

GULLWING - 18"

ENGINEERING DIVISION		
PUBLIC WORKS DEPARTMENT		
City of Overland Park, Kansas		
Date	4-26-07	
Reviewed By	CRB	
<input type="checkbox"/> APPROVED	<input checked="" type="checkbox"/> APPROVED AS NOTED	<input type="checkbox"/> REJECTED

SPECIFICATIONS

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 generates wind loading requirements of only 1.2 EPA in a 1-way configuration.

LENS ASSEMBLY: A single-piece die cast 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 or sag glass lens is mechanically secured with eight (8) 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), 2 (2XL), 3 (3XL), 4 (4XL), and 5 (Q). With the 2XL, 3XL and 4XL luminaries, 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.

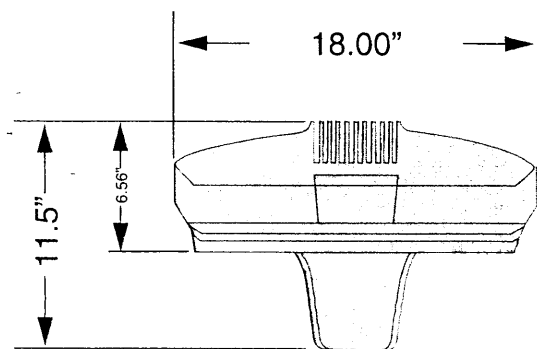
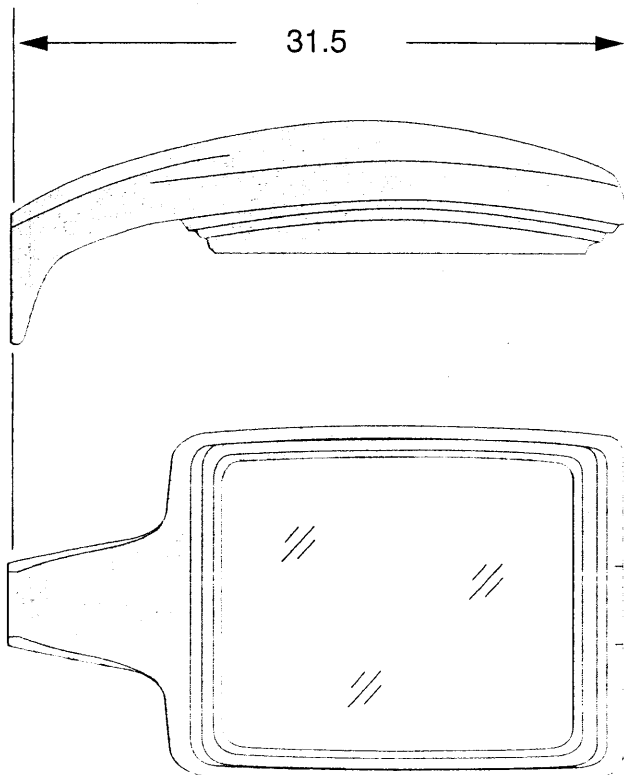
The mogul based lampholder is glazed porcelain with a nickel plated screw shell. Position oriented sockets to accept super metal halide lamps are supplied standard.

All units feature lamp stabilizers except 150 HPS.

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).

FINISH: Luminaires are finished with a fade and abrasion resistant, electrostatically applied, thermally cured TGIC powder coat. Units are thoroughly cleaned and provided with a patented pre-treatment.

DIMENSIONS & MOUNTING DETAILS



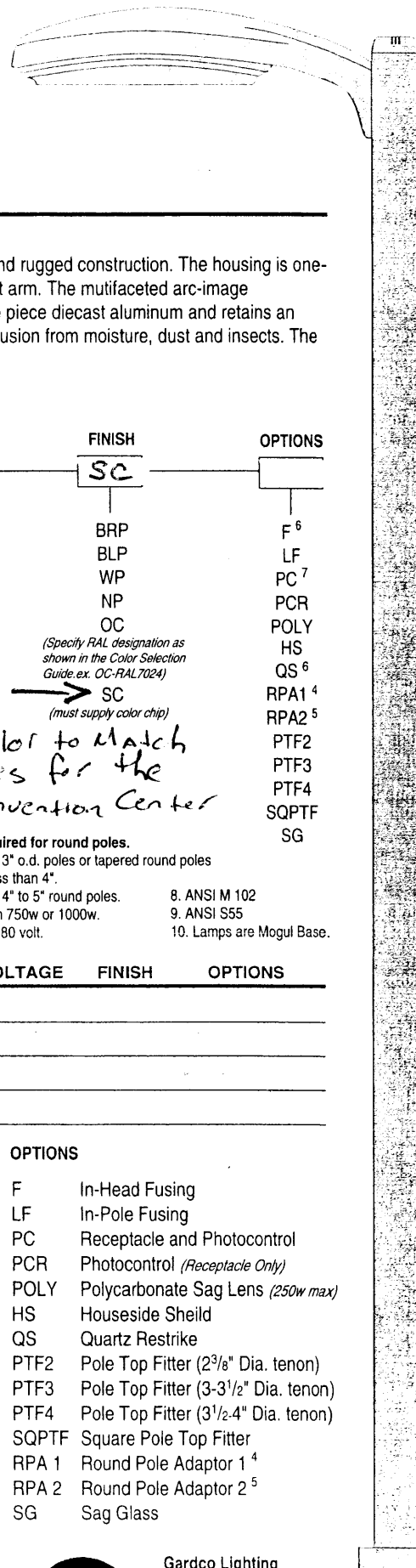
CONFIGURATION	EPA (SQ.FT.)
1-WAY	1.2
2-WAY	2.4
3-WAY	3.2
4-WAY	3.2

Gardco Lighting reserves the right to change materials or modify the design of its products without notification as part of the company's continuing product improvement program. Gardco's segmented reflector optical system has been awarded U.S. Patent #3746854. Form XL optical system has been awarded U.S. patent #580422. The Gullwing design is protected by U.S. Patent #DES. 391.659.



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Genlyte Thomas Group LLC



GULLWING G18

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 1, 2, 3, 4 and 5 distributions. The door frame is single piece diecast aluminum and retains an optically clear tempered glass lens. The luminaire is completely sealed and gasketed preventing intrusion from moisture, dust and insects. The Gullwing luminaires is finished with a fade and abrasion resistant TGIC powdercoat.

ORDERING

PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE/LAMP ¹⁰	VOLTAGE	FINISH	OPTIONS
G18	1	2XL	400MH	240	SC	
G18	1 <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> 2 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 3 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 4 <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> W <input type="checkbox"/> WS <input type="checkbox"/>	1 ¹ 2XL ✓ 3XL 4XL Q ¹	150HPS ⁹ 250HPS 400HPS 600HPS 750HPS ² 100MH ³ 150MH ^{3,8} 175MH 250MH 400MH ✓ 750MH ² 1000MH ²	120 208 240 ✓ 277 347 480	BRP BLP WP NP OC SC (Specify RAL designation as shown in the Color Selection Guide. ex. OC-RAL7024)	F ⁶ LF PC ⁷ PCR POLY HS QS ⁶ RPA1 ⁴ RPA2 ⁵ PTF2 PTF3 PTF4 SQPTF SG

1. Types 1 and Q are not available above 400w.
 2. Furnished with sag glass lens only.
 3. Venture Mogul base lamps required.
NOTE: 400MH requires ED-28 or BT28 reduced jacket lamp. 750MH and 1000MH require BT37 reduced jacket lamp.
NOTE: RPA is required for round poles.
 4. RPA1 is used for 3" o.d. poles or tapered round poles where top o.d. is less than 4".
 5. RPA2 is used for 4" to 5" round poles.
 6. Not available with 750w or 1000w.
 7. Not available in 480 volt.
 8. ANSI M 102
 9. ANSI S55
 10. Lamps are Mogul Base.

Color to Match Poles for the CP Convention Center
 → SC (must supply color chip)

TYPE	PREFIX	CONFIGURATION	REFLECTOR	WATTAGE	VOLTAGE	FINISH	OPTIONS

CONFIGURATION	DISTRIBUTION	FINISH	OPTIONS
1 Single Fixture Assembly	1 Type 1 Horizontal Lamp	BRP Bronze paint	F In-Head Fusing
2 Twin @ 90 or 180 Degrees	2XL Type 2 Horizontal Lamp	BLP Black paint	LF In-Pole Fusing
3 Triple Assembly	3XL Type 3 Horizontal Lamp	WP White paint	PC Receptacle and Photocontrol
4 Quad Assembly	4XL Type 4 Horizontal Lamp	NP Natural paint	PCR Photocontrol (Receptacle Only)
W Wall Mount, Recessed J-Box	Q Type 5 Horizontal Lamp	OC Optional Color Paint <i>(Specify RAL designation as shown in the Color Selection Guide. ex. OC-RAL7024)</i>	POLY Polycarbonate Sag Lens (250w max)
WS Wall Mount, Surface Conduit <i>(splice compartment within luminaire)</i>		SC Special Color <i>(must supply color chip)</i>	HS Houseside Sheild
			QS Quartz Restrike
			PTF2 Pole Top Fitter (2 ³ / ₈ " Dia. tenon)
			PTF3 Pole Top Fitter (3-3 ¹ / ₂ " Dia. tenon)
			PTF4 Pole Top Fitter (3 ¹ / ₂ 4" Dia. tenon)
			SQPTF Square Pole Top Fitter
			RPA 1 Round Pole Adaptor 1 ⁴
			RPA 2 Round Pole Adaptor 2 ⁵
			SG Sag Glass