

Featuring CosmoPolis and MasterColor Elite Electronic HID Systems

The Gardco Gullwing is an area luminaire defined by its 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 multifaceted arc-image duplicating optical systems provide IES Types I, II, III, IV and V distributions. The door frame is single-piece diecast aluminum and retains an optically clear tempered flat glass lens. The luminaire is completely sealed and gasketed preventing intrusion from moisture, dust and insects. Gullwing luminaires are finished with a fade and abrasion resistant TGIC powdercoat. Flat glass lens luminaires provide full cutoff performance. Sag Lens luminaires provide cutoff performance.

Project: _____
 Location: _____
 Cat.No: _____
 Type: _____
 Lamps: _____ Qty: _____
 Notes: _____

Ordering Guide

example: G181160CMPE120BRPF

Prefix	Mounting	Distribution
G18		
G18 18" Gullwing Luminaire Standard arm, without RPA (Round Pole Adapter), mounts to square poles.	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° 3-way Pole Mount at 120° 4 4-way Pole Mount W Wall Mount, Recessed J-Box WS Wall Mount, Surface Conduit	1¹ Type I, Horizontal Lamp 2XL Type II, Horizontal Lamp 3XL Type III, Horizontal Lamp 4XL Type IV, Horizontal Lamp BLC¹ Backlight Control Q¹ Type V, Horizontal Lamp AF² Concentrated Optic for Automotive Front Row Applications

Enter the order code into the appropriate box above. Note: 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.

1. Not available above 400 watts.
2. Available in 210MCE, 315MCE, 250PS90, 250PSMH and 400PSMH wattages only.

(following on page 2)

Gullwing G18 Area luminaires

(cont'd from page 1)

Ordering Guide

example: G181160CMPE120BRPF

Wattage				Voltage	Finish	Options
Pulse Start MH Magnetic Ballast	100MH ^{5,12} (E) 175PSMH (E)	250PSMH (E) 250PS90** (E) 320PSMH ^{3,12} (E)	350PSMH ^{3,12} (E) 400PSMH ³ (E)	120 208 200-277 <i>MCE and PSE types only.</i> 240 277 347 480	BRP Bronze Paint BLP Black Paint WP White Paint NP Natural OC Aluminum Paint Optional Color Paint Specify RAL designation ex: OC-RAL7024. SC Special Color Paint Specify. Must supply color chip.	F ¹¹ Fusing In Head LF In-Line/In-Pole Fusing PC ¹² Photocontrol and Receptacle PCR Photocontrol Receptacle only HS Internal Houseside Shield QS ⁹ Quartz Standby QST ⁹ Quartz Standby - Timed Delay Q924 ⁹ Quartz Emergency QT924 ⁹ Quartz Emergency - Timed Delay RPA1 ¹⁵ 3" Round Pole Adapter RPA2 ¹⁶ 4" and 5" Round Pole Adapter MA ¹⁷ Mast Arm Fitter PTF2 ¹⁹ Pole Top Fitter - 2 3/8" - 3" Dia. Tenon PTF3 ¹⁹ Pole Top Fitter - 3" - 3 1/2" Dia. Tenon PTF4 ¹⁹ Pole Top Fitter - 3 1/2" - 4" Dia. Tenon
MasterColor Elite Electronic System (See Notes 6,7,9,10)	210MCE-3K (E) 210MCE-4K (E)	315MCE-3K (E) 315MCE-4K (E)				
Pulse Start MH Electronic Ballast (See Note 9)	150PSE ⁵ (E)	175PSE (E)	250PSE (E) 320PSE ³ (E)			
High Pressure Sodium Magnetic Ballast	100HPS	150HPS 250HPS	400HPS 600HPS			
<p>** 250PS90 includes a 90% efficient magnetic PSMH ballast, meeting the requirements of California Title 20, effective 1/1/2010. Available in 120, 208, 240, 277V only.</p> <p>(E) Wattages marked with Circle "E" meet federal energy efficiency standards applicable to 150 watt through 400 watt metal halide luminaires only.</p>						

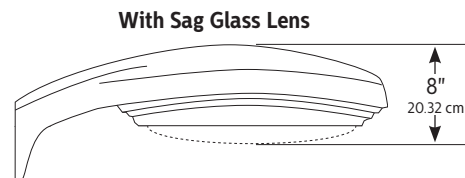
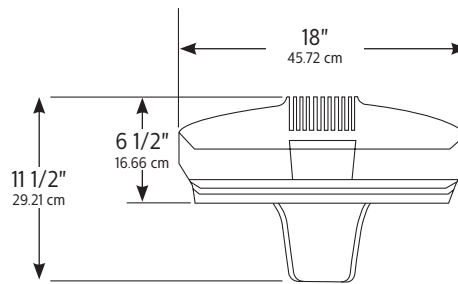
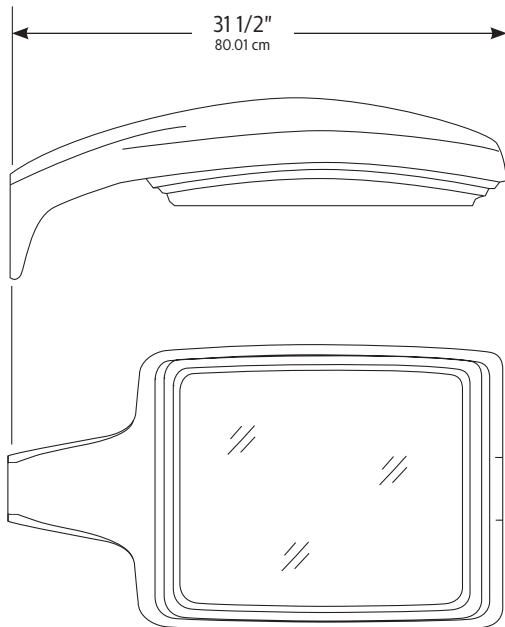
Enter the order code into the appropriate box above. Note: Gardco reserves the right to refuse a configuration. Not all combinations and configurations are valid. Refer to notes below for exclusions and limitations. For questions or concerns, please consult the factory.

- Requires E28/BT28 lamp.
- Mogul base lamp required.
- 347V and 480V MCE systems include and require an auxiliary transformer.
- MasterColor Elite Systems are supplied with lamp.
- See QS / Q924 Table on page 2.
- "-3K" suffix specifies a 3000°K lamp and "-4K" suffix specifies a 4000°K lamp.
- Not available in 480V. Provide specific input voltage.
- Required for 3" O.D. round or tapered round poles where top O.D. is less than 4".
- Required for 4" - 5" O.D. round poles.
- Mounts to a 2-3/8" O.D. mast arm.
- Not available in 120" mounting configurations.

(Note 9) QS / Q924 Table	
HID Lamp Watts	Maximum Quartz Lamp Watts
175 watts or less	100 Watts
Above 175 watts up to 400 watts	150 Watts

QS, QST, Q924, QT924 are not available with MCE or PSE wattages or in luminaires above 400 watts HID.

Dimensions and EPA



EPA Data		
1	2	3
1.2 ft ² .11 m ²	2.4 ft ² .22 m ²	3.2 ft ² .30 m ²

Gullwing G18 Area Luminaires

Specifications

GENERAL DESCRIPTION

The Gardco Gullwing is an area luminaire defined by its sleek profile and rugged construction. The housing is one-piece, diecast aluminum and mounts directly to a pole or wall without the need of a separate support arm. The multifaceted arc-image duplicating optical systems provide IES Types I, II, III, IV and V distributions. The door frame is single-piece diecast aluminum and retains an optically clear tempered flat glass lens. The luminaire is completely sealed and gasketed preventing intrusion from moisture, dust and insects. The Gullwing luminaires are finished with a fade and abrasion resistant TGIC powdercoat.

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 1.2 ft² / .11 m².

LENS ASSEMBLY

A single-piece diecast aluminum lens frame hinges down from the housing and is secured by a stainless steel lanyard and hinge pin.

An optically clear, heat and impact resistant tempered flat glass lens is mechanically secured with eight retainers. The electrical and optical chambers are thoroughly sealed with a one-piece memory retentive hollow-core EPDM gasket to prevent intrusion by moisture, dust, and insects.

OPTICAL SYSTEMS

The segmented optical systems are manufactured from homogenous sheet aluminum which has been electrochemically brightened, anodized and sealed. The multifaceted arc image duplicating systems are designed to produce IES Types I (1), II (2XL), III (3XL), IV (4XL and BLC), and V (Q). With the 2XL, 3XL and 4XL luminaires, the reflector facets form a conical fan around the arc tube

with each facet positioned to be precisely tangent to the top of the arc tube.

The lampholder is glazed porcelain with a nickel plated screw shell. Position-oriented mogul base sockets to accept high output horizontal metal halide lamps are supplied standard.

ELECTRICAL

All electrical components are UL recognized and factory tested. Electronic and magnetic HID ballasts are high power factor and mounted on a unitized tray with quick electrical disconnects. Magnetic HID ballasts are the separate component type. Electronic and magnetic HID ballasts are capable of providing reliable lamp starting down to -20°F / -29°C.

Luminaires provided with the MasterColor Elite high performance ceramic metal halide electronic systems include high power factor electronic ballasts, designed specifically for the system selected.

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

5 year limited warranty. See signify.com/warranties for complete details and exclusions.

