



Gardco Gullwing LED GL13 area luminaires combine LED performance excellence and advanced Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

Project: \_\_\_\_\_  
 Location: \_\_\_\_\_  
 Cat.No: \_\_\_\_\_  
 Type: \_\_\_\_\_  
 Lamps: \_\_\_\_\_ Qty: \_\_\_\_\_  
 Notes: \_\_\_\_\_

Ordering guide

Example: GL13-DIM-4-70LA-6435-NW-120-BRP-LF

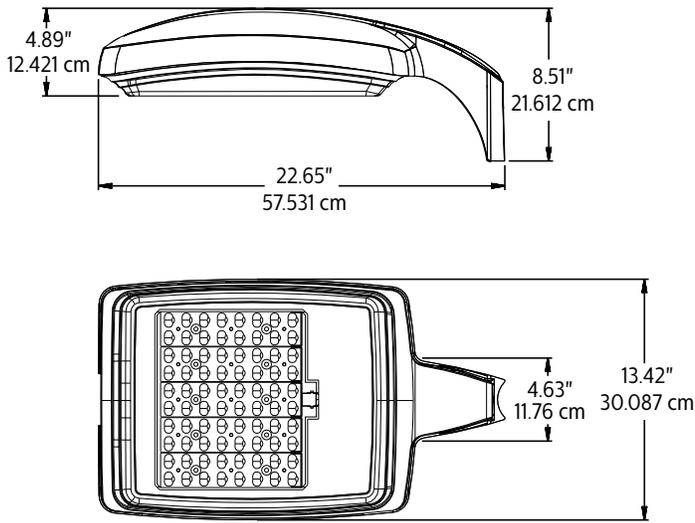
Prefix	Controls	Mounting	Optical System <sup>4</sup>	Wattage	LED Color	Voltage	Finish	Options
<b>GL13</b> 13" Gullwing LED Luminaire Constant Wattage  <b>GL13-RK</b> 13" Gullwing LED Retrofit Kit	<b>GL13-DIM</b> 13" Gullwing LED with 0-10V Dimming	-- Arm Mount (Standard, for 4" O.D. round pole)	<b>2</b> Type 2	<b>70LA-6435</b> 64 LEDs, 350mA	<b>NW</b> Neutral White 4000K, 70 min. CRI	<b>120</b>  <b>208</b>  <b>240</b>  <b>277</b>  <b>347</b>  <b>480</b>	<b>BLP</b> Black Paint	<b>LF</b> <sup>2</sup> In-Line/In-Pole Fusing
		<b>W</b> Wall Mount, Recessed J-Box (must order as separate line item)	<b>3</b> Type 3	<b>85LA-8035</b> 80 LEDs, 350mA	<b>CW</b> Cool White 5000K, 70 min. CRI	<b>208</b>  <b>240</b>  <b>277</b>  <b>347</b>  <b>480</b>	<b>WP</b> White Paint	<b>PC</b> <sup>1,2,3</sup> Photocontrol and Receptacle (Includes PCR5)
		<b>WS</b> Wall Mount, Surface Conduit (must order as separate line item)	<b>4</b> Type 4	<b>105LA-6453</b> 64 LEDs, 530mA	<b>WW</b> Warm White 3000K, 70 min. CRI	<b>240</b>  <b>277</b>  <b>347</b>  <b>480</b>	<b>BRP</b> Bronze Paint	<b>PCR7</b> <sup>1,3,4,5</sup> Photocell Receptacle only with 2 dimming and 2 auxiliary connections
			<b>5</b> Type 5			<b>UNV</b> (120-277V)	<b>NP</b> Natural Aluminum Paint	<b>IS</b> Internal House side Shield (types 2, 3, 4 only)
						<b>HVU</b> (347-480V)	<b>OC</b> Optional Color Specify optional color or RAL ex: OC-LGP or OC-RAL7024	<b>PTF2</b> <sup>6</sup> Pole Top Fitter 2 3/8" - 3" Dia. Tenon

- Not available with Retrofit Kits (**GL13-RK**).
- Voltage must be specified.
- Not available with **480V**.
- Works with 3-pin or 5-pin NEMA photocell/dimming device.
- If ordered with **DIM** dimming will not be connected to NEMA receptacle.
- Not available in 120" mounting configurations.
- Required for mounting to straight square poles.

# GL13 Gullwing LED area luminaire, small

## Site & Area

### Dimensions and EPA



#### EPA Data

1	2	3-4
.8 ft <sup>2</sup>	1.6 ft <sup>2</sup>	2.2 ft <sup>2</sup>
.07 m <sup>2</sup>	.15 m <sup>2</sup>	.20 m <sup>2</sup>

#### Approximate Weight Single Luminaire

33 lbs / 14.969 kg

## Technical Data

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts	Color Temp.	Type 2			Type 3		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
70LA-6435	64	350	70	4000K	6652	95	B2-U0-G1	6750	96	B1-U0-G2
85LA-8035	80	350	86	4000K	8064	95	B2-U0-G1	8173	95	B1-U0-G2
105LA-6453	64	530	101	4000K	9870	97	B2-U0-G2	9385	93	B2-U0-G2

Ordering Code	Total LEDs	LED Current (mA)	Average System Watts	Color Temp.	Type 4			Type 5		
					Lumen Output	Efficacy (LPW)	BUG Rating	Lumen Output	Efficacy (LPW)	BUG Rating
70LA-6435	64	350	70	4000K	6731	96	B1-U0-G2	6657	95	B3-U0-G1
85LA-8035	80	350	86	4000K	8027	94	B1-U0-G2	8025	93	B3-U0-G2
105LA-6453	64	530	101	4000K	9388	93	B2-U0-G2	9139	90	B3-U0-G2

Values from photometric tests performed in accordance with IESNA LM-79 and are representative of the configurations shown. Actual performance may vary due to installation and environmental variables, LED and driver tolerances, and field measurement considerations. It is highly recommended to confirm performance with a photometric layout.

NOTE: Some data may be scaled based on tests of similar (but not identical) luminaires. Contact factory for configurations not shown.

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## Site & Area

### Luminaire Configuration Information

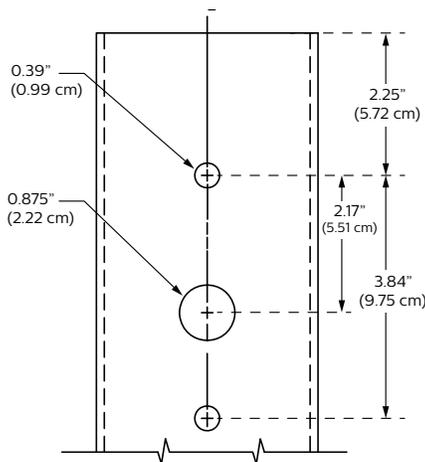
#### GL13

Gardco Gullwing LED standard luminaire providing constant wattage and constant light output when power to the luminaire is energized.

#### GL13-DIM

Gardco Gullwing LED luminaire provided with 0 -10V dimming for connection to a control system provided by Philips or by others.

#### GL13 Drill Template



### Specifications

#### General Description

The Gardco Gullwing LED GL13 area luminaire is defined by its high performance, sleek profile and rugged construction. Gullwing LED luminaires combine LED performance excellence and advanced Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing.

#### Housing

A one-piece die cast aluminum housing mounts directly to a pole or wall without the need for a support arm. The low profile rounded form reduces the effective projected area of the luminaire to only 0.8 ft<sup>2</sup> / 0.07 m<sup>2</sup>.

#### IP Rating

Gullwing LED 13" optics are IP65 rated.

#### Thermal Management

The Gardco Gullwing LED provides extruded aluminum integral thermal radiation fins to provide the excellent thermal management so critical to long LED system life.

#### LED Optical System

LED arrays are set to achieve IES Type II, Type III, Type IV, and Type V, available with internal shields for back light control. Individual LED arrays are replaceable. Luminaires feature high performance Class 1 LED systems.

#### Electrical

Luminaires are equipped with an LED driver that accepts 120V through 277V, or 347V through 480V, 50hz to 60hz, input. Driver output is based on the LED wattage selected. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state. Surge protector standard. 10KA per ANSI/IEEE C62.41.2.

#### Finish

Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidyl isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for specs on optional or custom colors.

#### Labels

All luminaires bear UL or CUL (where applicable) Wet Location labels.

#### Limited Warranty

5 year limited warranty. See [signify.com/warranties](http://signify.com/warranties) for complete details and exclusions.

### Predicted lumen depreciation data:

PREDICTED LUMEN DEPRECIATION DATA				
Ambient Temperature °C	Driver mA	Calculated L <sub>70</sub> Hours	L <sub>70</sub> Per TM-21	Lumen Maintenance % @ 60,000 hours
25°C	up to 530 mA	>100,000	>60,000	82%

Predicted performance derived from LED manufacturer's data and engineering design estimates, based on IESNA LM-80 methodology. Actual experience may vary due to field application conditions. L<sub>70</sub> is the predicted time when LED performance depreciates to 70% of initial lumen output. Calculated per IESNA TM21-11. Published L<sub>70</sub> hours limited to 6 times actual LED test hours.

### Buy American Act of 1933 (BAA):

This product is manufactured in one of our US factories and, as of the date of this document, this product was considered a commercially available off-the-shelf (COTS) item meeting the requirements of the BAA. This BAA designation hereunder does not address (i) the applicability of, or availability of a waiver under, the Trade Agreements Act, or (ii) the "Buy America" domestic content requirements imposed on states, localities, and other non-federal entities as a condition of receiving funds administered by the Department of Transportation or other federal agencies. Prior to ordering, please visit [www.signify.com/baa](http://www.signify.com/baa) to view a current list of BAA-compliant products to confirm this product's current compliance.



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