GULLWING™

AREA LIGHTING FEATURING MASTERCOLOR® ELITE AND COSMOPOLIS™

PHILIPS

GARDCO

SCONCE

THIRTEEN

EIGHTEEN

FORM

FUNCTION

PERFORMANCE

Finish shown is Natural Paint (NP)

Finish shown is Bronze Paint (BRP)

An inspiration born of classic forms and over forty years of practical experience, Gullwing™ is equal parts architecture, engineering and performance. With sleek contours to complement any architectural environment, Gullwing™ stylishly illuminates pedestrian walkways, access areas and large sites with equal ease thanks to Gardco Form Ten XL optics and a wide range of lamps to 1000 watts. For the first time, Gullwing™ can now be specified with the revolutionary CosmoPolis™ and MasterColor® Elite white light systems, which use up to 50% less energy than traditional outdoor lighting systems while providing bright, attractive illumination. In these thirteen- and eighteen-inch luminaires and their companion sconce, the lines between form, function and performance are indistinguishable, ensuring that Gullwing™ remains the proven shape of high-performance, energy-efficient lighting.

FORM

Aesthetically, the Gardco Gullwing™ draws strength from simplicity of form that makes it a natural complement to any architectural vocabulary. The subtle elimination of the mounting arm allows Gullwing™ an uninterrupted transition from luminaire to pole. The striking effect is that the luminaire and arm become one. But this design serves practical purposes as well – minimizing wind load and strengthening the assembly.

The Gullwing™ 107 sconce adds considerable versatility to the series application as forward, wide and medium throw optics to 175 watts are available. Of course, like all Gardco performance optics, illumination is glare-free with full cutoff.

FUNCTION

Gullwing™ is a model of efficiency – an elegant response to the inherent obstacles of heat, wind, weather and budgets. The profile is the sleekest of any performance luminaire available – just 4 3/4" and 6 1/2" at mid-section for the G13 and G18, respectively. The arrangement of components, hardware, hinging mechanisms and material transitions all speak to the integrity of the design and construction. Every aspect of this luminaire exhibits a thoughtful, practical and highly refined approach to initial and long-term performance.

Separate Component Compartments
Separate ballast and lamp compartments serve to reduce the effects of temperature extremes, maximizing component life.

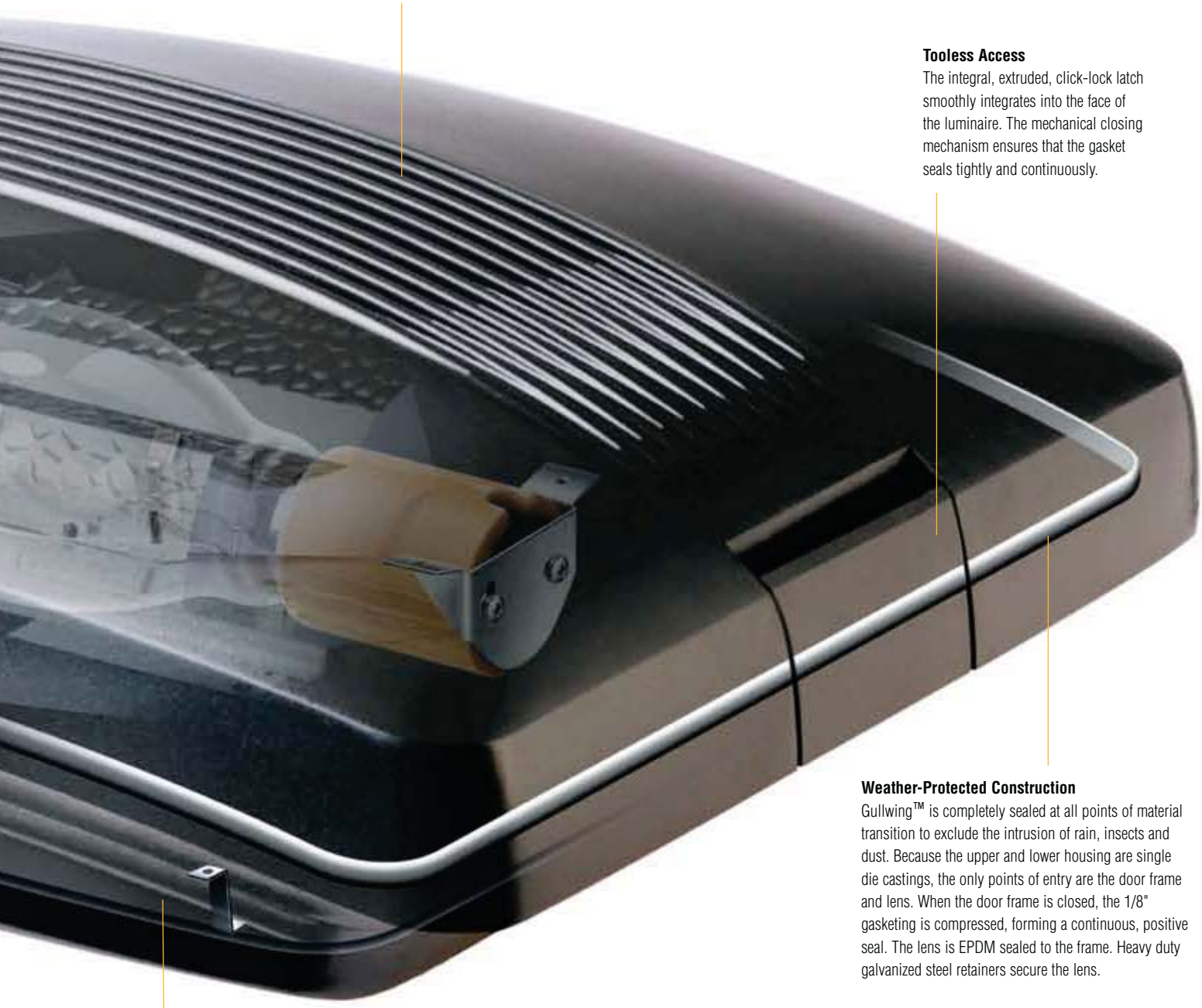
Seamless Transitions, Concealed Hardware
Scale and proportion are correct and satisfying from every viewing angle. Surfaces are sculptural, natural and refined. There are no visible transitions between the luminaire door frame and the supporting arm. There is no visible hardware.

Zero Trespass
Gardco offers a wide range of backlight control options for those specifiers looking to eliminate trespass from their perimeter luminaires. For both retrofitting existing sites and for new construction, the backlight control option goes far beyond conventional house side shielding – cutoff is razor sharp and absolute, leaving your neighbors in the dark.

Wind-Cheating Aerodynamics
Gullwing's™ slippery silhouette yields an exceptionally low coefficient of drag and correspondingly low EPA values (G18 EPA 1.2 [including 1000 watt MH] G13 EPA 0.8). The immediate benefit is the ability to reduce pole gauge and diameter. Because poles are such a significant portion of total project cost, savings can be substantial.

Lower Operating Temperatures
Gullwing™ harnesses the wind across fins that are cast into the top of the luminaire. This design acts as a heat sink to cool the lamp and ballast compartments. The combination of large surface area and the heat sink effectively lowers operating temperatures within the luminaire, further extending ballast and lamp life.

Tooless Access
The integral, extruded, click-lock latch smoothly integrates into the face of the luminaire. The mechanical closing mechanism ensures that the gasket seals tightly and continuously.



Weather-Protected Construction
Gullwing™ is completely sealed at all points of material transition to exclude the intrusion of rain, insects and dust. Because the upper and lower housing are single die castings, the only points of entry are the door frame and lens. When the door frame is closed, the 1/8" gasketing is compressed, forming a continuous, positive seal. The lens is EPDM sealed to the frame. Heavy duty galvanized steel retainers secure the lens.

Long-Lasting Finishes
The finish is a fade- and abrasion-resistant, electrostatically applied, thermally cured TGIC powdercoat. Gullwing™ housings are thoroughly cleaned and chromate acid-treated prior to paint application. Standard colors feature the lightly textured Gardco finish. Custom colors may vary in texture, so please consult factory.

Up to 50% Less Energy
Gullwing™ is now available with the CosmoPolis™ and MasterColor® Elite energy-efficient ceramic metal halide white light systems, which reduce environmental impact while providing bright, attractive illumination and substantial cost savings. Featuring efficient lamps and ballasts that reduce greenhouse gas emissions, both systems are compact in size and produce highly visible white light while using up to 50% less energy than traditional lamp sources.

SERVICE

Tooless access for installation and service is a Gardco trademark. Gullwing™ improves on the tradition with a quick entry door handle that provides complete access to the luminaire's optical, electrical and mounting hardware systems. The latch firmly engages as the door is closed, creating a weather-tight seal by compressing the perimeter gasketing.

For safety and ease of relamping, a heavy gauge lanyard on the G18 and G13 secures the door frame in a semi-open position. A quick release is provided to allow the door to swing down, so that the optical assembly can be lowered.

All Gullwing™ luminaires feature factory pre-wired electrical components with quick disconnect plugs. The ballast assembly is a unitized, pre-wired component, which hinges on stainless steel mounting brackets. It is removable without tools.

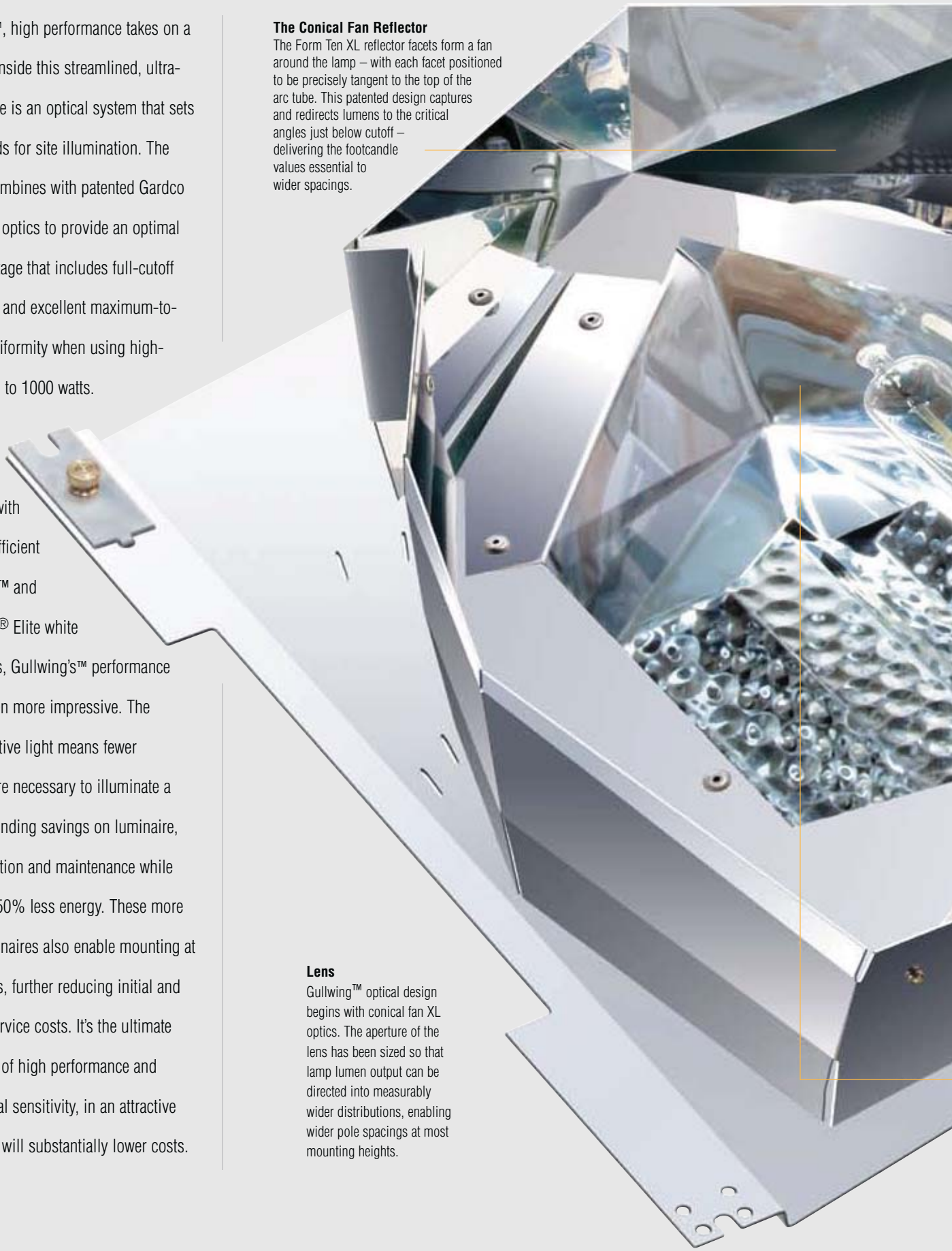
The G18 is pictured at left, G13 above.

PERFORMANCE

In Gullwing™, high performance takes on a new shape. Inside this streamlined, ultra-thin luminaire is an optical system that sets new standards for site illumination. The large lens combines with patented Gardco conical "XL" optics to provide an optimal lighting package that includes full-cutoff glare control and excellent maximum-to-minimum uniformity when using high-lumen lamps to 1000 watts.

When used with the energy-efficient CosmoPolis™ and MasterColor® Elite white light systems, Gullwing's™ performance becomes even more impressive. The bright, attractive light means fewer luminaires are necessary to illuminate a site, compounding savings on luminaire, pole, installation and maintenance while using up to 50% less energy. These more efficient luminaires also enable mounting at lower heights, further reducing initial and long-term service costs. It's the ultimate combination of high performance and environmental sensitivity, in an attractive package that will substantially lower costs.

The Conical Fan Reflector
The Form Ten XL reflector facets form a fan around the lamp – with each facet positioned to be precisely tangent to the top of the arc tube. This patented design captures and redirects lumens to the critical angles just below cutoff – delivering the footcandle values essential to wider spacings.

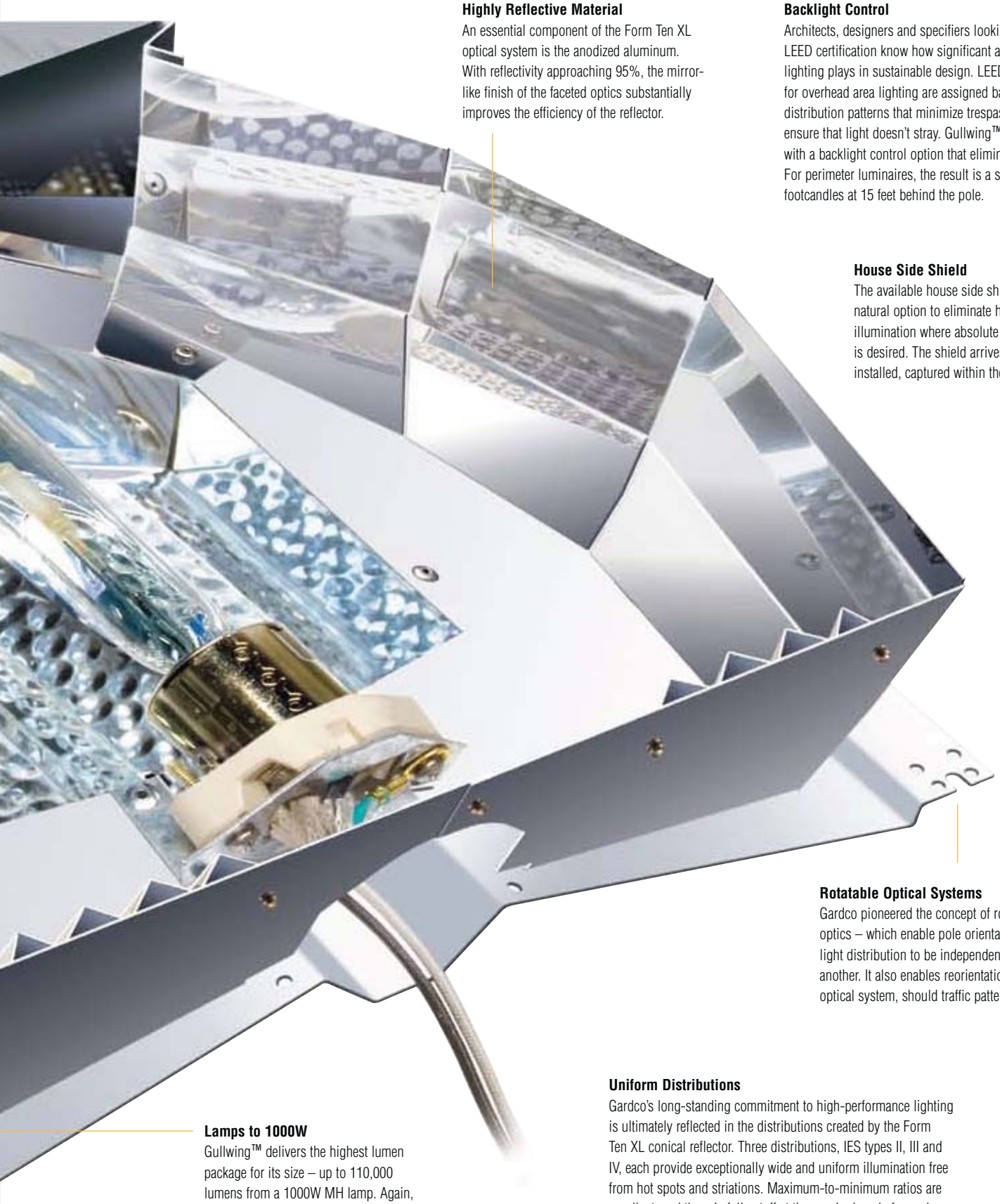


Lens
Gullwing™ optical design begins with conical fan XL optics. The aperture of the lens has been sized so that lamp lumen output can be directed into measurably wider distributions, enabling wider pole spacings at most mounting heights.

Highly Reflective Material
An essential component of the Form Ten XL optical system is the anodized aluminum. With reflectivity approaching 95%, the mirror-like finish of the faceted optics substantially improves the efficiency of the reflector.

Backlight Control
Architects, designers and specifiers looking to achieve LEED certification know how significant a role site lighting plays in sustainable design. LEED credits for overhead area lighting are assigned based on distribution patterns that minimize trespass and help ensure that light doesn't stray. Gullwing™ is available with a backlight control option that eliminates trespass. For perimeter luminaires, the result is a striking 0.1 footcandles at 15 feet behind the pole.

House Side Shield
The available house side shield is a natural option to eliminate house side illumination where absolute cutoff is desired. The shield arrives factory installed, captured within the door frame.

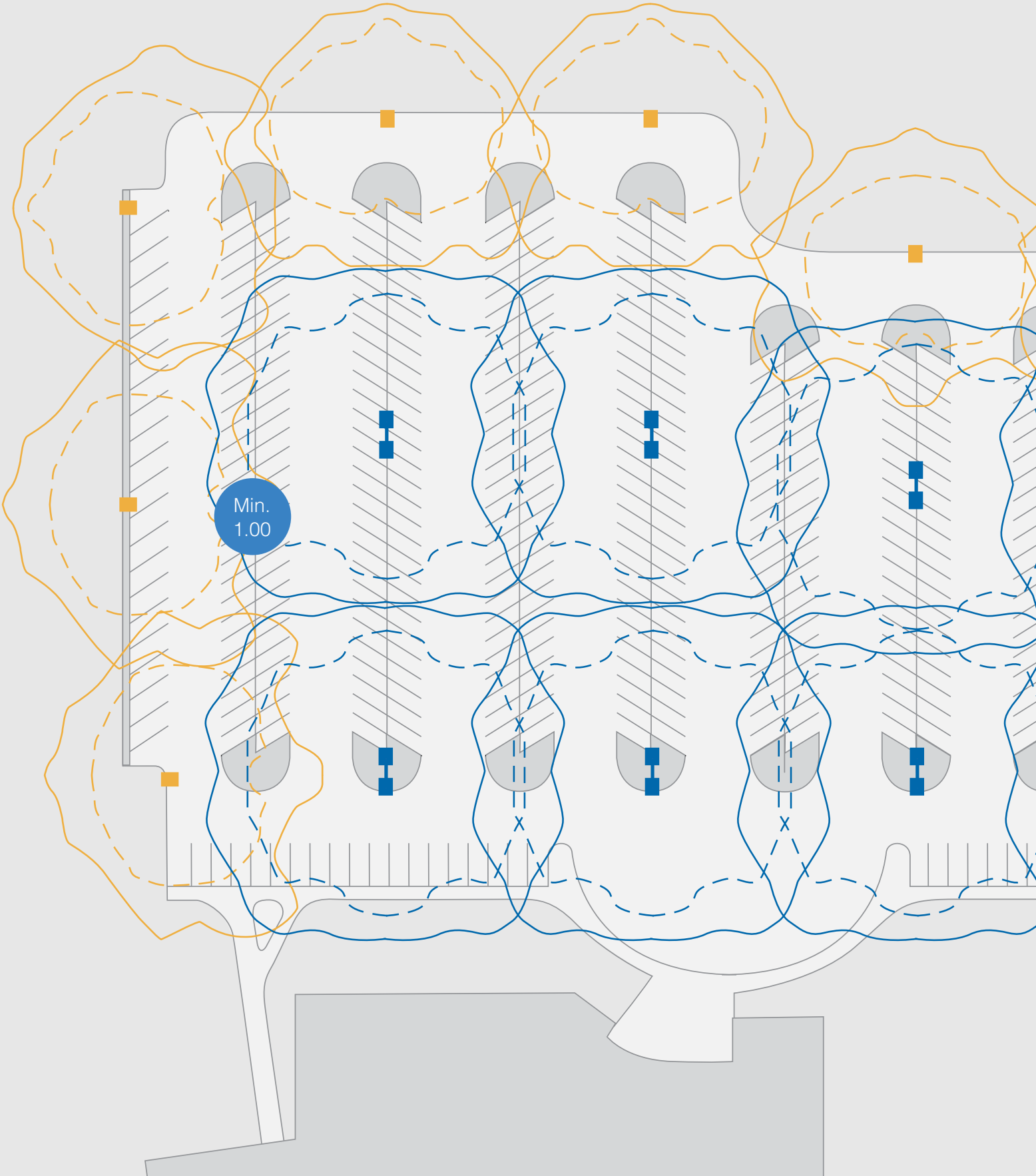


Rotatable Optical Systems
Gardco pioneered the concept of rotatable optics – which enable pole orientation and light distribution to be independent of one another. It also enables reorientation of the optical system, should traffic patterns change.

Lamps to 1000W
Gullwing™ delivers the highest lumen package for its size – up to 110,000 lumens from a 1000W MH lamp. Again, the result is better performance, wider spacings and lower overall project cost.

Uniform Distributions
Gardco's long-standing commitment to high-performance lighting is ultimately reflected in the distributions created by the Form Ten XL conical reflector. Three distributions, IES types II, III and IV, each provide exceptionally wide and uniform illumination free from hot spots and striations. Maximum-to-minimum ratios are excellent, and there is full cutoff at the required angle for each distribution. Gullwing™ G18 also includes Types I and V (Q) optics in the original Form Ten reflector design.

PERFORMANCE



SITE SPECIFICS

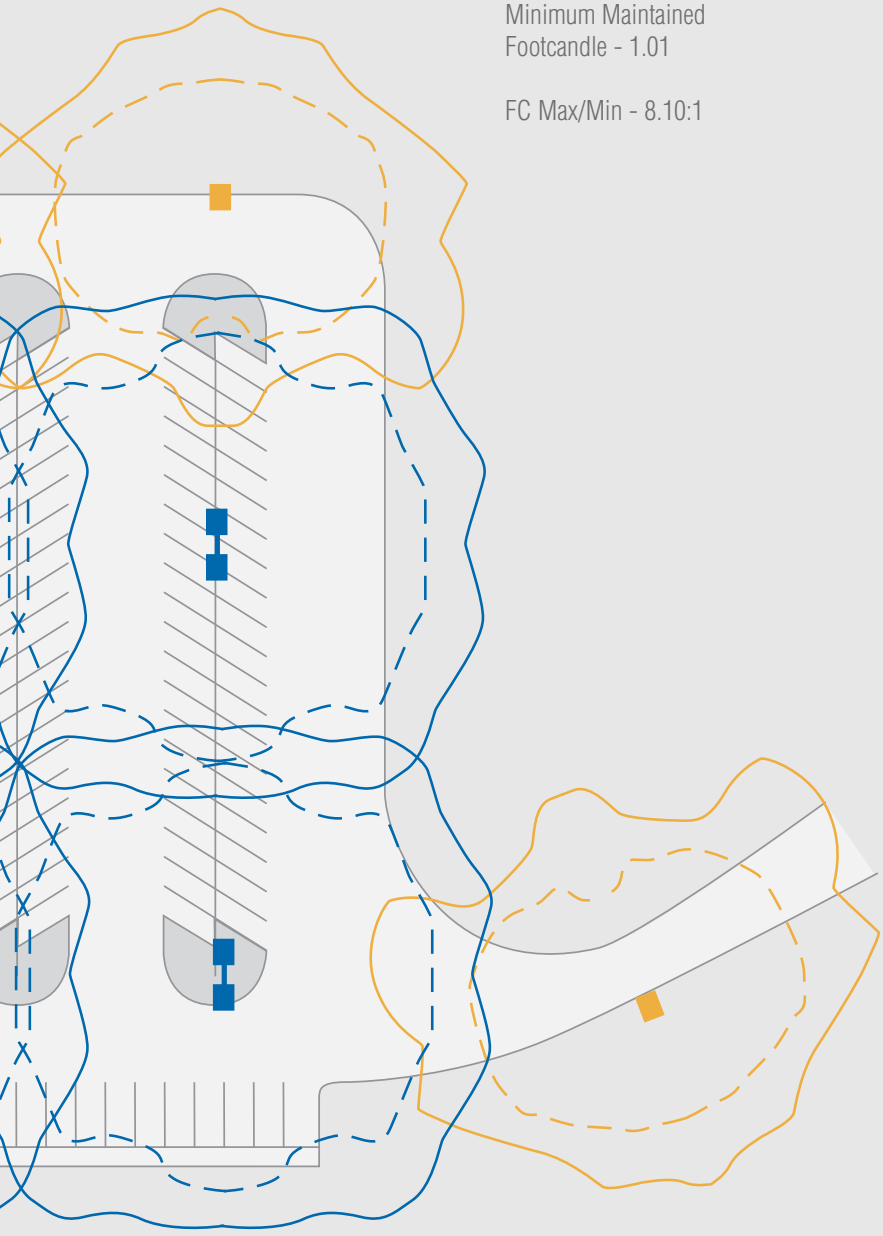
Optical Systems - 4XL, 3XL
(house side shield where required)

Lamp - 315 MasterColor® Elite

Mounting Height - 30'

Minimum Maintained
Footcandle - 1.01

FC Max/Min - 8.10:1



The Gullwing™ luminaire, equipped with MasterColor® Elite lamps creates a highly optimized illumination system that maximizes visibility, efficiency, initial cost and long term energy management.

The inherent efficiency of the MasterColor® Elite lamp and XL Optics means that fewer luminaires are needed to meet footcandle requirements, resulting in substantial savings in poles, luminaires and installation. In the long term, this system uses up to 50% less energy than traditional outdoor lighting systems. At 315W and providing 37,800 lumens, the MasterColor® Elite lamp is both highly efficient and long lasting, with a 90% survival rate at 12,000 hours and an average life of 20,000 hours.

Closer inspection of the lighting plan at left illustrates how MasterColor® Elite lamps deliver uniform illumination free from hot spots and striations – even with very wide pole spacing. Maximum pavement illumination as illustrated is 8.18, yielding a maximum to minimum ratio of 8.10:1. Although a number of Gullwing™ XL optical systems are available to customize a site, this installation is illuminated using just two. In the center of the parking area, 4XL optical systems are mounted back-to-back in twin luminaires creating an efficient square distribution. Type 3XL optics at the edge of roadways provide full cut-off to minimize light trespass at the perimeter.

Gardco's Applications Engineering Department stands ready to assist with your site lighting analysis and development, and a comprehensive Gullwing™ Applications Guide and photometric data is available online at sitelighting.com.

TRANSITIONS

Gardco Lighting is pleased to offer three highly tooled, die cast transitional mounting components. These transitions are available for both the pedestrian scale G13 and the larger, high performance G18. The Single Transition is designed to unify the luminaire to the pole. This adds a touch of class, especially when used with lower mounting heights. By utilizing the Twin Transition, you can see how the Gullwing™ earned its name. When mounted back to back, the graceful lines add a sleek, finished look to the traditonal pole mounted luminaire. The high performance optics of the Gullwing™ make it a natural for use on streets and roadways. The new Gullwing™ Mast Arm Transition makes retrofit to existing mast arms simple and practical, while providing cutoff performance with architectural style.

G13 ORDERING

Including G13 with CosmoPolis™

	PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
Example	G13	1	2XL	100MH	208	BRP	F

PREFIX

G13
Standard Luminaire
G13EMC
Emergency Cold Temperature

Available with (2) 32TRF lamps and MTS optics only. (1) 32TRF lamp operates in emergency mode.

CONFIGURATION

1
2
2@90
3
3@120
4
W
WS

DISTRIBUTION

2XL
3XL
4XL

MTS

WATTAGE

Refer to configuration chart below for available combinations.

FINISH

BRP
BLP
WP
NP
OC
SC

OPTIONS

F
LF
PC
PCR
POLY
HS
QS
QST
Q924
QT924
PTF2
PTF3
PTF4
SPA
TR1
TR2
MF

LAMP / VOLTAGE CHART – G13

HID		Voltage					
		120	208	240	277	347	480
CosmoPolis™ Electronic System.	60CMPE	•	200 - 277V				
	90CMPE	•	200 - 277V				
	140CMPE	•	200 - 277V				
Pulse Start Metal Halide Magnetic Ballast	50MH	•			•		
	70MH	•	•	•	•	•	
	100MH	•	•	•	•	•	•
	150MH	•	•	•	•	•	
Standard Metal Halide*	175MH*	•	•	•	•	•	•
	* 175 MH not available for sale in the United States.						
Pulse Start Metal Halide Electronic Ballast	70CMHE[1]	UNIV[1]					
	100CMHE[1]	UNIV[1]					
	150CMHE[1] Ⓔ	UNIV[1]					
High Pressure Sodium Magnetic Ballast	50HPS	•			•		
	70HPS	•	•	•	•	•	•
	100HPS	•	•	•	•	•	•
	150HPS	•	•	•	•	•	
Low Pressure Sodium	18LPS	•	•	•	•		

Combinations marked with a dot or shown with "UNIV" or "200-277V" are available for ordering

LAMP / VOLTAGE CHART – G13

Fluorescent (MTS Optics Only)	Voltage					
	120	208	240	277	347	480
(2)60CF[1,2]	UNIV[1]					
(3)32TRF[1,3]	UNIV[1]				•	
(3)42TRF[1,3]	UNIV[1]				•	

LAMP / VOLTAGE CHART – G13EMC[4]

Fluorescent (MTS Optics Only)	Voltage					
	120	208	240	277	347	480
(2)32TRF[3,4,5]	•			•		

CF Compact Fluorescent *TRF Triple Tube Fluorescent*

1. *Fluorescent and CMHE ballasts accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" for 120V through 277V.*
2. *Lamp starting temperature is -22° F / -30° C.*
3. *Lamp starting temperature is 0° F / -18° C .*
4. *For emergency mode lumen output see submittal data sheet 79115-155 - "Gardco Emergency Light Output Information."*
5. *(1) lamp operates in emergency mode.*
6. *100w Quartz lamp max, Not available with Fluorescent, EMC, CMHE or CMPE types.*
7. *Mounts to a 2-3/8" top tenon. Specify a pole with 3.00" top OD for a smooth transition.*
8. *Polycarbonate lenses carry 1 year warranty only.*
9. *Not available in 480V. Provide specific input voltage.*

Ⓔ Wattages marked with meet federal energy efficiency standards applicable to 150 watt through 500 watt metal halide luminaires only.

OPTIONS

F Fusing *(In Head.)*
LF In-Line/In-Pole Fusing
PC[6] Photocontrol and Receptacle
PCR Photocontrol Receptacle only
POLY[8] Polycarbonate Sag Lens
(100w HID maximum.)
HS Internal House Side Shield
QS[6] Quartz Standby
QST[6] Quartz Standby - Timed Delay
Q924[6] Quartz Emergency
QT924[6] Quartz Emergency - Timed Delay
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
SPA Square Pole Adaptor
(Required for straight square poles.)
TR1[7] Single Transition
TR2[7] Twin Transition
MF Mast Arm Fitter *(Requires a 2-3/8" davit arm.)*

CONFIGURATION

1 Single Assembly
2 Twin Assembly
2@90 Twin Assembly @90°
3 Triple Assembly
3@120 Triple Assembly @120°
4 Quad Assembly
W Wall Mount, Recessed J-Box
WS Wall Mount, Surface Conduit

DISTRIBUTION

2XL Type II, Horizontal Lamp
3XL Type III, Horizontal Lamp
4XL Type IV, Horizontal Lamp
MTS Medium Throw with Solite® Lens
Fluorescent lamps only.

FINISH

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

Prior to ordering, consult Submittal Data Sheet on sitelighting.com for the most current information, notes and exclusions.

G18 ORDERING

Including G18 with CosmoPolis™ and MasterColor® Elite

	PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
Example	G18	1	4XL	400MH	277	BRP	F

PREFIX
G18
18" Gullwing™ Luminaire

MOUNTING
1
2
2@90
3
3 @120
4
W
WS

DISTRIBUTION
1
2XL
3XL
4XL
BLC
Q
MTS

Refer to configuration chart below.

VOLTAGE
120
208
240
277
347
480
UNIV[7]
200-277
CMPE, MCE, and PSE types only.

FINISH
BRP
BLP
WP
NP
OC
SC

OPTIONS
F
LF
PC
PCR
POLY
HS
QS
QST
Q924
QT924
SG
RPA1
RPA2
PTF2
PTF3
PTF4
SQPTF
TR1
TR2
MF
GDR

1. *Requires E28/BT28 lamp.*
2. *Furnished with sag glass lens only.*
3. *Mogul base lamp required.*
4. *UL Listed at 40°C ambient.*
5. *MCE, PSE available 200-277V only. CMPE available 120V or 200-277V only.*
6. *See 1000 watt lamp tables.*
7. *G18 fluorescent ballasts accept 120V through 277V. Specify "UNIV" for voltage. Starting temperature is -22° F / -30° C.*
8. *MTS Optic only. Not available in 347V or 480V.*
9. *Not available above 400W.*
10. *Not available in 480V. Provide Specific input voltage.*
11. *250W maximum. Polycarbonate lenses carry 1 year warranty only.*
12. *See QS / Q924 Table.*
13. *In lieu of flat glass. Supplied standard and required with 750W and higher wattages.*
14. *Required for 3" O.D. round or tapered round poles where top O.D. is less than 4".*
15. *Required for 4"-5" O.D. round poles.*
16. *Not available with 120° mounting configurations.*
17. *Mounts to a 2-3/8" Top Tenon. Specify a pole with a 4.50" O.D. for a smooth transition.*
18. *Mounts to a 2-3/8" O.D. mast arm.*
19. *Available only with 175PSMH through 400PSMH and 150HPS through 400HPS wattages. Includes dual-level capacitor and wiring to connect to Gardco Demand Response System.*

Pulse Start MH Magnetic Ballast	**100MH**[3]	**250PSMH** Ⓔ	**400PSMH**[1] Ⓔ	**1000PSMH**[2,6]
	150MH[3]	**320PSMH**[1] Ⓔ	**750PSMH**[2]	
	175PSMH Ⓔ	**350PSMH**[1] Ⓔ	**875PSMH**[2]	
Standard MH Magnetic Ballast	**175MH***	**250MH***	**400MH*** [1]	**1000MH**[2,6]
CosmoPolis™ Electronic System	**60CMPE**[4,5,12]	**90CMPE**[5,12]	**140CMPE**[5,12]	
MasterColor® Elite Electronic System	**210MCE**[4,5,12] Ⓔ	**315MCE**[4,5,12] Ⓔ		
Pulse Start MH Electronic Ballast	**150PSE**[4,5,12] Ⓔ	**175PSE**[1,4,5,12] Ⓔ	**250PSE**[4,5,12] Ⓔ	**320PSE**[1,4,5,12] Ⓔ
High Pressure Sodium Magnetic Ballast	**70HPS**	**150HPS**	**400HPS**	**750HPS**[2]
	100HPS	**250HPS**	**600HPS**	
Compact Fluorescent Electronic Ballast	**(2)60CF**[7,8]	**(2)85CF**[7,8]	**(2)120CF**[7,8]	
Low Pressure Sodium Magnetic Ballast	**35LPS**			

** 175MH, 250MH and 400MH not available for sale in the United States.*

Ⓔ Wattages marked with meet federal energy efficiency standards applicable to 150 watt through 500 watt metal halide luminaires only.

MOUNTING

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

FINISH

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

DISTRIBUTION

1	Type I, Horizontal Lamp *(Not available above 400w.)*
2XL	Type II, Horizontal Lamp
3XL	Type III, Horizontal Lamp
4XL	Type IV, Horizontal Lamp
BLC	Backlight Control *(Not available above 400w.)*
Q	Type V, Horizontal Lamp *(Not available above 400w.)*
MTS	Medium Throw with Solite Lens *(Fluorescent only.)*

(Note 6: 1000 Watt Lamp Tables.)

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 METAL HALIDE, 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.

OPTIONS

F[9]	Fusing *In Head.*
LF	In-Line/In-Pole Fusing
PC[10]	Photocontrol and Receptacle
PCR	Photocontrol Receptacle only
POLY[11]	Polycarbonate Sag Lens
HS	Internal Houseside Shield
QS[12]	Quartz Standby
QST[12]	Quartz Standby-Timed Delay
Q924[12]	Quartz Emergency
QT924[12]	Quartz Emergency-Timed Delay
SG[13]	Sag Glass Lens
RPA1[14]	3" Round Pole Adapter
RPA2[15]	4" and 5" Round Pole Adapter
PTF2[16]	Pole Top Fitter - 2 3/8" - 3" Dia. Tenon
PTF3[16]	Pole Top Fitter - 3" - 3 1/2" Dia. Tenon
PTF4[16]	Pole Top Fitter - 3 1/2" - 4" Dia. Tenon
SQPTF	Square Pole Top Fitter
TR1[17]	Single Transition
TR2[17]	Twin Transition
MF[18]	Mast Arm Fitter
GDR[19]	Provision for Gardco Demand Response

(Note 12) QS / Q924 Table	
HID Lamp Watts	Maximum Quartz Lamp Watts
175 watts or less	100 watts
Above 175 watts	150 watts

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

Prior to ordering, consult Submittal Data Sheet on sitelighting.com for the most current information, notes and exclusions.

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 0.8 ft^2/0.07m^2 EPA for the G13 and 1.2 ft^2/0.11m^2 EPA for the G18.

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 glass lens is mechanically secured with six retainers (G13) or eight retainers (G18). Wattages above 750 in the G18 utilize a slightly convex lens. The electrical and optical chambers are thoroughly sealed with a one-piece memory retentive hollow core EPDM gasket to prevent intrusion by rain, 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.

HID luminaires utilize glazed porcelain lampholders with a nickel plated screw shell. The G13 uses medium base, while the G18 uses mogul base. Position-oriented sockets are supplied standard with the G18 HID units to accept super metal halide lamps. CosmoPolis™ and MasterColor® systems are provided with dedicated sockets.

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. For luminaires provided with CosmoPolis™, each high power factor ballast is electronic, designed specifically for the CosmoPolis™ high performance ceramic metal halide electronic system.

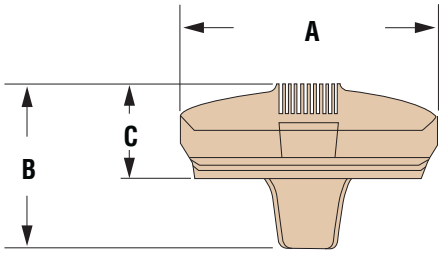
Luminaires provided with the CosmoPolis™ or MasterColor® Elite high performance ceramic metal halide electronic systems include high power factor electronic ballasts, designed specifically for the system selected.

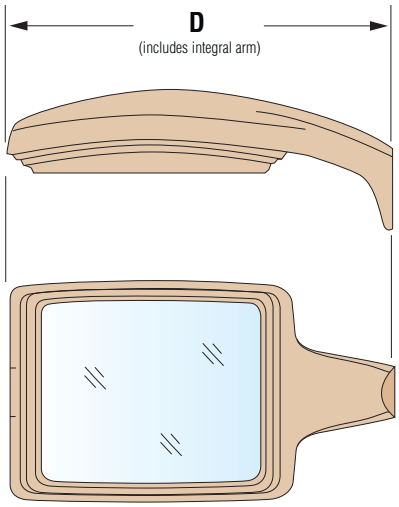
EMC LUMINAIRES: In the event of power interruption, the integral battery pack will power (1) 32W compact fluorescent lamp at reduced light levels for a minimum of 90 minutes. The maintenance free battery is rated for ambient temperatures down -4°F/-20°C. An indicator light is visible through the lens. A test switch is accessible through the door assembly. EMC units do not bear CUL label.

FINISH: Standard color luminaires are finished with a fade and abrasion resistant, electrostatically applied, thermally cured textured TGIC powdercoat. Consult factory for specs on optional or special colors.

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

DIMENSIONS





Size	A	B	C	D	EPAs Single Arm	EPAs Twin 180?	EPAs 3-4	Approx. Wt. Single Fixture
G13	13.5"	8.5"	4.75"	22.5"	0.8 ft^2	1.6 ft^2	2.2 ft^2	26 lbs
	34.16cm	21.54cm	12.14cm	57.25cm	.07 m^2	.15 m^2	.20 m^2	11.8 kgs
G18	18"	11.5"	6.5"	31.5"	1.2 ft^2	2.4 ft^2	3.2 ft^2	50 lbs
	45.72cm	29.21cm	16.66cm	80.01cm	.11 m^2	.22 m^2	.30 m^2	22.7 kgs

For wall-mounted applications, the design allows mounting to both a j-box and surface conduit. For surface conduit, the splice is made inside the wall canopy. Splice box volume is 50.5 (G18) and 26 (G13) cubic inches.

Gullwing™ is UL approved for through wiring.

Philips 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.

Prior to ordering, consult Submittal Data Sheet on sitelighting.com for the most current information, notes and exclusions.

107 SCONCE ORDERING

Including 107 with CosmoPolis™

	PREFIX	DISTRIBUTION	WATTAGE	VOLTAGE	PAINTED FINISH	OPTIONS
Example	107	FT	WT	120	BRP	F

PREFIX

107
Gullwing™ Sconce
107EM
Emergency Sconce
107EMC
Emergency Sconce, Cold Temperature
107EMR
Remote Emergency Sconce

DISTRIBUTION

FT
Forward Throw
N/A with Fluorescent lamps.
WT
Wide Throw
N/A with Fluorescent lamps.
MT
Medium Throw

Refer to configuration chart below for available combinations.

***60CMPE** 60 Watt CosmoPolis™ high performance electronic ceramic MH lamp and ballast system.*
Availalble in FT, WT and MT
Available 200V-277V only.

PAINTED FINISH

BRP *Bronze*
BLP *Black*
WP *White*
NP *Natural Aluminum*
BGP *Beige*
OC *Optional Color*
Specify RAL designation.
Ex: OC-RAL7024
SC *Special Color*
Must supply color chip.

OPTIONS

F **SL**
PCB **UT**
QS **WLU**
QST **WS**
Q924 **WS/UT**
QT924 **WG**
Q12V **POLY**
Q20MR10 **B84CG**
Q35MR10 **ICE420**
I162

LAMP / VOLTAGE CHART - 107

HID*	Voltage 120	208	240	277	347	480
60CMPE		200 - 277V				
50MH	•			•		
70MH	•	•	•	•	•	
100MH	•	•	•	•	•	•
150MH	•	•	•	•	•	
175MH**	•	•	•	•	•	•
50CMHE[1]	UNIV					
70CMHE[1]	UNIV					
100CMHE[1]	UNIV					
35HPS	•					
50HPS	•			•		
70HPS	•	•	•	•	•	•
100HPS	•	•	•	•	•	•
150HPS	•	•	•	•	•	
Fluorescent						
26QF[1]	UNIV				•	
226QF[1]	UNIV				•	
32TRF[1]	UNIV				•	
232TRF[1]	UNIV				•	
42TRF[1]	UNIV				•	
242TRF[1]	UNIV				•	

CONFIGURATION CHART - 107EM OR 107EMC[5]

Fluorescent	Distribution FT	WT	MT	Voltage 120	208	240	277	347	480
226QF[2]			•	•			•		
32TRF			•	•			•		
42TRF			•	•			•		

CONFIGURATION CHART - 107EMR[5]

Fluorescent	Distribution FT	WT	MT	Voltage 120	208	240	277	347	480
226QF[2,3,4]			•	•			•		
32TRF			•	•			•		
232TRF[2,3,4]			•	•			•		
42TRF			•	•			•		
242TRF[2,3,4]			•	•			•		

** MH, CMHE and HPS types require medium based E17 lamps. All MH 150W and below are pulse start by design, including CMHE types.*

*** 175MH not available for sale in the United States.*

Combinations marked with a dot or shown with "UNIV" are available for ordering.

MH - Metal Halide
CMHE - Ceramic Metal Halide with Electronic Ballast
CMPE - CosmoPolis HPS - High Pressure Sodium
TRF - Triple Tube Fluorescent
QF - Quad Fluorescent

OPTIONS

F[7] Fusing
PCB[7] Button Type Photocontrol
QS[8] Quartz Standby
QST[8] Quartz Standby - Timed Delay
Q924[9] Quartz Emergency
QT924[9] Quartz Emergency - Timed Delay
Q12V[9] Quartz 12V Emergency
Q20MR[10] (2)MR16 12V Emergency - 20 Watt
Q35MR[10] (2)MR16 12V Emergency - 35 Watt
SL Solite® Diffusing Lens
UT 5° Uptilt
WLU[11] Wet Location Door for Inverted Mount
WS[12] Wall Mounted Box for Surface Conduit
WS/UT[12] WS Option w/5° Uptilt
WG[13] Wire Guard
POLY[13,14] Polycarbonate Sag Lens

EMR Luminaires Only:[15]

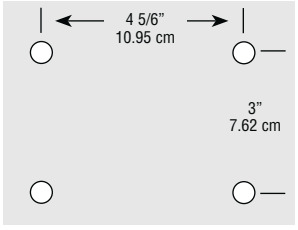
B84CG Bodine Remote Emergency Pack
ICE420[16] IOTA Remote Emergency Pack
226QF / 232TRF only.
I162[17] IOTA Remote Emergency Pack
226QF / 232TRF / 242TRF only.

1. *Fluorescent and CMHE luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" voltage for 120V through 277V.*
2. *One (1) lamp is powered in emergency mode with EM, EMC and EMR types with the B84CG option.*
3. *Available with ICE420 option, which powers two (2) lamps in emergency mode. ICE420 option only available with 226QF or 232TRF. CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.*
4. *Available with I162 option, which powers two (2) lamps in emergency mode. Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.*
5. *Refer to "107 Emergency Sconce Table" for additional information.*
6. *120V through 277V only.*
7. *Not available with 480V.*
8. *HID only, Not available with CMHE Ballasts, FT Optics or in 480V. 100w Quartz maximum.*
9. *WT Optic only. 150w HID maximum, 100w Quartz maximum.*
10. *WT Optic only. 50CMHE or 70CMHE only. Supplied with two (2) 20W MR16 or two (2) 35W MR16 Flood (40° beam) lamps.*
11. *Not available with WG or POLY options.*
12. *Rear entry permitted.*
13. *Not Available with WLU option.*
14. *100 watt HID maximum. Polycarbonate lenses carry a 1 year warranty only.*
15. *All Emergency Battery Packs for EMR types MUST be ordered with luminaires and supplied by Gardco.*
16. *CAUTION: Maximum battery pack input power for EMR units with ICE420 option is 100 watts (.83 amps) when heating element is on. This is in addition to the normal input power for luminaire lamps and ballast.*
17. *Lamps are wired in parallel. In emergency mode, should one lamp become inoperable, the remaining lamp will operate with a minimum total initial output of 2,250 lumens.*

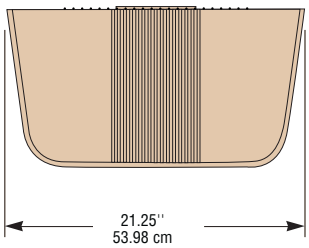
107 EMERGENCY SCONCE TABLE

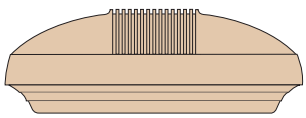
107 Emergency Luminaire	Battery Pack Min. Ambient Temperature	Lamps Powered in Emergency Mode
107EM (Integral)	32°F / 0°C	(1) 26, (1) 32, or (1) 42 Watt Compact Fluorescent Lamp
107EMC (Integral)	-4°F / -20°C	
107EMR (Remote) with B84CG Option	32° F/ 0°C	
107EMR (Remote) with I162 Option[6]	32° F/ 0°C	(2) 26, (2) 32 or (2) 42 Watt Compact Fluorescent Lamps
107EMR (Remote) with ICE420 Option[6]	0°F / -18°C	(2) 26, or (2) 32 Watt Compact Fluorescent Lamps

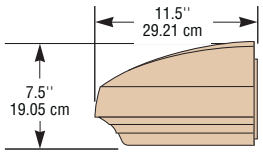
DIMENSIONS



Mounting Bracket Pattern







Prior to ordering, consult Submittal Data Sheet on sitelighting.com for the most current information, notes and exclusions.

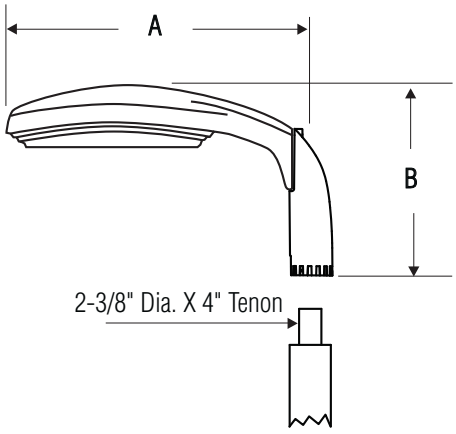
Philips Gardco Lighting reserves the right to change materials or modify the design of its product without notification as part of the company's continuing product improvement program.

SINGLE TR1

The Single Gullwing™ Transition (TR1) mounts to a 2-3/8" x 4" top tenon. Specify a pole with a 3.00" O.D. (with G13) or a 4.50" O.D. (with G18) for a smooth transition.

Dimensions

	A	B
G13	23.16" 58.83 cm	16.00" 40.64 cm
G18	33.50" 85.09 cm	20.80" 51.77 cm



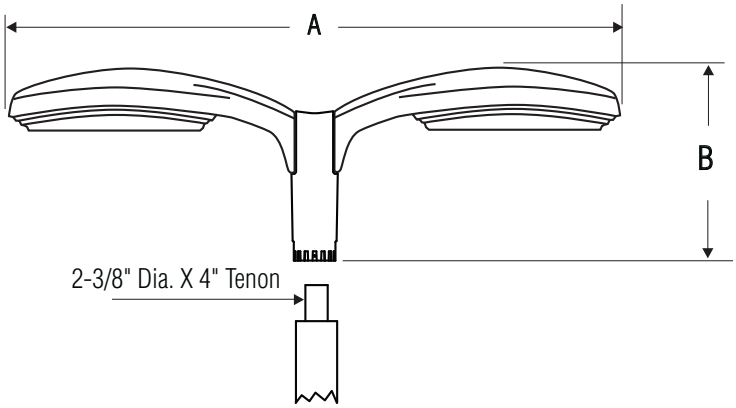

TR1

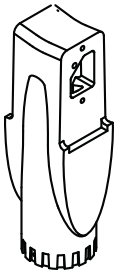
TWIN TR2

The Twin Gullwing™ Transition (TR2) also mounts to a 2-3/8" x 4" top tenon. Specify a pole with a 3.00" O.D. (with G13) or a 4.50" O.D. (with G18) for a smooth transition.

Dimensions

	A	B
G13	43.38" 117.81 cm	16.00" 40.64 cm
G18	67.16" 170.59 cm	20.80" 51.77 cm



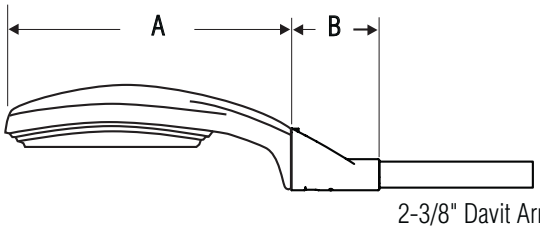

TR2

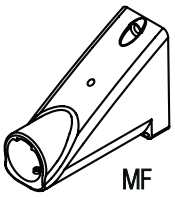
MAST ARM MF

The Gullwing™ Mast Arm Transition (MF) slips over a standard 2-3/8" davit arm.

Dimensions

	A	B
G13	22.54" 57.25 cm	8.00" 20.32 cm
G18	31.50" 80.01 cm	9.50" 24.13 cm




MF

Fascia Plates

Radiant

100 Line Sconces

Bollards

1611 Clovis Barker Road
San Marcos, TX 78666
512/753-1000
800/227-0758
Fax: 512/753-7855
www.sitelighting.com

ISO 9001 CERTIFIED

GARDCO UL REGISTERED FIRM ISO 9001 A9211

FSC Mixed Sources
Product group from well-managed forests and other controlled sources
Cert no.
www.fsc.org
© 1996 Forest Stewardship Council

PHILIPS

GARDCO

79103-17/0110