McGraw-Edison

DESCRIPTION

The Galleria luminaires beauty and versatility make it an excellent choice for roadway and general area lighting applications. An aesthetic reveal in the formed aluminum housing gives the Galleria luminaire a distinctive look while a variety of mounting options and lamp wattages provide maximum flexibility.

The Galleria luminaires superior light distributions makes it the optimum choice for almost any small, medium or large area lighting application.

SPECIFICATION FEATURES

Construction
HOUSING: Formed aluminum housing with stamped reveal has interior-welded seams for structural integrity and is finished in premium TGIC polyester powder coat. U.L. listed and CSA certified for wet locations. DOOR: Formed aluminum door has heavy-duty hinges, captive retaining screws and is finished in premium TGIC polyester powder coat. (Spider mount unit has steel door.)

Electrical
BALLAST TRAY: Ballast tray is hard-mounted to housing interior for cooler operation.

Optics
REFLECTOR: Choice of fourteen high efficiency optical systems utilizing horizontal and vertical lamp orientations. Optional high efficiency segmented optical systems constructed of premium 95% reflective anodized aluminum sheet. Optical segments are rigidly mounted inside a thick gauge aluminum housing for superior protection. All segment faces are clean of rivet heads, tabs or other means of attachment which may cause streaking in the light distribution. Standard with mogul-base socket. All optical modules feature quick disconnect wiring plugs and are field rotatable in 90° increments. LENS: Convex tempered glass lens or flat glass.

Mounting
Extruded aluminum arm includes internal bolt guides allowing for easy positioning of fixture during assembly. Specify arm-included mounting for contractor-friendly single carton packaging of housing and arm.

Efficiency Standards Notice
Select luminaires are manufactured to USA and California efficiency regulations.
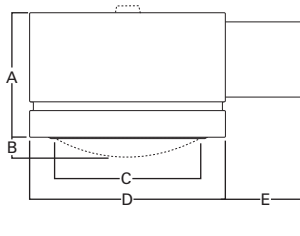
GSM/GSL
GALLERIA SQUARE

150 - 1000W
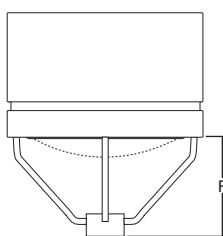**Pulse Start Metal Halide**
High Pressure Sodium

ARCHITECTURAL AREA LUMINAIRE

DIMENSIONS

ARM MOUNT   **SPIDER MOUNT**

ARM DRILLING

TYPE "M"

2-5/16" [59mm]
3/4" [19mm] Dia. Hole
2-7/16" [62mm]
4-7/8" [124mm]
(2) 5/8" [16mm] Dia. Holes

DIMENSIONAL DATA

Fixture	A	B	C	D	E	F
GSM	11" [279mm]	3-1/2" [89mm]	19-1/4" [480mm]	21-3/4" [552mm]	6" [152mm]	15" [381mm]
					14" [356mm]	16" [406mm]
GSL	14-1/2" [279mm]	4-1/4" [108mm]	25-7/8" [657mm]	27" [686mm]	6" [152mm]	18-3/4" [476mm]
					14" [356mm]	19-3/4" [502mm]

NOTE: Top cap used on GSM with 1000W flat glass vertically lamped optics only.
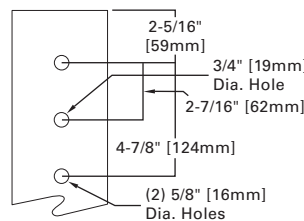
ENERGY DATA

CWA Ballast Input Watts
150W MP HPF (185 Watts)
175W MP HPF (198 Watts) ⓔ
250W MP HPF (283 Watts) ⓔ
250W HPS HPF (295 Watts)
400W MP HPF (452 Watts) ⓔ
400W HPS HPF (457 Watts)
750W MP HPF (820 Watts)
1000W HPS HPF (1100 Watts)

EPA
Effective Projected Area: (Sq. Ft.)
[Without Arm]
GSM: 2.40 **GSL**: 3.90
[Spider Mount]
GSM: 2.86 **GSL**: 4.45

SHIPPING DATA
Approximate Net Weight:
GSM: 79 lbs. (36 kgs.)
GSL: 88 lbs. (40 kgs.)
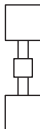
MOUNTING CONFIGURATIONS AND EPAS

Wall Mount	Arm Mount Single	Arm Mount 2 @ 180°	Arm Mount 2 @ 90°	Arm Mount 3 @ 120° (Round Pole Only)	Arm Mount 3 @ 90°	Arm Mount 4 @ 90°
	GSM: 2.9 **GSL:** 4.4	**GSM:** 5.8 **GSL:** 8.8	**GSM:** 6.8 **GSL:** 9.8	**GSM:** 9.2 **GSL:** 13.7	**GSM:** 9.2 **GSL:** 13.7	**GSM:** 10.4 **GSL:** 15.6
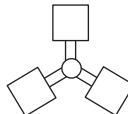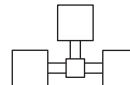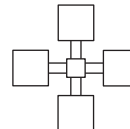
ORDERING INFORMATION

Sample Number: GSM-AM-400-MP-MT-3V-SG-BZ-L

Product Family [1]	Mounting Method	Lamp Wattage [4]		Lamp Type [7]	Voltage [7]	Distribution	Lens Type	Color [16]
GSM=Galleria Square Medium **GSL**=Galleria Square Large	**Arm Mount** **AM**=Arm Mount [2] **AIS**=Arm Included for Square Pole [3] **AIR**=Arm Included for Round Pole Mount [3] **Spider Mount** **SM2**=Spider Mount (3" O.D. Tenon) **SM3**=Spider Mount (3-1/2" O.D. Tenon)	**Pulse Start Metal Halide** **150**=150W **175**=175W **250**=250W **320**=320W **350**=350W **400**=400W [5] **750**=750W **1000**=1000W [6]	**High Pressure Sodium** **100**=100W **150**=150W **250**=250W **400**=400W **750**=750W **1000**=1000W	**HPS**=High Pressure Sodium **MP**=Pulse Start Metal Halide	**120V**=120V **240V**=240V **277V**=277V **347V**=347V **480V**=480V [8] **MT**=Multi-Tap [9] **TT**=Triple-Tap [9]	**1F**=Type I Formed [10] **2F**=Type II Formed **2S**=Type II Segmented [11,12] **3F**=Type III Formed **3S**=Type III Segmented [11,12] **4S**=Type IV Segmented [11,12] **5S**=Type V Segmented [11,12] **FT**=Forward Throw **SL**=Spill Light Eliminator [11,12,13] **CA**=Cutoff Asymmetric w/EHS **AR**=Area Round **AS**=Area Square **3V**=Type III Vertical **RW**=Rectangular Wide [14]	**SG**=Sag Glass **FG**=Flat Glass [15]	**AP**=Grey **BK**=Black **WH**=White **DP**=Dark Platinum **GM**=Graphite Metallic

Options (Add as Suffix)	Accessories (Order Separately) [20]	
F=Single Fuse (120, 277 or 347V) **FF**=Double Fuse (208, 240 or 480V) **L**=Lamp Included **EM**=Quartz Restrike w/Delay [17] **Q**=Quartz Restrike [17] **R**=NEMA Twistlock Photocontrol Receptacle **EHS**=External Adjustable House Side Shield **HS**=House Side Shield [18] **VS**=Vandal Shield [19]	**GSM-EXTHS**=External House Side Shield - 2.24 EPA **GSL-EXTHS**=External House Side Shield - 2.46 EPA **MA1004XX**=14" Arm for Square Pole - 1.0 EPA [21] **MA1005XX**=6" Arm for Square Pole - 0.5 EPA **MA1006XX**=Direct Mount Kit for Square Pole **MA1007XX**=14" Arm for Round Pole - 1.0 EPA [21] **MA1008XX**=6" Arm for Round Pole - 0.5 EPA **MA1009XX**=Direct Mount Kit for Round Pole **MA1029XX**=Wall Mount Bracket with 10" Arm **MA1208XX**=11-1/2" Arm and Round Pole Adapter - 0.8 EPA **OA1066XX**=Mast Arm Adapter **MA1010XX**=Single Tenon Adapter for 3-1/2" O.D. Tenon **MA1011XX**=2@180° Tenon Adapter for 3-1/2" O.D. Tenon **MA1012XX**=3@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1013XX**=4@90° Tenon Adapter for 3-1/2" O.D. Tenon	**MA1014XX**=2@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1015XX**=2@120° Tenon Adapter for 3-1/2" O.D. Tenon **MA1016XX**=3@90° Tenon Adapter for 3-1/2" O.D. Tenon **MA1017XX**=Single Tenon Adapter for 2-3/8" O.D. Tenon **MA1018XX**=2@180° Tenon Adapter for 2-3/8" O.D. Tenon **MA1019XX**=3@120° Tenon Adapter for 2-3/8" O.D. Tenon **MA1045XX**=4@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1048XX**=2@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1049XX**=3@90° Tenon Adapter for 2-3/8" O.D. Tenon **MA1061**=House Side Shield for GSM - Field Installed [22] **MA1062**=House Side Shield for GSL - Field Installed [22] **OA/RA1016**=NEMA Twistlock Photocontrol - Multi-Tap **OA/RA1027**=NEMA Twistlock Photocontrol - 480V **OA/RA1201**=NEMA Twistlock Photocontrol - 347V

NOTES:
1. Customer is responsible for engineering analysis to confirm pole and fixture compatibility for all applications. Refer to our white paper WP513001EN for additional support information.
2. Arm not included. See Accessories.
3. Arm length varies based on housing size: 11-1/2" for GSM and 14" for GSL.
4. Standard with mogul-base lamp sockets. Wattage availability varies by housing size, see wattage table.
5. Requires reduced envelope ED-28 lamp when used with GSM housing and flat glass vertically lamped optics.
6. Requires reduced envelope BT-37 lamp when used with GSM housing.
7. Consult an Eaton representative for lamp/ballast type/voltage compatibility.
8. Pulse start metal halide 150W 480V requires high reactance to meet EISA requirements.
9. Multi-Tap ballast is 120/208/240/277V wired 277V. Triple-Tap ballast is 120/277/347V wired to 347V.
10. Medium housing fixture only.
11. Require reduced envelope lamps.
12. Not available in 1000W or large housings.
13. Must use reduced envelope lamp, not available in GSL housing.
14. RW optic not available with flat glass.
15. 1000W available only in reduced envelope. Not available in "RW" distribution.
16. Other finish colors available, including a full line of RAL color matches. Consult your lighting representative at Eaton for more information.
17. Quartz options not available with SL optics.
18. House side shield not available with 5S, RW, AS, AR, SL and CA optics.
19. Arm mount only, 400W maximum.
20. Replace XX with color suffix.
21. Use for mounting fixtures at 90° increments.
22. Compatible with sag lens vertical optics only.

Eaton
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P: 770-486-4800
www.eaton.com/lighting

Specifications and dimensions subject to change without notice.

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