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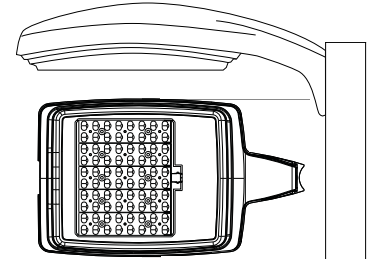


Gullwing LED

GLI3 Area Luminaires

Page 1 of 3

Philips Gardco Gullwing LED luminaires combine LED performance excellence and advanced Philips Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting that is both energy efficient and aesthetically pleasing. The Philips Gardco Gullwing LED is defined by its high performance, sleek profile and rugged construction. The housing is one-piece, die cast aluminum and mounts directly to a pole or wall without the need of a separate support arm. The advanced LED optical systems provide IES Types II, III, IV and V distributions. The luminaire features a state of the art integral thermal control system to maximize LED performance and life, and to extend component life. All LED wattages utilize high performance Class I LED systems. The door frame is single-piece die cast aluminum, and includes a tempered glass lens. Luminaires are finished with a fade and abrasion resistant TGIC powdercoat. Gullwing LED luminaires provide full cutoff performance.



PREFIX	MOUNTING	OPTICAL SYSTEM	LED WATTAGE	LED SELECTION	VOLTAGE	FINISH	OPTIONS
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Enter the order code into the appropriate box above. Note: Philips Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

PREFIX

Complete Luminaires

GLI3 13" Gullwing LED Luminaire - Constant Wattage

GLI3-DIM 13" Gullwing LED Luminaire - with 0-10V Dimming

Retrofit Kits for existing Gullwing 13" HID luminaires are available. See Legacy LED Retrofit Kits Submittal Data Sheet (G200-21) for Retrofit Kit information.

MOUNTING

- 1** Single Pole Mount
- 2** Twin Pole Mount at 180°
- 2@90** Twin Pole Mount at 90°
- 3** 3-way Pole Mount at 90°
- 3@120°¹** 3-way Pole Mount at 120°
- 4** 4-way Pole Mount
- W** Wall Mount, Recessed J-box
- WS** Wall Mount, Surface Conduit

1. Not available with PTF option.

OPTICAL SYSTEM

- 2²** Type II
- 3²** Type III
- 4²** Type IV
- 5³** Type V

2. Optics are field rotatable.
3. Features unitized lens.

LED WATTAGE AND LUMEN VALUES

Ordering Code	Average System Watts ⁴	LED Current (mA)	LED Selection	Luminaire Initial Absolute Lumens ^{5,6}				Basis of Lumen Data
				TYPE 2	TYPE 3	TYPE 4	TYPE 5	
70LA	71.2	350	CW	5,858	6,177	6,008	5,853	Photometric tests performed in compliance with IESNA LM-79.
			NW	5,636	5,854	5,696	5,479	
85LA	85.9	350	CW	7,531	7,714	7,495	7,384	
			NW	6,973	7,143	6,940	6,837	

4. Wattage may vary by +/- 8% due to LED manufacturer forward volt specification and ambient temperature. Wattage shown is average for 120V through 277V input. Actual wattage may vary by an additional +/- 10% due to actual input voltage.

5. Values shown are for luminaires without the HS external shield option. Tests are in process for luminaires with the HS option and WW luminaires. Contact Gardco.applications@philips.com if approximate estimates are required for design purposes.

6. LED arrays feature LEDs that provide from 100 to 130 lumens per watt when operated at 350 mA. Lumen values based on tests performed in compliance with IESNA LM-79.

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G200-017/0212

PHILIPS





Gullwing LED

GLI3 Area Luminaires

LED SELECTION

CW	Cool White - 5700°K - 75 CRI
NW	Neutral White - 4000°K - 75 CRI
WW	Warm White - 3000°K - 75 CRI

VOLTAGE

UNIV	120V through 277V, 50hz or 60hz
HVU	347V through 480V, 50hz or 60hz (High Voltage Universal)

FINISH

BRP	Bronze Paint
BLP	Black Paint
WP	White Paint
NP	Natural Aluminum Paint
OC	Optional Color Paint <i>Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.</i>
SC	Special Paint <i>Specify. Must supply color chip.</i>

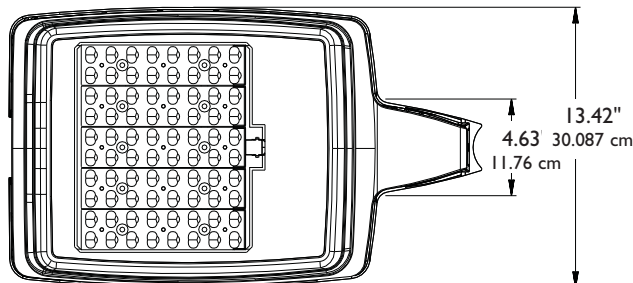
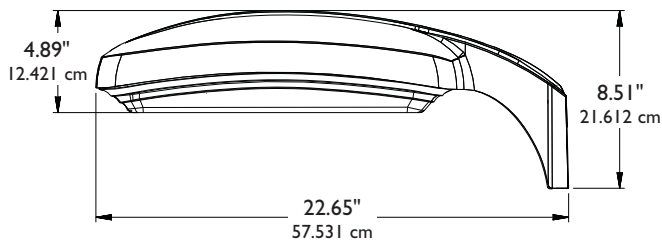
OPTIONS

F⁷	Fusing
LF⁷	In-Line/In-Pole Fusing
PC⁸	Photocontrol and Receptacle
PCR	Photocontrol Receptacle only
HS	External Houseside Shield
MF⁹	Mast Arm Fitter
PTF2¹⁰	Pole Top Fitter - 2 3/8" - 3" Dia. Tenon
PTF3¹⁰	Pole Top Fitter - 3" - 3 1/2" Dia. Tenon
PTF4¹⁰	Pole Top Fitter - 3 1/2" - 4" Dia. Tenon
SPA¹¹	Square Pole Adapter
TRI¹²	Single Transition
TR2¹²	Twin Transition
DL	Diffusing Lens (<i>reduces performance significantly</i>)
SPR	Surge Protection for 120V through 277V Input
SPRH	Surge Protection for 347V through 480V Input

SPRA	Surge Protection for 120V through 277V Input meeting ANSI C62.41.2
SPRAH	Surge Protection for 347V through 480V Input meeting ANSI C62.41.2

- 7. Specify input voltage
- 8. Specify input voltage. Not available above 277V.
- 9. Mounts to a 2-3/8" O.D. mast arm.
- 10. Not available in 120° mounting configurations.
- 11. Required for mounting to straight square poles.
- 12. Mounts to a 2-3/8" top tenon. Specify a pole with 3.00" top OD for a smooth transition.

DIMENSIONS AND EPA



EPA		
1	2	3-4
.8 ft ²	1.6 ft ²	2.2 ft ²
.07 m ²	.15 m ²	.20 m ²

Approximate Weight
Single Luminaire

33 lbs / 14.969 kg

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LUMINAIRE CONFIGURATION INFORMATION

GLI3: Philips Gardco Gullwing 13" LED standard luminaire providing constant wattage and constant light output when power to the luminaire is energized.

GLI3-DIM: Philips Gardco Gullwing 13" LED luminaire provided with 0 -10V dimming for connection to a control system provided by others.

SPECIFICATIONS

GENERAL DESCRIPTION: The Philips Gardco Gullwing LED is defined by its high performance, sleek profile and rugged construction. The housing is one-piece, die cast aluminum and mounts directly to a pole or wall without the need of a separate support arm. Gullwing LED luminaires combine LED performance excellence and advanced Philips Gardco LED thermal management technology with the distinct Gullwing style to provide outdoor area lighting and pedestrian scale 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 ft² / .07 m².

LED RELIABILITY:

PREDICTED LUMEN DEPRECIATION DATA		
Ambient Temperature °C	LED Wattage / Driver mA	L ₇₀ Hours ¹³
25 °C	70LA or 85LA / 350 mA	150,000
40 °C	70LA or 85LA / 350 mA	100,000

13. 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. L₇₀ is the predicted time when LED performance depreciates to 70% of initial lumen output.

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

OPTICAL SYSTEMS: Lensed LED arrays are set to achieve IES Type II, Type III, Type IV and Type V distributions. Individual LED arrays are replaceable. Types II, III and IV optical systems are field rotatable. Luminaires feature high performance Class I LED systems, and include a tempered glass lens.

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 for use at 600 VAC at 302°F / 150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher. Power factor is not less than 90%. Luminaire consumes 0.0 watts in the off state.

FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal 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.

WARRANTY: Philips Gardco luminaires feature a 5 year limited warranty. Philips Gardco LED luminaires with LED arrays feature a 5 year limited warranty covering the LED arrays. See Warranty Information on www.sitelighting.com for complete details and exclusions.

FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle at or above 90° above nadir. Additionally, the candela per 1000 lamp lumens does not numerically exceed 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.

CUTOFF PERFORMANCE: Cutoff performance means a luminaire distribution where the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle at or above 90° above nadir, and 100 (10 percent) at a vertical angle of 80° above nadir. This applies to all lateral angles around the luminaire.