Temperature	5000K
	Lumen (Tolerance: -10%)	2520 LM
	Efficacy (Tolerance: -3%)	120 LM/W
	CRI	>80
	Color Consistency	< 7 Steps (or < 7 SDCM)
	Distribution Pattern	NA
	Beam Angle (50%) (Tolerance: $\pm 15\%$)	160 degree
	Input Voltage and Frequency	120-277VAC, 50/60Hz
ELECTRICAL	PF (Tolerance: -3%)	≥ 0.9
	THD (Tolerance: $+5\%$)	$\leq 20\%$
	Flicker Percent	$< 70\%$
	Driver Brand	RG
	Driver Model	RG-21W-120v
	Driver Surge protection	L/N-PE: 2.5kV, L-N: 2.5kV
	Dimming	0-10V dimming standard
	Optional Accessory	NONE
	LED Brand	Lumileds
MATERIALS	LED Type	SMD2835
	LED QTY	55 PCS*2
	Housing	Die-cast aluminum
	Housing Color	Customized
	Waterproof Rating	WET (IP65)
	Operating Temperature	-40°C TO 45°C
	Storage Temperature	-40°C TO 85°C
OTHERS	Operating Humidity	10% - 90% RH
	Storage Humidity	5% - 95% RH
	Warranty	5 years warranty with 24/7 operating hours Luminaire lifetime at 25°C .

PRODUCT ACCESSORIES



PRODUCT IMAGES & ACTUAL INSTALLATIONS



Wall mounting



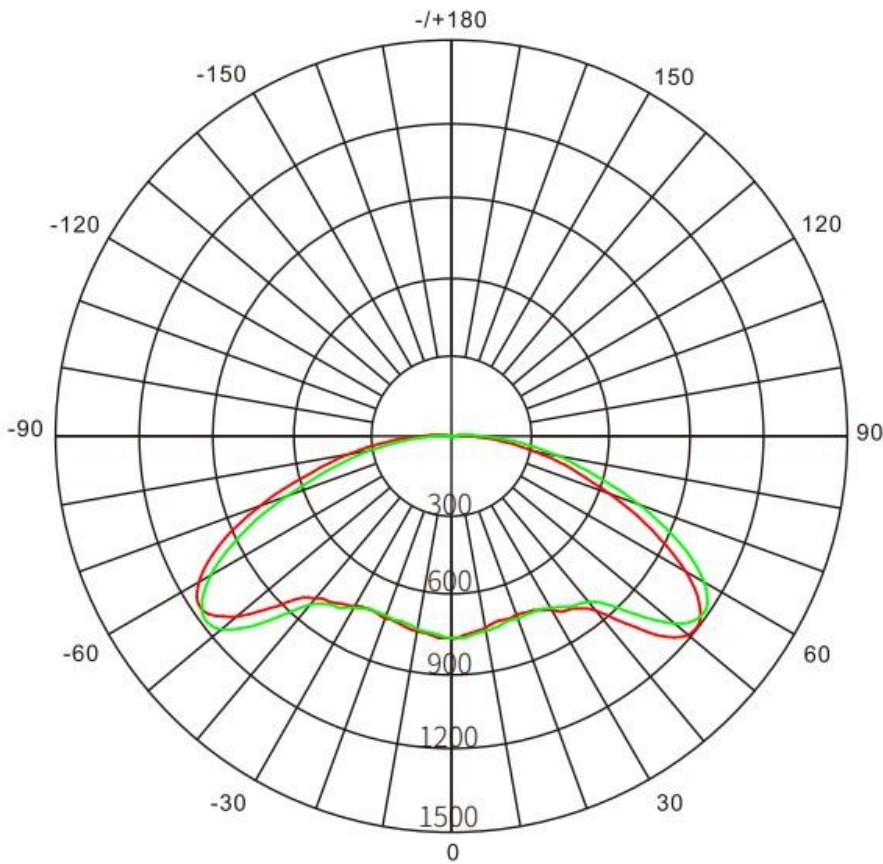
pendant mounting



ceiling mounting



PHOTOMETRICS



AVERAGE BEAM ANGLE(50%):160°

UNIT:CD

Test Number:AST-LJ01-21WBMUSA1-ab	— C0/180,159.5
Lumens:2520LM	— C30/210,160.5
Test Number:21W	— C60/240,158.9
Test Number:5000K	— C90/270,161.1





INSTALLATION INSTRUCTIONS

Cautions:

1. Do not use any electric generator to test the LED fixture.
2. Please abide by related country, regional and local law and regulations when installing this fixture.
3. Please turn off the power before installation or maintenance.
4. Proper earth grounding is required to ensure safety.

Notice:

1. To avoid possibility of electrical shock or fire, the installation personnel must have professional electric knowledge.
2. Please wear gloves to avoid injury before installation.
3. If any smoke or spark of the wire happened, please turn off the power immediately and notify relevant personnel.

Attention:

1. Please check if there is any damage during shipping. If so, please contact manufacturer timely.
2. Please read the installation instruction carefully to check whether all the accessories are complete. After confirmation, install the fixture according to installation steps.

Wiring Diagram & Instruction:

Wire and install the fixture as follows:

Step 1: Unscrew the driver box cover, as shown in Figure (1)

Step 2: Open the cover, there are five electronic lines, L, N, G, Dim+, Dim-

Step 3: Unscrew the 1/2" NPT nut, install suitable conduit to the conduit opening, pull the wire through the conduit hole and connect it to the terminal block (Figure 2); Wire connected to terminal block should be Aluminum or Copper Conductors.

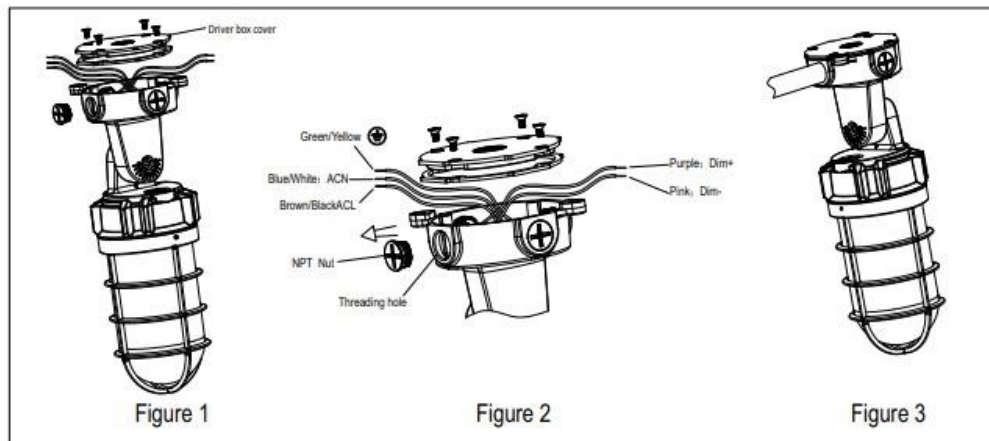
See label at the terminal block for wiring.

Step 4: Lock the driver box cover with screws. (Figure 3).

Step 5: After installation, please ensure all the wiring is in accordance with local connection standard.

Note:

All the conduit openings must be closed by conduit or NPT nut. When ever installing the NPT nut or conduit during installation or maintenance, please ensure silicone gel is added around the NPT nut.





INSTALLATION INSTRUCTIONS





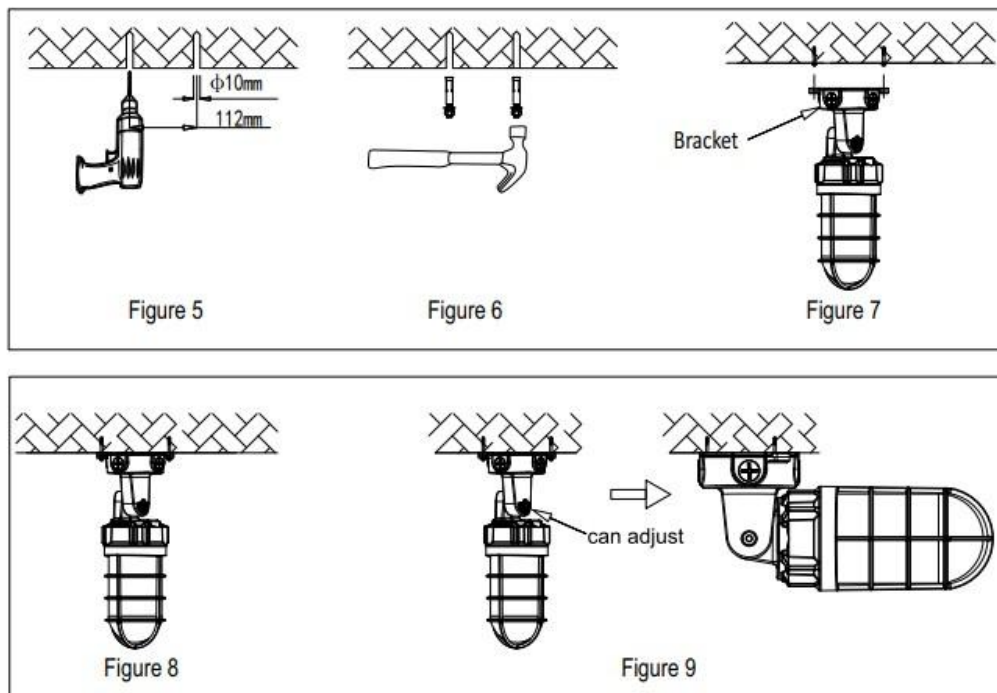
INSTALLATION INSTRUCTIONS

Installation Methods:

(Choose the appropriate installation method as needed)

CM: Ceiling mount

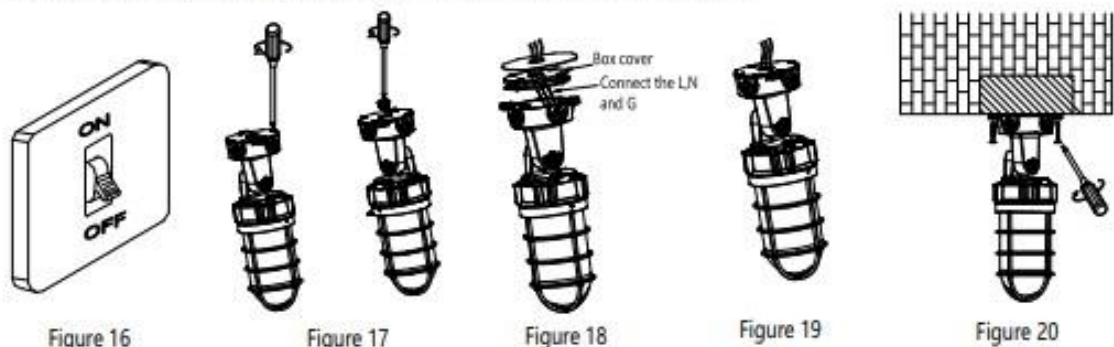
1. Make marks on the walls, and then drill holes on the marks (Figure 5).
2. Use a hammer to put the expansion screws into the holes (Figure 6).
3. The holes on the bracket should be aligned with the expansion screws (Figure 7).
4. Tighten the nut of the screws (Figure 8).
5. Wring according to the instructions on the first and second pages.
6. After installation, please wire in accordance with local wiring standard, and make sure to take good waterproof measures at the joint of conduit. Users can adjust degree to left or right from vertical downward direction by adjusting the screw on the bracket. (Figure 9).



LEGENDARY USA SUPPORT

Install with outlet box:

1. Turn off the power (Figure 16);
2. Loosen the 4 screws and remove the 1/2 end cap (Figure 17);
3. Attach the EVA cotton pad to box cover, and thread the wire through the bottom holes (Figure 18);
4. Connect the L, N and G wires to the power supply; Lock the box cover on the bracket with screws (Figure 19);
5. Lock the box on the mounting seat with screws (Figure 20);
6. Make sure the installation is complete before turning on the power switch.



INSTALLATION INSTRUCTIONS

FM: bracket wall mounting:

1. Use a chalk or sharp tool to mark signs on the top of the ceiling, then drill holes on the signs by electric drill (Figure 10).
2. Use a hammer to put the expansion screws into the holes (Figure 11).
3. The holes on the bracket should be aligned with the expansion screws, then push the fixture to one side (Figure 11).
4. Tighten the nut of the screws (Figure 12).
5. Wiring according to the instructions on the first and second pages.
6. After installation, please wire in accordance with local wiring standard, and make sure to take good waterproof measures at the joint of conduit.

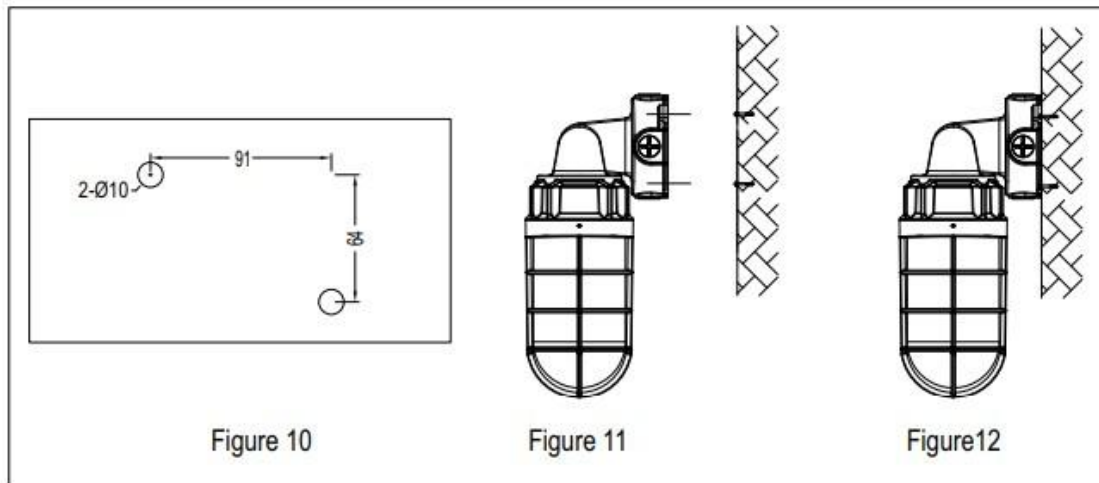


Figure 10

Figure 11

Figure 12

TM: Threaded pipe mounting

1. Unscrew the gasketed cap from the fixture (Figure 13).
2. Pass the wire in the threaded pipe through the hole and connect to the wire of the terminal accordingly (Figure 14).
3. After the wiring is completed, put the threaded pipe into the hole, turn it clockwise to tighten it. (Figure 14).
4. Lock the driver box cover with screws (Figure 15).
5. After installation, please wire in accordance with local connection standard, and make sure to take good waterproof measures at the joint of conduit.

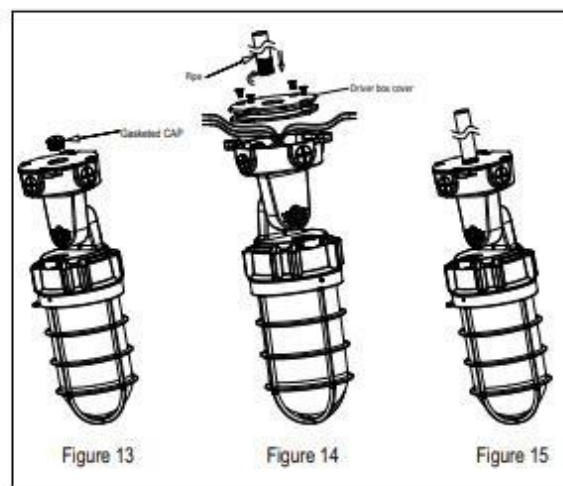


Figure 13

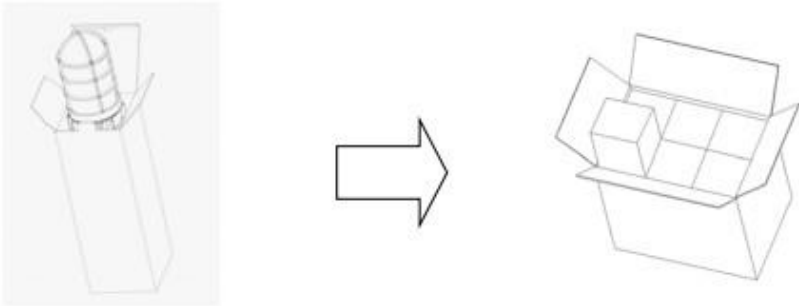
Figure 14

Figure 15

PRODUCT PACKAGING

Bracket Type	Carton Size	Qty / Carton	Net Weight / Carton	Gross Weight / Carton
Inner box	127*127*355mm	1 PCS	1 Kg	1.1 Kg
Outer box	398*269*375mm	6 PCS	6 Kg	6.6 Kg

Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.



*Tolerance of Carton Size: ±15 MM, Tolerance of Weight: ±10%.



PRODUCT WARNINGS

- Please turn off power before install or change assembly parts.
- The input voltage and lamps should be matched, after connecting the power line.
- Please make sure the wiring section is insulated.
- Professionals must install and disassemble the lamps.
- Surge is the number 1 cause of LED light failure. Outdoor lights must have surge at fixture, pole, and breaker.
- Surge is the number 1 cause of LED light failure. Indoor lights must have surge at fixture and breaker.

PRODUCT TROUBLESHOOTING

Issue	Check points
Light Flickers	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. Lights with photocells can have photocell tag from ambient light or light reflecting at the sensor. Simply cover the photocell completely and see if flickering continues while the photocell is covered. Call Tech Support for help if none of the above solves the issue.
Light does not work at all.	Check all wiring for disconnections, shorts and burnt wiring and connections. Confirm steady input voltage to the light fixture, fluctuating input voltage will harm the LED driver and can lead to premature failure. If input voltage is not in the voltage range of the fixture, you will need to find the source of your input voltage issue. Call Tech Support for help if none of the above solves the issue.

For more technical information, install questions, troubleshooting help or warranty claims, we have a dedicated US Tech and Customer Support Team to help solve any issues you have and can be reached by email or phone. If you need help with any of our products, we are here for you so that you are never in the dark!

BETTER LIGHTS. BETTER SUPPORT.

