

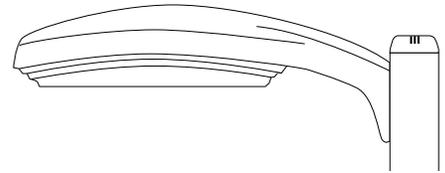
Notes:

Job:

Type:

GULLWING

G18 AREA LUMINAIRES



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.

CUTOFF CLASSIFICATION: Flat glass lens luminaires provide full cutoff performance. Sag lens luminaires provide cutoff performance.

ORDERING

PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

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.

PREFIX

G18 18" Gullwing Luminaire

CONFIGURATION

1	Single Assembly	3@120	Triple at 120° <i>Not available with PTF Option.</i>
2	Twin Assembly	4	Quad Assembly
2@90	Twin Assembly at 90°	W	Wall Mount, Recessed J-Box
3	Triple at 90°	WS	Wall Mount, Surface Conduit

DISTRIBUTION

1 Type I, Horizontal Lamp (*N/A above 400w*)
2XL Type II, Horizontal Lamp
3XL Type III, Horizontal Lamp
4XL Type IV, Horizontal Lamp
Q Type V, Horizontal Lamp (*N/A above 400w*)
MTS Medium Throw with Solite Lens (Fluorescent only)

WATTAGE

100MH³	250PSMH⁴	150HPS	<i>MTS Optics Only</i>
150MH³	320PSMH^{1,5}	250HPS	(2)60CF^{10,11}
175MH	350PSMH¹	400HPS	(2)85CF^{10,11}
250MH	400PSMH^{1,6}	600HPS	(2)120CF^{10,11}
400MH¹	750PSMH^{2,7}	750HPS²	
1000MH^{2,8}	875PSMH²		
	1000PSMH^{2,9}		

10. G18 fluorescent ballasts accept 120V through 277V. Specify "UNIV" for voltage. Starting temperature is -22° F / -30° C.
 11. Not available 347V or 480V.

VOLTAGE

120 UNIV¹⁰
208
240
277
347
480

1. Requires E28/BT28 lamp.
 2. Furnished with sag glass lens only.
 3. Venture mogul base lamps required.
 4. M138 or M153.
 5. M132 or M154.
 6. M135 or M155.
 7. M149 only. Requires MS750/PS/BU-HOR/BT37 lamp.

Notes 8 and 9:

For 1000 Metal Halide, use:

Brand	Product Code	Catalog Number
Venture	53702	MS1000W/HOR/BT37/3K
G.E.	18205	MVR1000/U/BT37
Venture	15332	MH1000W/U/BT37

For 1000 Pulse Start, use:

Brand	Product Code	Catalog Number
G.E.	10389	MVR1000/U/BT37/PA
Venture	49111	MS1000W/HOR/T25/PS

WARNING: Use of other lamps voids warranty

FINISH

BRP Bronze Paint
BLP Black Paint
WP White Paint
NP Natural Aluminum Paint
OC Optional Color Paint
Specify RAL designation as shown ex: OC-RAL7024.
SC Special Color Paint
Specify. Must supply color chip.

OPTIONS

F Fusing *In Head*
N/A with 750w and 1000w.

LF In-Line/In-Pole Fusing
PC Photocontrol and Receptacle
N/A with 480V.

PCR Photocontrol Receptacle only
POLY Polycarbonate Sag Lens (*250w max.*)
HS Internal Houseside Shield
QS Quartz Standby (*400w max.*)
QST Quartz Standby-Timed Delay (*400w max.*)
SG Sag Glass Lens *In lieu of flat glass.*
Supplied standard with 750w and 1000w.

RPA1 3" Round Pole Adapter
Required for 3" OD round or tapered round poles where top OD is less than 4".

RPA2 4" and 5" Round Pole Adapter
Required for 4"-5" OD round poles.

PTF2* Pole Top Fitter - 2 3/8" - 3" Dia. Tenon

PTF3* Pole Top Fitter - 3" - 3 1/2" Dia. Tenon
PTF4* Pole Top Fitter - 3 1/2" - 4" Dia. Tenon
** PTF n/a with 120° mounting configurations.*

SQPTF Square Pole Top Fitter
TR1** Single Transition
TR2** Twin Transition
***Mounts to a 2-3/8" Top Tenon. Specify a pole with 4.50" OD for a smooth transition.*

MF Mast Arm Fitter
Slips over a standard 2-3/8" davit arm.

Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. The Gullwing design is protected by U.S. patent number DES.391.659. The XL optical system is protected by U.S. patent number 5690422.

© Copyright Gardco Lighting 2001-2007. All Rights Reserved. International Copyright Secured.

Genlyte Group

Gardco Lighting
 1611 Clovis Barker Road,
 San Marcos, TX 78666

(800) 227-0758
 (512) 753-1000
 FAX: (512) 753-7855
www.sitelighting.com



79115-85/0507

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 diecast 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 ft²/1.1 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 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.

Fluorescent luminaires use a Medium Throw reflector with a Solite® glass lens (MTS).

ELECTRICAL: All electrical components are UL recognized, factory tested, and mounted on a unitized plate with quick electrical disconnects. Each high power factor ballast is the separate component type capable of providing reliable lamp starting down to -20°F / -29°C. Standard fluorescent ballasts are solid state.

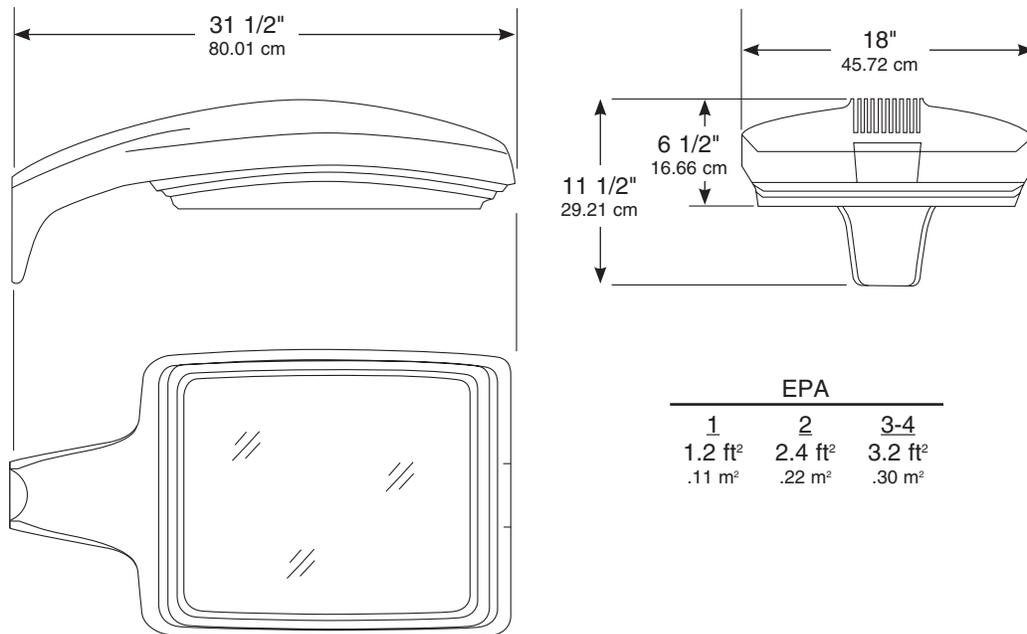
FINISH: Each standard color luminaire receives a fade and abrasion resistant, electrostatically applied, thermally cured, triglycidal isocyanurate (TGIC) textured polyester powdercoat finish. Standard colors include bronze (BRP), black (BLP), white (WP), and natural aluminum (NP). Consult factory for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

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

FULL CUTOFF PERFORMANCE: Full cutoff performance means a luminaire distribution where zero candela intensity occurs at an angle of 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.

DIMENSIONS



Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program. The Gullwing design is protected by U.S. patent number DES.391.659. The XL optical system is protected by U.S. patent number 5690422.

© Copyright Gardco Lighting 2001-2007. All Rights Reserved. International Copyright Secured.

Genlyte Group

Gardco Lighting
1611 Clovis Barker Road,
San Marcos, TX 78666

(800) 227-0758
(512) 753-1000
FAX: (512) 753-7855
www.sitelighting.com



79115-85/0507