

Beam-Master™ Floodlights

General Purpose and Heavy Duty.

Ballast for 400 W PSMH; 1000 W, 1500 W MH; 400 W, 1000 W HPS.

Applications

- To illuminate large areas such as:
 - Building facades
 - Ship loading docks
 - Truck terminals
 - Security lighting
 - Airports
 - Athletic stadiums
 - Sports fields

Features

- General purpose and heavy duty units available for 400 W PSMH, 1000 W or 1500 W metal halide lamps or 400 W and 1000 W high pressure sodium lamps. Choice of five different NEMA beam spreads (1000 W HPS, two beam spreads; 400 W MH, three beam spreads.)
- Compact design combines reflector assembly and ballast housing as a single unit — easier to wire and install.
- Balanced weight distribution allows swing-over design for easy relamping and servicing.
- Sturdy and rugged — withstands high vibration and rugged usage.
- Breather openings allow unit to breathe, yet keep dirt and moisture out.
- Floodlights have aiming device, plus 180° vertical positioning scale. Fully adjustable horizontally with crossarm bracket or poletop mount.
- Swing-over design with a “memory” locking device for accurate return to pre-aimed position after servicing.
- Mogul base porcelain socket has heavy gauge brass, nickel plated, double lamp-grip screw shell and spring-loaded center contact.
- Heavy duty models have heavy shroud for protection against severe weather, such as high winds and hail.
- Cord enters through a weatherproof cord grip.
- Yoke is rugged 6061-T6 aluminum alloy. Crossarm bracket and poletop slip-fitter are malleable iron.
- Ballasts are Class H insulated, UL Listed, C.W.A. type, available multi-tapped 120, 208, 240, or 277 Volts, or single-tap for 480 Volts.

Standard Materials

- Reflectors: aluminum
- Lens: shock and impact resistant glass
- Gasket: one-piece silicone rubber gasket
- Frame and clamps: stainless steel
- Socket/ballast: cast aluminum
- Housing: malleable iron

Standard Finishes

- Reflectors: natural finish
- Ballast: white powder coated polyester finish
- Housing: zinc plated, chromate sealed, architectural bronze polyester finish

Certifications and Compliances

- UL Listed: E85142
- UL Standard: 1598
- CSA Certified: LR9349



Mounting Options



Poletop Slip-Fitter Mounting



Crossarm Mounting

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NEMA Type	Beam Spread Horiz x Vert.	Beam Lumens	Beam Effic.	Candlepower		Line Voltage	Catalog Number	
				Avg. Max. CP	Max CP		General Purpose	Heavy Duty
With Ballast for 1000 W Metal Halide Lamp								
II	20.2° x 21.1°	37,577	34.2%	1,332,312	1,547,349	120/208/240/277 480	G-SM821H-MTN ① G-SM821H-48N	G-SM821HH-MTN ① G-SM821HH-48N
III	45.1° x 45.1°	55,104	50.1%	481,977	638,600	120/208/240/277 480	G-SM831H-MTN ① G-SM831H-48N	G-SM831HH-MTN ① G-SM831HH-48N
IV	58.6° x 59.3°	61,562	56.0%	213,277	266,126	120/208/240/277 480	G-SM841H-MTN ① G-SM841H-48N	G-SM841HH-MTN ① G-SM841HH-48N
V	73.6° x 74.0°	66,843	60.8%	128,822	160,661	120/208/240/277 480	G-SM851H-MTN ① G-SM851H-48N	G-SM851HH-MTN ① G-SM851HH-48N
VI	111.5° x 111.2°	74,020	67.3%	76,050	82,363	120/208/240/277 480	G-SM861H-MTN ① G-SM861H-48N	G-SM861HH-MTN ① G-SM861HH-48N
With Ballast for 1500 W Metal Halide Lamp								
II	20.2° x 21.1°	52,950	34.2%	1,877,349	2,180,356	120/208/240/277 480	G-SM921H-MTN ① G-SM921H-48N	G-SM921HH-MTN ① G-SM921HH-48N
III	45.1° x 45.1°	77,646	50.1%	679,149	899,846	120/208/240/277 480	G-SM931H-MTN ① G-SM931H-48N	G-SM931HH-MTN ① G-SM931HH-48N
IV	58.6° x 59.3°	86,746	56.0%	300,526	374,996	120/208/240/277 480	G-SM941H-MTN ① G-SM941H-48N	G-SM941HH-MTN ① G-SM941HH-48N
V	73.6° x 74.0°	94,188	60.8%	181,522	226,386	120/208/240/277 480	G-SM951H-MTN ① G-SM951H-48N	G-SM951HH-MTN ① G-SM951HH-48N
VI	111.5° x 111.2°	104,301	67.3%	107,161	116,057	120/208/240/277 480	G-SM961H-MTN ① G-SM961H-48N	G-SM961HH-MTN ① G-SM961HH-48N
With Ballast for 400 W Pulse Start Metal Halide Lamp								
II	20.9° x 20.1°	14,538	36.3%	345,368	528,021	120/208/240/277 480	G-SM721P-MTN ① G-SM721P-48N	G-SM721PH-MTN ① G-SM721PH-48N
V	73.1° x 72.8°	19,566	48.9%	35,090	54,015	120/208/240/277 480	G-SM751P-MTN ① G-SM751P-48N	G-SM751PH-MTN ① G-SM751PH-48N
VI	108.4° x 99.1°	22,656	66.6%	28,815	34,043	120/208/240/277	G-SM761P-MTN ①	G-SM761PH-MTN ①
With Ballast for 1000 W High Pressure Sodium Lamp								
V	69.1° x 65.2°	63,710	45.5%	175,347	302,942	120/208/240/277 480	G-SM851L-MTN ① G-SM851L-48N	G-SM851LH-MTN ① G-SM851LH-48N
VI	110.3° x 104.6°	81,722	58.4%	81,998	107,556	120/208/240/277 480	G-SM861L-MTN ① G-SM861L-48N	G-SM861LH-MTN ① G-SM861LH-48N
With Ballast for 400 W High Pressure Sodium Lamp								
II						120/208/240/277 480	G-SM721L-MTN ① G-SM721L-48N	G-SM721LH-MTN ① G-SM721LH-48N
III						120/208/240/277 480	G-SM731L-MTN ① G-SM731L-48N	G-SM731LH-MTN ① G-SM731LH-48N
IV						120/208/240/277 480	G-SM741L-MTN ① G-SM741L-48N	G-SM741LH-MTN ① G-SM741LH-48N
V						120/208/240/277 480	G-SM751L-MTN ① G-SM751L-48N	G-SM751LH-MTN ① G-SM751LH-48N
VI						120/208/240/277 480	G-SM761L-MTN ① G-SM761L-48N	G-SM761LH-MTN ① G-SM761LH-48N

① For tri-tap 120/277/347 V, change suffix -MTN to -TTN v.f.

LIGHTING: GENERAL LIGHTING – AREA – FLOODLIGHTS

Lighting

Beam-Master™ Floodlights

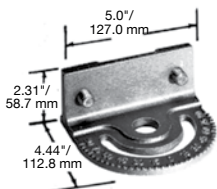
General Purpose and Heavy Duty.

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Mounting Fittings and Accessories

Dimensions	Description	Catalog Number
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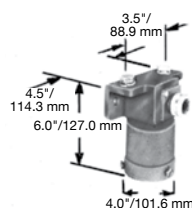
Crossarm Mounting Bracket



180° horizontal adjustment—degree-marked. Facilitates mounting floodlight to crossarm or other flat surface, or to G-AM-8-WB. Includes floodlight yoke bolts.

G-AM-8-CA

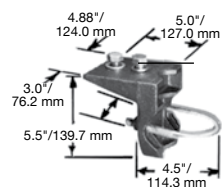
Poletop Slip-Fitter



Slip-fits 2" or 2-1/2"/50.8 or 63.5 mm poletop tenons. Includes floodlight yoke bolts, 3 locking bolts and cord grip.

G-AM-8-SF

Pipe or Wall Mount Bracket



Used with G-AM-8-CA. Clamps to 1" to 2"/25.4 to 50.8 mm pipe, vertical or horizontal, or mounts on flat surfaces. Includes U-bolt and crossarm bracket bolts.

G-AM-8-WB

Fuse and Cartridge



Cartridges are furnished complete with two 10"/254 mm-long high temperature wire leads and 600 Volt fuse.

10 Amp.

G-F10

20 Amp

G-F20

Electrical Specifications

Line Volts	Metal Halide — C.W.A. @ Ballast Amps									High Pressure Sodium — C.W.A. @ Ballast Amps					
	400 W			1000 W			1500 W			400 W			1000 W		
	Start	Oper.	Total Watts	Start	Oper.	Total Watts	Start	Oper.	Total Watts	Start	Oper.	Total Watts	Start	Oper.	Total Watts
120	3.25	4.00	458	8.0	9.20	1080	13.50	14.0	1610	3.30	3.80	465	6.35	9.50	1100
208	1.90	2.30	458	4.6	5.30	1080	7.70	8.00	1610	1.80	2.20	465	3.80	5.50	1100
240	1.90	2.00	458	4.0	4.60	1080	6.70	7.00	1610	1.60	1.90	465	3.20	4.80	1100
277	1.40	1.75	458	3.50	4.00	1080	5.90	6.00	1610	1.40	1.70	465	2.75	4.20	1100
480	.85	1.00	465	2.00	2.30	1080	2.25	3.50	1610	.80	1.00	465	1.80	2.45	1100

@ C.W.A.—Constant Wattage Autotransformer.

Dimensions

