

# Glomaster™ LED Series Luminaires

## Vapor Proof / Vapor Tight Jelly Jar LED Lighting

Enclosed and Gasketed Fixtures — Hazardous Locations

NEC/CEC: Class I Division 2 Groups A, B, C, D | Class II Division 1 Groups E, F, G | Class III | Class I Zone 2 | Zone 20 Type 3R, 4, 4X | IP66 | Suitable for wet locations | Simultaneous Exposure | Marine outside type (salt water)\* for USA only

### Applications

- Enclosed and gasketed LED fixtures with field selectable technology for a wide range of hazardous areas where typical industries include:
  - Manufacturing plants, chemical and petrochemical processing facilities, water/wastewater treatment plants, and off-shore and dockside installations.
- Typical applications include:
  - Stairwells
  - Elevator pits
  - Eye wash and first aid stations
  - Emergency call stations
  - Exits, doorway lighting
  - Access tunnels
  - Garages and storage areas
  - Outdoor walkways
  - Docks
  - Class I, Division 2 area where extra light is required

### 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	GLOLED1QZBU
3500 or 5000	200-300W	GLOLED5QZBU

- 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.
- Reported L70:

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

### Warranty

- 5 year standard warranty.

### Options

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



GLOLED1QZBU



GLOLED5QZBU

### 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 844, UL 1598, UL 50E, UL 8750
- CSA Standards: C22.2 No. 0:20; C22.2 No. 94.2:20; C22.2 No. 250.0:21; C22.2 No. 250.13:23
- cETLus Certificate: 105636677DAL-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).

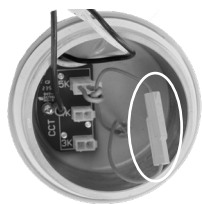
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## Illustrated Features — All Models

### 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 Glomaster LED fixture

### Diffused Polycarbonate Globe



Provides visible, comfortable lighting  
in all applications.

### Optional Wire Guard



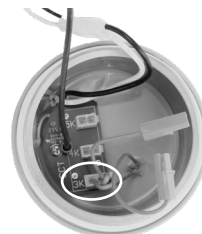
Stainless steel wire guard (GUARDL/GUARDH)  
can be used for additional protection.

### 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



GLOLED5QZBU



GLOLED1QZBU

Fixtures are easily user replaceable when at end of life.

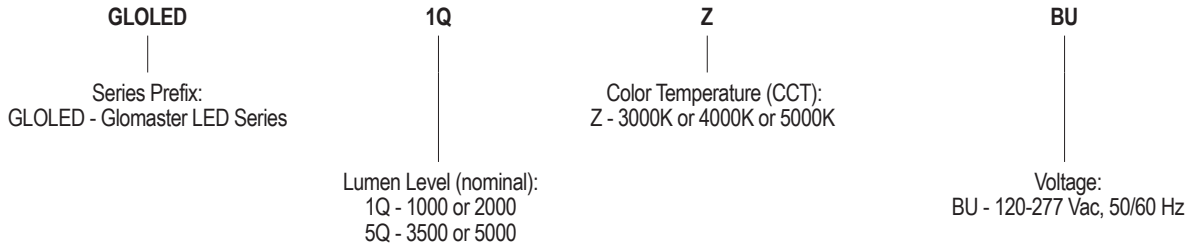
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## Order Using Catalog Numbering Guide — Glomaster LED Series Luminaires



## Lumen Output (Efficacy) ①

Model	Incandescent Equivalency	Light Distribution Pattern	CCT (Correlated Color Temperature)	CRI (Color Rendering Index)	Light Output — Setting 1		Light Output — Setting 2	
					Lumen Output (LM)	Efficacy (lm/W)	Lumen Output (LM)	Efficacy (lm/W)
GLOLED1QZBU	60-150W	Type V	5000K	>70	1000	149	2000	132
			4000K	>80	1000	149	2000	138
			3000K	>80	1000	134	2000	117
GLOLED5QZBU	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%)

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LED Luminaires | Area / Task | Hazardous 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 — GLOLED1QZBU							
	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 — GLOLED5QZBU							
	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

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## NEC/CEC Temperature Codes

Model	Ambient Temperature °C (°F)	Supply Wire Temperature °C (°F)	Class I, Division 2, Groups A, B, C, D	Class I, Zone 2, Groups IIC	Class II, Division 1, Groups E, F, G	Zone 20, Group IIIC	Class I, Division 2 and Class II, Division 1
GLOLED5Q	55 (131)	75 (167)	T4A	T4A	T85C	T85C	T4A
GLOLED1Q	55 (131)	75 (167)	T6	T6	T80C	T80C	T6

## NEC/CEC — “T” Numbers Represent the Maximum Internal Temperature or Maximum Surface Temperature ① ②

“T” #	T1	350	325	T2	T2A	T2B	T2C	T2D	T3	T3A	T3B	T3C	T4	T4A	T5	T6
Temp. Range °C (°F)	+351 to +450 (+664 to +842)	+326 to +350 (+619 to +662)	+301 to +325 (+574 to +617)	+281 to +300 (+538 to +572)	+261 to +280 (+502 to +536)	+231 to +260 (+448 to +500)	+216 to +230 (+421 to +446)	+201 to +215 (+394 to +419)	+181 to +200 (+358 to +392)	+166 to +180 (+331 to +356)	+161 to +165 (+322 to +329)	+136 to +160 (+277 to +320)	+121 to +135 (+250 to +275)	+101 to +120 (+214 to +248)	+86 to +100 (+187 to +212)	+85 (+185)

Description	Weight in kg (lbs)
GLOLED1QZBU	2.30 (5.08)
GLOLED5QZBU	3.10 (6.84)

① T numbers represent the maximum internal temperature for Class I, Division 2 and Class I, Zone 2 locations designated by the NEC.  
② T numbers represent the maximum surface temperature under a dust blanket for Class II, Division 1 and Class I, Zone 2 as designated by the NEC or Zone 2 (Gas) and 22 (Dust) locations as designated by the IEC.





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Marine outside type (salt water)\* for USA only

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

## Accessories and Replacement Parts

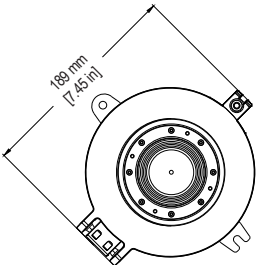
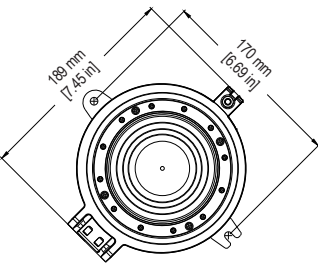
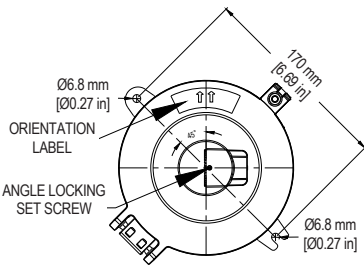
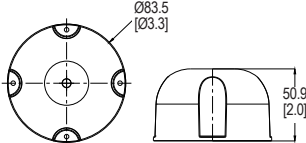
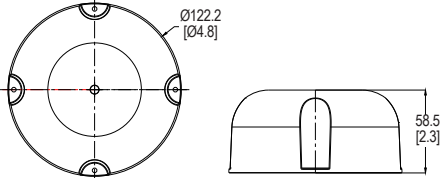
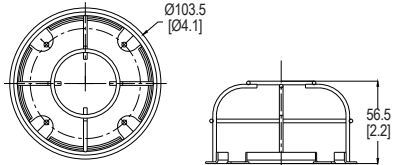
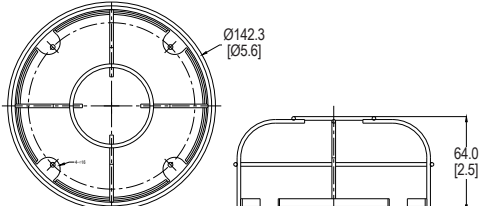
	Description	Weight in g (oz)	Catalog Number
<b>Colored Globes</b>			
	Low Lumen Model Polycarbonate Globe — Amber	34 (1.2)	AMCAPL
	High Lumen Model Polycarbonate Globe — Amber	64 (2.3)	AMCAPH
	Low Lumen Model Polycarbonate Globe — Blue	34 (1.2)	BLCAPL
	High Lumen Model Polycarbonate Globe — Blue	64 (2.3)	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 Glomaster Fixtures</b>			
	Low Lumen Fixture (LEDs and Driver Included)		GLOEDF1QZBU
	High Lumen Fixture (LEDs and Driver Included)		GLOEDF5QZBU

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## Dimensions in Millimeters (Inches)

GLOLED1QZBU	GLOLED5QZBU	Complete Assembly
		
<b>Low Lumen Model Lens Cap:</b> RECAPL, BLCAPL, GRCAPL, AMCAPL	<b>High Lumen Model Lens Cap:</b> RECAPH, BLCAPH, GRCAPH, AMCAPH	
		
<b>Low Lumen Model Lens Guards:</b> GUARDL	<b>High Lumen Model Lens Guards:</b> GUARDH	
		

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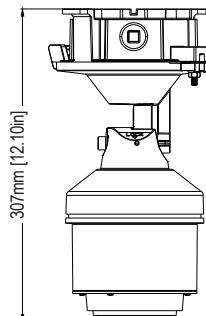
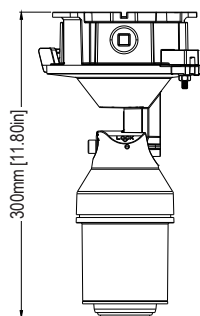
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## Dimensions in Millimeters (Inches)

GLOLED1QZBU

GLOLED5QZBU

### Mounting Hood

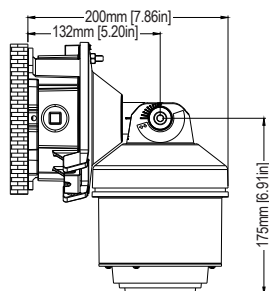
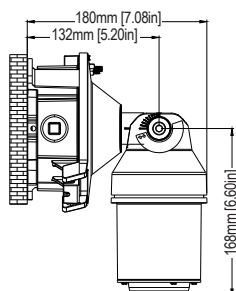


## Dimensions in Millimeters (Inches) — Wall Mounting Orientations — 0° Adjustable to 90°

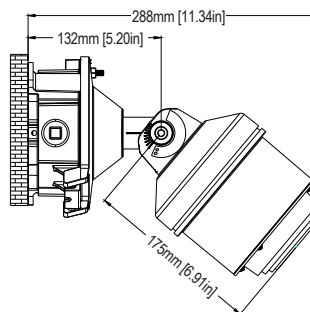
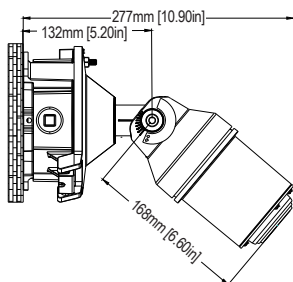
GLOLED1QZBU

GLOLED5QZBU

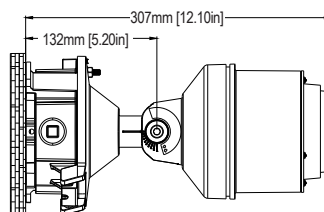
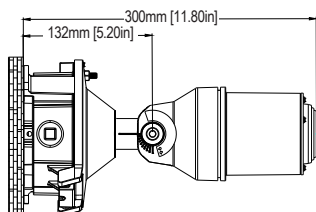
### Wall Mount — 0°



### Wall Mount — 40°



### Wall Mount — 90°





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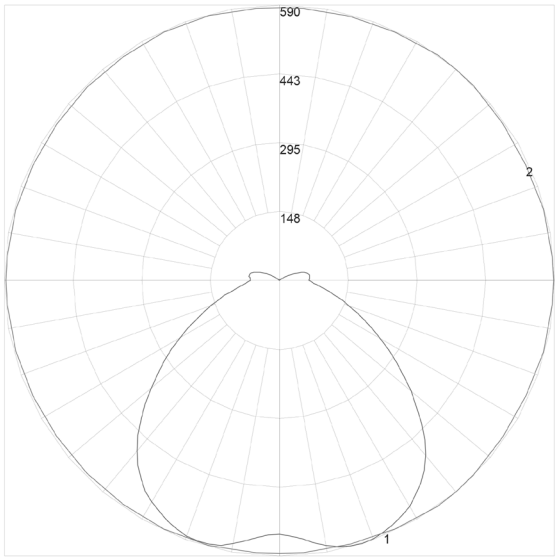
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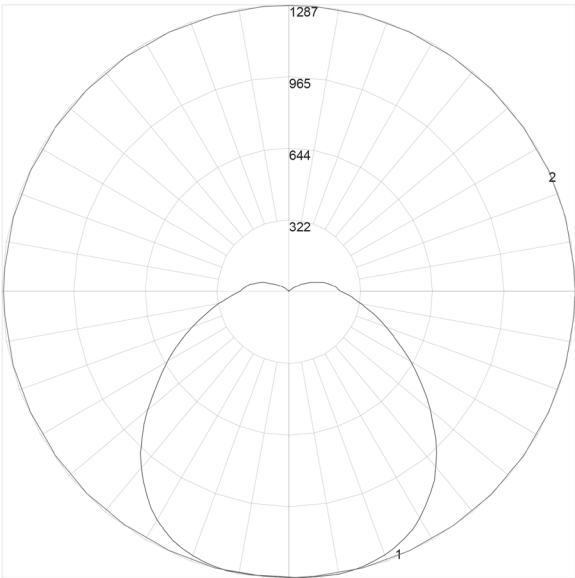
## Photometric Data — Polar Candela Distribution — DATA SHOWN IS ABSOLUTE

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.)