

# IJL LED Series Luminaires

Vapor Proof / Vapor Tight Jelly Jar LED Lighting  
Enclosed and Gasketed Fixtures — Ordinary Locations

NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

## Applications

- Enclosed and gasketed LED fixtures with field selectable technology for a wide range of industrial areas where typical industries include:
  - Steel Production Facilities
  - Foundries
    - Wastewater Treatment Plants
    - Pulp and Paper mills
    - Other areas where corrosive, wet, dirty and tough environments are a problems
- Typical applications include:
  - Stairwells
  - Elevator pits
  - Eye wash and first aid stations
  - Emergency call stations
  - Exits, doorway lighting
  - Garages and storage areas
  - Outdoor walkways
  - Docks

## Features

- Compact, lightweight, flexible field selectable technology.
- Two field selectable light outputs (stepped dimming via connector) provide up to 5000 lumens:

Nominal Lumens	Incandescent Equivalent	Model
1000 or 2000	60-150W	IJLLED1QZBU
3500 or 5000	200-300W	IJLLED5QZBU

- 3000K/4000K/5000K CCT field selectable (70 CRI min).
- All-in-One pendant, ceiling or wall mount.
  - For wall mount: 0 to 90 degrees adjustable with a lock in mechanism.
- Five 3/4" NPT knockouts/hubs available for pipe or conduit mounting.
- Lightweight 2.3 to 3.1 (5.08 to 6.84 lbs).
- Ambient Temperature: -40 °C to +55 °C (-40 °F to +131 °F).
- Universal Voltage: 120-277 Vac, 50/60 Hz.
- Standard 6 kV surge suppression.
- Photometric data and electronic drawing available upon request.

+25 °C (+77 °F)	Reported	> 60000
	Calculated	> 200000
+55 °C (+131 °F)	Reported	> 60000
	Calculated	> 100000

- Reported L70:

## Warranty

- 5 year standard warranty.

## Options

- All models;
  - Globe guard available *purchase separately*.
  - Colored polycarbonate globes available, *purchase separately*.



IJLLED1QZBU



IJLLED5QZBU

## Standard Materials

- Mounting hood housing: cast copperfree (4/10 of 1% max.) aluminum
- Fixture housing: cast copperfree (4/10 of 1% max.) aluminum
- Gaskets: silicone rubber
- All hardware and catch assemblies: stainless steel
- Globe: polycarbonate
- Globe guard: stainless steel

## Standard Finishes

- Fixture housing: gray epoxy powder coat finish, electrostatically applied for complete uniform protection

## NEC/CEC Certifications and Compliances

- UL Standards: UL 1598, UL 50E, UL1598A, UL 8750
- CSA Standards: C22.2 No. 250.0; C22.2 No. 250.13; C22.2 No. 94.2; C22.2 No. 0; C22.2 No. 60529
- cETLus certificate : 105615110CHI-001

## DesignLights™ Consortium

- Check DLC QPL for current list of products.

For warranty details go to [www.appleton.emerson.com](http://www.appleton.emerson.com).

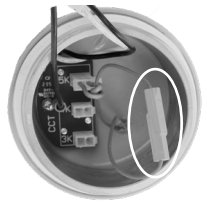
# IJL LED Series Luminaires

Vapor Proof / Vapor Tight Jelly Jar LED Lighting  
Enclosed and Gasketed Fixtures — Ordinary Locations

NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

## Illustrated Features — All Models

### Field Selectable Lumen Output



High Lumen Setting



Low Lumen Setting

Fixtures offer dual lumen outputs that are selectable by the user.  
(stepped dimming via connector)

### All In One Mounting Hood Option



Ceiling Mount



Wall Mount



Pendant Mount

Single mounting hood provides multiple ways to mount the IJL LED fixture

### Diffused Polycarbonate Globe



Provides visible, comfortable lighting  
in all applications.

### Optional Wire Guard



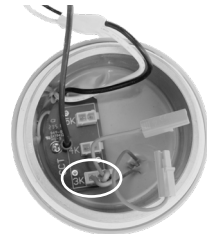
Stainless steel wire guard (GUARDL/GUARDH)  
can be used for additional protection.

### Optional Colored Globes



Optional polycarbonate color globes available in red  
(RECAPL/ RECAPH), green (GRCAPL/ GRCAPH), blue  
(BLCAPL/ BLCAPH), and amber (AMCAPL/ AMCAPH).  
Used as indicator lights in multiple applications.

### Field Selectable CCT Level



3000K



4000K



5000K

Fixtures offer a choice of field selectable correlated color temperature (CCT).

### User Replaceable LED Luminaire Fixtures



IJLLED5QZBU



IJLLED1QZBU

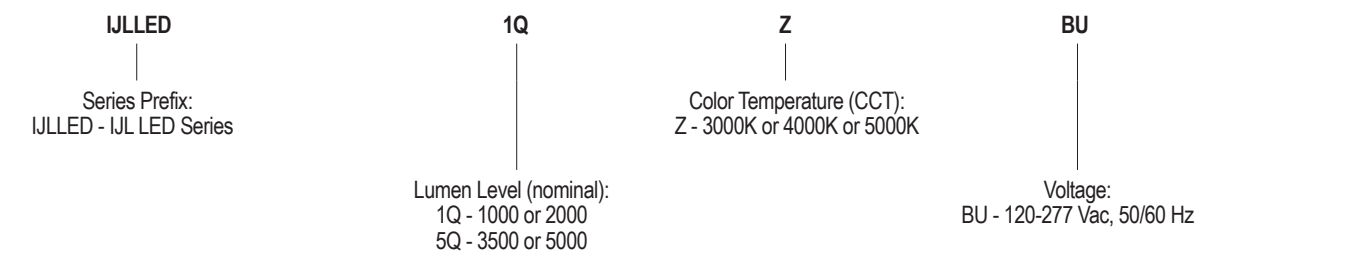
Fixtures are easily user replaceable when at end of life.

# IJL LED Series Luminaires

Vapor Proof / Vapor Tight Jelly Jar LED Lighting  
Enclosed and Gasketed Fixtures — Ordinary Locations

NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

## Order Using Catalog Numbering Guide — IJL LED Series Luminaires



## Lumen Output (Efficacy) ①

Model	Incandescent Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Light Output — Setting 1 @ 120V		Light Output — Setting 2 @ 120V	
					Lumen Output (LM)	Efficacy (lm/W)	Lumen Output (LM)	Efficacy (lm/W)
IJLLED1QZBU	60-150W	Type V	5000K	>70	1000	149	2000	132
			4000K	>80	1000	149	2000	138
			3000K	>80	1000	134	2000	117
IJLLED5QZBU	200-300W	Type V	5000K	>70	3500	141	5000	131
			4000K	>80	3500	144	5000	137
			3000K	>80	3500	126	5000	117

① All values are typical (tolerance +/- 10%)

IJL LED Series Luminaires

Vapor Proof / Vapor Tight Jelly Jar LED Lighting

Enclosed and Gasketed Fixtures — Ordinary Locations

NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

Electrical Specifications ①

Model	Lumen	Selected CCT	Voltage	Input Power (Watts)	Input Current (Amps)	Power Factor (PF)	Total Harmonic Distortion (THD)	
Low Lumen Model – IJLLED1QZBU								
	1000	3000K	120 Vac	7.1	0.06	0.96	11	
			277 Vac	8.2	0.04	0.77	27	
		4000K	120 Vac	7	0.06	0.97	11	
			277 Vac	8.1	0.04	0.77	27	
		5000K	120 Vac	7.1	0.06	0.96	11	
			277 Vac	8.2	0.04	0.77	27	
		2000	3000K	120 Vac	15.2	0.13	0.99	8
				277 Vac	16.2	0.07	0.9	17
4000K	120 Vac		14.7	0.12	0.99	9		
	277 Vac		15.5	0.06	0.9	18		
5000K	120 Vac		15.2	0.13	0.99	8		
	277 Vac		16.2	0.07	0.9	19		
High Lumen Model – IJLLED5QZBU								
	3500	3000K	120 Vac	27.1	0.23	0.99	9	
			277 Vac	27.6	0.12	0.84	26	
		4000K	120 Vac	26.4	0.22	0.99	9	
			277 Vac	26.9	0.12	0.84	27	
		5000K	120 Vac	26.9	0.23	0.99	8	
			277 Vac	27.6	0.12	0.84	26	
	5000	3000K	120 Vac	37.6	0.32	0.99	12	
			277 Vac	37.6	0.15	0.9	20	
		4000K	120 Vac	36.3	0.31	0.99	13	
			277 Vac	36.3	0.15	0.9	20	
		5000K	120 Vac	37.5	0.32	0.99	12	
			277 Vac	37.6	0.15	0.9	19	

Description	Weight in kg (lbs)
IJLLED1QZBU	2.30 (5.08)
IJLLED5QZBU	3.10 (6.84)













# IJL LED Series Luminaires

Vapor Proof / Vapor Tight Jelly Jar LED Lighting  
Enclosed and Gasketed Fixtures — Ordinary Locations

NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

## Accessories and Replacement Parts

	Description	Weight in g (oz)	Catalog Number
<b>Colored Globes</b>			
	Low Lumen Model Polycarbonate Globe — Amber	34 (1.2)	AMCAPL
	High Lumen Model Polycarbonate Globe — Amber	64 (2.3)	AMCAPH
	Low Lumen Model Polycarbonate Globe — Blue	34 (1.2)	BLCAPL
	High Lumen Model Polycarbonate Globe — Blue	64 (2.3)	BLCAPH
	Low Lumen Model Polycarbonate Globe — Red	34 (1.2)	RECAPL
	High Lumen Model Polycarbonate Globe — Red	64 (2.3)	RECAPH
	Low Lumen Model Polycarbonate Globe — Green	34 (1.2)	GRCAPL
	High Lumen Model Polycarbonate Globe — Green	64 (2.3)	GRCAPH
<b>Guards</b>			
	Low Lumen Model Globe Guard — Stainless Steel	90 (3.2)	GUARDL
	High Lumen Model Globe Guard — Stainless Steel	65 (2.3)	GUARDH
<b>Replacement IJL Fixtures</b>			
	Low Lumen Fixture (LEDs and Driver Included)		IJLLED1QZBU
	High Lumen Fixture (LEDs and Driver Included)		IJLLED5QZBU

# IJL LED Series Luminaires

Vapor Proof / Vapor Tight Jelly Jar LED Lighting  
Enclosed and Gasketed Fixtures — Ordinary Locations

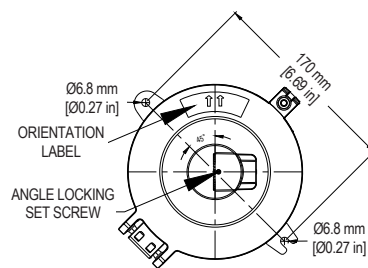
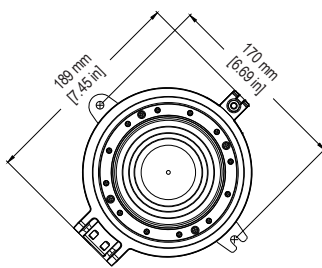
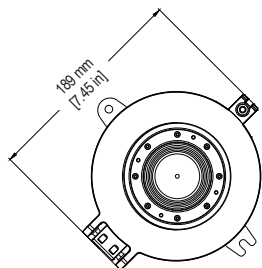
NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

## Dimensions in Millimeters (Inches)

IJLLED1QZBU

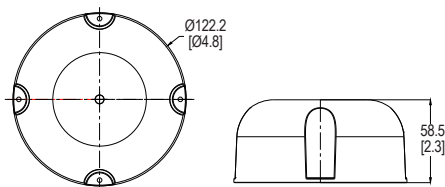
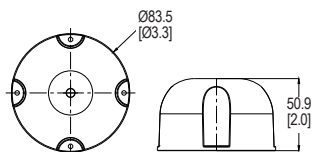
IJLLED5QZBU

Complete Assembly



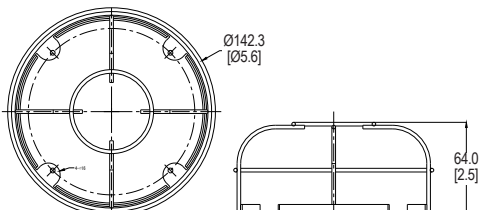
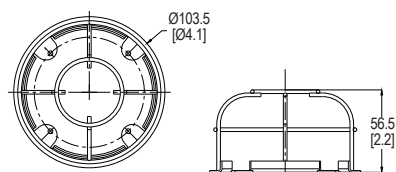
Low Lumen Model Lens Cap:  
RECAPL, BLCAPL, GRCAPL, AMCAPL

High Lumen Model Lens Cap:  
RECAPH, BLCAPH, GRCAPH, AMCAPH



Low Lumen Model Lens Guard:  
GUARDL

High Lumen Model Lens Guard:  
GUARDH



# IJL LED Series Luminaires

Vapor Proof / Vapor Tight Jelly Jar LED Lighting  
Enclosed and Gasketed Fixtures — Ordinary Locations

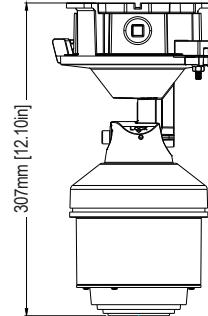
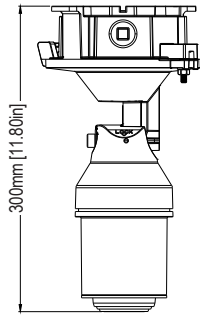
NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

## Dimensions in Millimeters (Inches)

IJLLED1QZBU

IJLLED5QZBU

### Mounting Hood

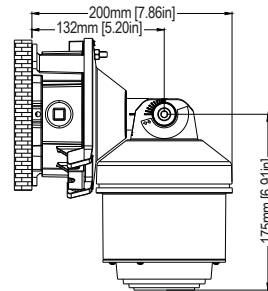
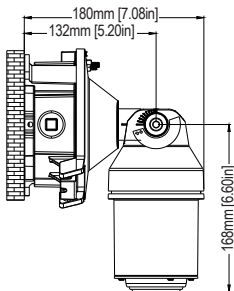


## Dimensions in Millimeters (Inches) — Wall Mounting Orientations — 0° Adjustable to 90°

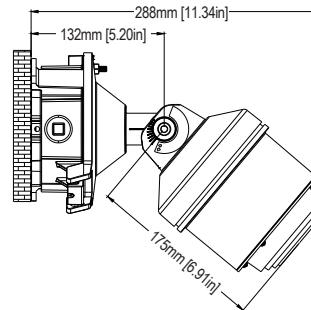
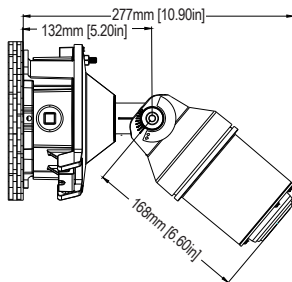
IJLLED1QZBU

IJLLED5QZBU

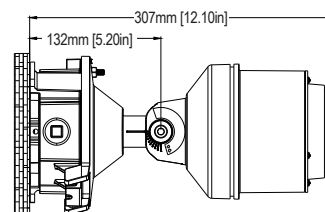
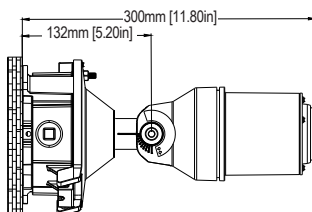
### Wall Mount — 0°



### Wall Mount — 40°



### Wall Mount — 90°



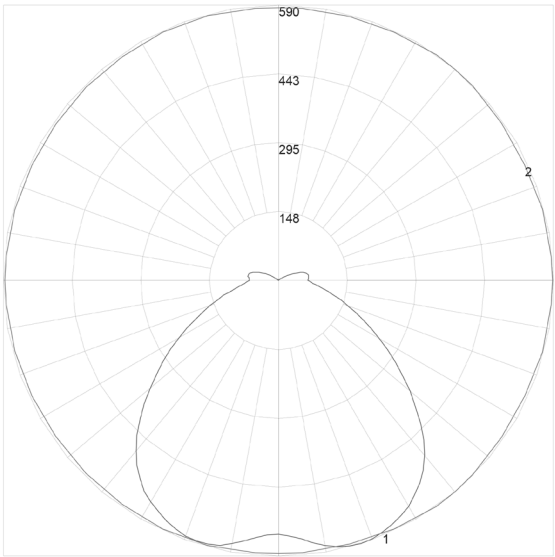
IJL LED Series Luminaires  
Vapor Proof / Vapor Tight Jelly Jar LED Lighting  
Enclosed and Gasketed Fixtures — Ordinary Locations

NEC/CEC: cETLus listed | Type 3R, 4, 4X | IP 66 | Suitable for wet locations | Marine outside type (salt water)\* for USA only

LED Luminaires | Area / Task | Ordinary Location | NEC / CEC

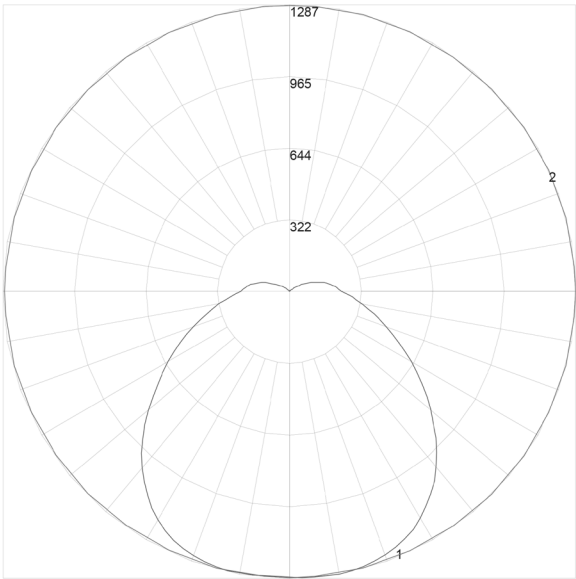
Photometric Data — Polar Candela Distribution — DATA SHOWN IS ABSOLUTE

TYPE V, DIFFUSED POLYCARBONATE, 5000K CCT  
REPORT NUMBER: GLOED1QZBU  
Luminaire Lumens 2000



Maximum Candela = 590 Located At Horizontal Angle = 50, Vertical Angle = 17.5  
1 - Vertical Plane Through Horizontal Angles (50 - 230) (Through Max. Cd.)  
2 - Horizontal Cone Through Vertical Angle (17.5) (Through Max. Cd.)

TYPE V, DIFFUSED POLYCARBONATE, 5000K CCT  
REPORT NUMBER: GLOED5QZBU  
Luminaire Lumens 5000



Maximum Candela = 1287 Located At Horizontal Angle = 0, Vertical Angle = 7.5  
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
2 - Horizontal Cone Through Vertical Angle (7.5) (Through Max. Cd.)