

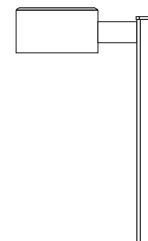


by Signify

Site & Area

Form 10 Square

EH / H Arm Mount



The Gardco arm mounted Square Form 10 products are cutoff luminaires for high intensity discharge lamps up to 400 watts. The EH units are manufactured from mitered extruded aluminum and finished in an Architectural Class 1 anodizing. The H style luminaires are die formed aluminum with a thermoset polyester finish. Both products can accept one of seven (7) interchangeable and rotatable precision segmented optical systems. Flat glass lens luminaires provide full cutoff performance. Sag Lens luminaires provide cutoff performance.

Project:	
Location:	
Cat.No:	
Type:	
Lamps:	Qty:
Notes:	

Ordering Guide

example: EH1411100MH120BRPF

Prefix	Mounting	Distribution	Wattage					
EH14	14" Square Extruded Luminaire	1 Single Pole Mount at 180° 2 Twin Pole Mount at 90°	Horizontal Lamp		Pulse Start MH Magnetic Ballast	EH / H 14"	EH / H 19"	
			1 Type I 3 Type III 4X ^{1,2} Type IV FM Type IV BLC ² Backlight Control 19" only. Q Type V				250PSMH ^(E) 250PS90 ¹¹ ^(E) 320PSMH ⁷ ^(E) 350PSMH ⁷ ^(E)	400PSMH ² ^(E)
EH19	19" Square Extruded Luminaire	2@90 Twin Pole Mount at 90°			MasterColor Elite Electronic System (See Notes 5, 6, 9,10)		210MCE-3K ^(E) 210MCE-4K ^(E)	315MCE-3K ^(E) 315MCE-4K ^(E)
H14	14" Square Fabricated Luminaire	3 3-way Pole Mount at 90°						
H19	19" Square Fabricated Luminaire	3@120° 3-way Pole Mount at 120° 4 4-way Pole Mount	Vertical Lamp		Pulse Start MH Electronic Ballast		250PSE ^{5,6} ^(E)	320PSE ^{5,6,7} ^(E)
			VS Type V In 400W and below, vertical lamp luminaires are supplied with an acrylic sag lens. Medium base lamp, 200W max on 14" units.					
					High Pressure Sodium Magnetic Ballast	70HPS 100HPS 150HPS	200HPS 250HPS 400HPS	
(E) Wattages marked with Circle "E" meet federal energy efficiency standards applicable to 100 watt through 400 watt metal halide luminaires only.								

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.

- | | |
|--|---|
| 1. Type 4X available in 19" luminaires only. Type 4X luminaires, 400W and below, are supplied with flat glass lens standard. | 7. Requires E28/BT28 lamp. |
| 2. PSMH 400W Type 4X and BLC luminaires require the E28/BT28 reduced jacket lamp. | 8. Available with horizontal lamp optics only. |
| 3. Medium base lamp. | 9. MasterColor Elite systems are supplied with lamp. |
| 5. UL Listed at 40°C ambient. | 10. "-3K" suffix specifies a 3000°K lamp and "-4K" suffix specifies a 4000°K lamp. |
| 6. Available 120V, 200-277V, 347V or 480V only. | 11. 250 watt Pulse Start Metal Halide with a 90% efficient magnetic ballast. Complies with California Title 20 effective 1/1/2010. Available in 120, 208, 240 or 277V only. |

Form 10 Square EH/H Arm Mount

(cont'd from page 1)

Ordering Guide

example: EH1411100MH120BRPF

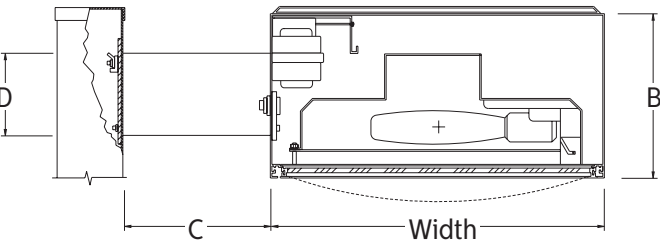
Voltage	Finish	Options
120 208 240 277 200-277 <i>MCE and PSE types only.</i> 347 480 QUAD <i>120/208/240/277 wired to 277V.</i>	EH14 and EH19 BRA Bronze Anodized BLA Black Anodized NA Natural Anodized OC Optional Color Paint <i>Specify RAL designation ex: RAL7024.</i> SC Special Color Paint <i>Specify. Must supply color chip.</i> H14 and H19 BRP Bronze Paint BLP Black Paint OC Optional Color Paint <i>Specify RAL designation ex: RAL7024.</i> SC Special Color Paint <i>Specify. Must supply color chip.</i>	F^{3,12} Fusing In Head LF³ In-Line/In-Pole Fusing PC¹² Photocontrol and Receptacle PCR Photocontrol Receptacle only HS¹⁴ Internal Houseside Shield QS¹⁵ Quartz Standby QST¹⁵ Quartz Standby - Timed Delay Q924¹⁵ Quartz Emergency QT924¹⁵ Quartz Emergency - Timed Delay SG¹⁷ Sag Glass Lens MA Mast Arm Fitter Requires 2 3/8" OD mast arm UB Quick Disconnect for Ballast Tray AT¹⁹ Adjustable Knuckle - Tenon Mount 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

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.

- 12. Not available in 480V.
- 13. Specific input voltage required.
- 14. Supplied standard with FM optics.
- 15. See QS/Q924 Table.
- 17. In lieu of flat glass. Supplied standard with 26" VS.
- 19. Fits 2 3/8" tenon. Not available with 14" units. One way mounting only.

(Note 15) QS / Q924 Table	
HID Lamp Watts	Maximum Quartz Lamp Watts
175 watts or less	100 Watts
Above 175 watts up to 400 watts	150 Watts
14" luminaires limited to 100 watt quartz lamp maximum regardless of HID wattage.	

Dimensions, EPA and Mounting Illustrations



Size	Width	B	C	D
EH14	14" 35.56 cm	7" 17.78 cm	6" 15.24 cm	5" 12.70 cm
H14	14" 35.56 cm	7" 17.78 cm	6" 15.24 cm	5" 12.70 cm
EH19	19" 48.26 cm	10" 25.40 cm	9" 22.86 cm	5" 12.70 cm
H19	19" 48.26 cm	10" 25.40 cm	9" 22.86 cm	5" 12.70 cm
H26	26" 66.04 cm	12" 30.48 cm	12" 30.48 cm	8" 20.32 cm

Refer to Table on Page 1 for mounting ordering information.

Size	Effective Projected Area (EPA)			Approximate Weight
	Single	Twin	3/4	Single
14"	1.1 ft ² .10 m ²	2.3 ft ² .21 m ²	2.9 ft ² .27 m ²	30 lbs 13.61 kg
19"	2.1 ft ² .20 m ²	4.0 ft ² .37 m ²	5.5 ft ² .51 m ²	55 lbs 24.95 kg
26"	3.5 ft ² .33 m ²	7.0 ft ² .65 m ²	8.9 ft ² .83 m ²	95 lbs 43.09 kg

Form 10 Square EH/H Arm Mount

Specifications

GENERAL

Each Gardco Square Form 10 arm mount is a cutoff luminaire for high intensity discharge lamps. Units are designed with half-cube proportions. Internal components are totally enclosed, rain-tight, dust-tight and corrosion resistant. No venting of optical system or electrical components is required or permitted. Luminaires are completely assembled with no disassembly required for installation. Lamping requires no lifting or hinging of the luminaire housing, disturbing wiring or exposing uninsulated live parts.

HOUSING

Extruded housings (EH style) are offered in 14" (35.56 cm) and 19" (48.26 cm) sizes and are composed of precisely mitered anodized aluminum extrusions. Fabricated (H style) units are available in 14" (35.56 cm) and 19" (48.26 cm) sizes and are one piece, multi-formed aluminum with an integral reinforcing spline and a single concealed joint. Pressure injected silicone provides a continuous

weathertight seal at all miters and points of material transition.

ARM

Extruded aluminum arm is wired and secured to luminaire by contractor. Assembly is suitable for mounting to pole without requiring access to luminaire.

LENS

Mitered, extruded anodized aluminum door frame retains the optically clear, heat and impact resistant tempered flat glass in a sealed manner using hollow section, high compliance, memory retentive extruded silicone rubber. Type VS luminaires are supplied with an acrylic sag lens. Concealed stainless steel latch and hinge permit easy toolless access to the luminaire.

OPTICAL SYSTEMS

The segmented Form 10 optical system is homogeneous sheet aluminum, electrochemically brightened, anodized and sealed. The segmented reflectors are set in faceted arc tube image duplicator patterns to achieve IES Types I (1), III

(3), IV (FM, 4X and BLC), and V (Q – horizontal lamp and VS – vertical lamp) distributions. The mogul lampholder is glazed porcelain with a nickel plated screw shell with lamp grip – all securely attached to the reflector assembly. All Metal Halide units in the 19" housings have lamp stabilizers ensuring precise arc tube positioning.

ELECTRICAL

All electrical components are UL recognized and factory tested. Electronic and magnetic HID ballasts are high power factor and mounted on a unitized plate. Electronic and magnetic HID ballasts are capable of providing reliable lamp starting down to -20°F / -29°C.

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

FINISH

Extruded housings (EH style) are standard with natural,

bronze, or black Aluminum Association Architectural Class I anodized finish. Special color polyester finishes are available. Formed housings (H style) are standard with a chromatic acid pretreatment. The finish coat is a thermosetting polyester baked at 450°F / 232°C to achieve an H-2H hardness measure. 26" H style units are also offered with optional Architectural Class I anodized finish.

LABELS

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

WARRANTY

5 year limited warranty. See signify.com/warranties for complete details and exclusions.

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

