

Job:  
Type:  
Notes:

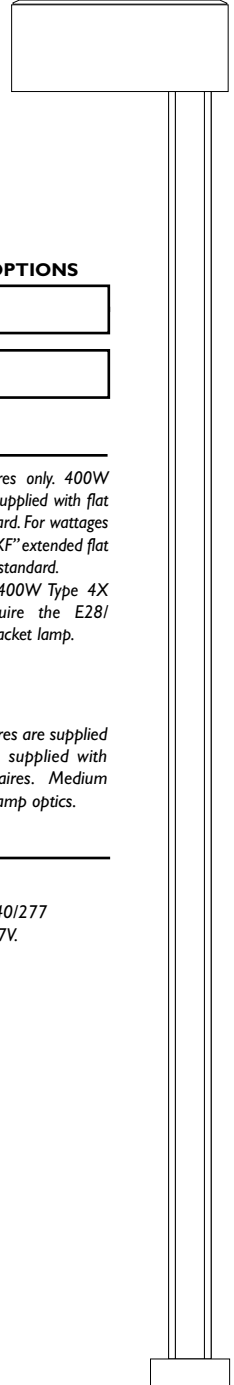
# Form 10 Square

A Style

Page 1 of 3

The Gardco A Style Form 10 products are rectilinear cutoff luminaires for high intensity discharge lamps up to 1000 watts. Housings are manufactured from mitered extruded aluminum and finished in an Architectural Class I anodizing. The A Style luminaires feature a choice of six (6) interchangeable rotatable precision segmented optical systems.

Flat glass lens luminaires provide full cutoff performance. Sag Lens luminaires provide cutoff performance.



PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

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.

## PREFIX

<b>A14</b>	14" Square Extruded Luminaire
<b>A19</b>	19" Square Extruded Luminaire
<b>A26</b>	26" Square Extruded Luminaire

## MOUNTING

<b>1</b>	Single Pole Mount
<b>2</b>	Twin Pole Mount at 180°
<b>3</b>	3-way Pole Mount at 90°
<b>4</b>	4-way Pole Mount

## DISTRIBUTION

<b>Horizontal Lamp</b>		<i>1. 19" luminaires only. 400W and below are supplied with flat glass lens standard. For wattages above 400W, "XF" extended flat lens is supplied standard. 2. MH/PSMH 400W Type 4X luminaires require the E28/BT28 reduced jacket lamp.</i>
<b>1</b>	Type I	
<b>3</b>	Type III	
<b>4X<sup>1,2</sup></b>	Type	
<b>FM</b>	Type IV	
<b>Q</b>	Type V	

## Vertical Lamp

**VS** Type V

Vertical lamp optics, 400W and below, luminaires are supplied with an acrylic sag lens. A glass sag lens is supplied with luminaires above 400W and with 26" luminaires. Medium base lamp required on 14" units with vertical lamp optics.

## WATTAGE

	A14"	A19"	A26"
Pulse Start MH Magnetic Ballast	100MH <sup>1</sup>	250PSMH <sup>ⓔ</sup>	400PSMH <sup>ⓔ</sup>
	150MH <sup>1</sup>	250PS90** <sup>ⓔ</sup>	450PSMH <sup>5</sup> <sup>ⓔ</sup>
	175PSMH <sup>ⓔ</sup>	320PSMH <sup>6</sup> <sup>ⓔ</sup>	750PSMH
		350PSMH <sup>6</sup> <sup>ⓔ</sup>	1000PSMH <sup>5</sup>
Standard (probe start) MH Magnetic Ballast*	175MH* <sup>2</sup>	250MH*	400MH*
	250MH* <sup>4</sup>		1000MH
High Pressure Sodium Magnetic Ballast	100HPS	200HPS	750HPS
	150HPS	250HPS	1000HPS
		400HPS	

## VOLTAGE

<b>120</b>	<b>QUAD</b> <i>120/208/240/277 wired to 277V.</i>
<b>208</b>	
<b>240</b>	
<b>277</b>	
<b>347</b>	
<b>480</b>	

\* 175W, 250W and 400W probe start MH luminaires are not available for sale in the United States.  
\*\* 250PS90 includes a 90% efficient magnetic PSMH ballast, meeting the requirements of California Title 20, effective 1/1/2010.



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

3. Medium base lamp.  
4. 14" 250MH luminaires available in single and twin configurations only. Horizontal optics only.  
5. Available with vertical lamp optics only.  
6. Requires E28/BT28 lamp.

1611 Clovis Barker Road, San Marcos, TX 78666

(800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 [sitelighting.com](http://sitelighting.com)

© 2010 Koninklijke Philips Electronics N.V. All Rights Reserved.

Philips Gardco 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.

79115-42/1010

**PHILIPS**



# Form 10 Square

A Style

## FINISH

- BRA** Bronze Anodized
- BLA** Black Anodized
- NA** Natural Anodized
- OC** Optional Color Paint  
Specify Optional Color or  
RAL ex: OC-LGP or OC-RAL7024.
- SC** Special Paint  
Specify. Must supply color chip.

## OPTIONS

- F** Fusing In Head.
- LF** In-Line/In-Pole Fusing
- PC<sup>7</sup>** Photocontrol and Receptacle
- PCR** Photocontrol Receptacle only
- POLY<sup>8</sup>** Polycarbonate Sag Lens
- HS<sup>9</sup>** Internal Houseside Shield
- XF<sup>11</sup>** Extended Flat Glass Lens
- SG<sup>12</sup>** Sag Glass Lens
- QS<sup>10</sup>** Quartz Standby
- QST<sup>10</sup>** Quartz Standby - Timed Delay
- Q924<sup>10</sup>** Quartz Emergency
- QT924<sup>10</sup>** Quartz Emergency - Timed Delay

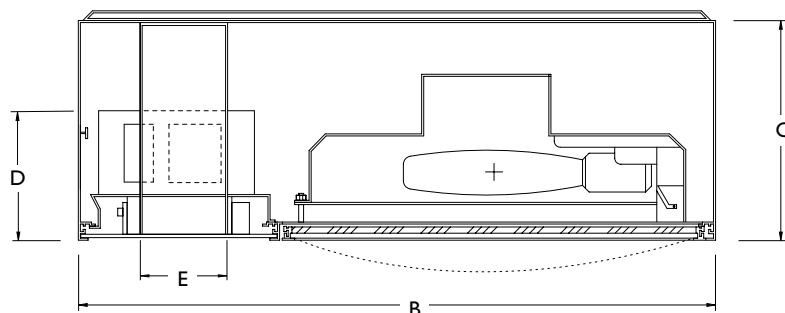
- 7. Not available in 480V.
- 8. In lieu of flat glass. Not available with 4X optics. 450w max. Polycarbonate lenses carry a 1 year warranty only.
- 9. Supplied standard with FM optics.
- 10. See QS/QST Table.
- 11. Flat Glass lens with extended drop. 19" luminaires only. Allows for the use of a larger lamp while providing full cutoff performance.
- 12. In lieu of flat glass. Supplied standard with 26" VS.

(Note 10) 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. QS, QST, Q924 and QT924 options are not available in luminaires above 400 watt HID.*

## DIMENSIONS AND EPA

Size	Width	B	C	Tenon		Single	EPA's			Weight		
				Depth D	Diameter E		Twin	Quad	Single	Twin	Quad	
14"	14"	21"	7"	4"	2 3/8"	1.3 ft <sup>2</sup>	2.7 ft <sup>2</sup>	2.7 ft <sup>2</sup>	34 lbs	62 lbs	122 lbs	
14"	35.56 cm	53.34 cm	17.78 cm	10.16 cm	6.05 cm	.12 m <sup>2</sup>	.25 m <sup>2</sup>	.25 m <sup>2</sup>	15.42 kg	28.12 kg	55.34 kg	
19"	19"	29"	10"	6"	4"	2.5 ft <sup>2</sup>	5.1 ft <sup>2</sup>	5.1 ft <sup>2</sup>	71 lbs	126 lbs	226 lbs	
19"	48.26 cm	73.66 cm	25.40 cm	15.24 cm	10.16 cm	.23 m <sup>2</sup>	.47 m <sup>2</sup>	.47 m <sup>2</sup>	32.21 kg	57.15 kg	102.51 kg	
26"	26"	39"	10"	6"	4"	3.4 ft <sup>2</sup>	6.8 ft <sup>2</sup>	6.8 ft <sup>2</sup>	113 lbs	214 lbs	385 lbs	
26"	66.04 cm	99.06 cm	25.40 cm	15.24 cm	10.16 cm	.32 m <sup>2</sup>	.63 m <sup>2</sup>	.63 m <sup>2</sup>	51.26 kg	97.07 kg	174.63 kg	



1611 Clovis Barker Road, San Marcos, TX 78666  
 (800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 [sitelighting.com](http://sitelighting.com)

© 2010 Koninklijke Philips Electronics N.V. All Rights Reserved.

Philips Gardco 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.

79115-42/1010

**PHILIPS**



### SPECIFICATIONS

**GENERAL:** Each Gardco Form Ten A Style is a rectilinear cutoff luminaire for high intensity discharge lamps. Luminaires are equipped with internal slip fitters for pole top mounting and are available in one-way, two-way and four-way configurations proportionately scaled in three sizes with HID lamps from 70 to 1000 watts. Internal components are totally enclosed, rain-tight, dust-tight and corrosion resistant. No venting of optical system or electrical components is required or permitted. Lamping requires no lifting or hinging the luminaire housing, disturbing wiring or exposing uninsulated live parts.

**HOUSING:** Housings are composed of precisely mitered anodized aluminum extrusions. Tops are press-formed with a returned perimeter flange which are internally welded with the housing sides. Pressure injected silicone provides a continuous weathertight seal at all miters and points of material transition.

**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. 26" VS Luminaires feature a sag glass lens. In 400w and below, Type VS luminaires are supplied with an acrylic sag lens. A glass sag lens is supplied with Type VS luminaires above 400w. Concealed stainless steel latch and hinge permit easy toolless access to the luminaire.

**OPTICAL SYSTEMS:** The segmented Form Ten 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 V (Q - horizontal lamp and VS - vertical lamp) distributions. The mogul base lampholder is glazed porcelain with a nickel plated screw shell with lamp grip - all securely attached to the reflector assembly. 100MH units have medium base lampholder. All horizontal Metal Halide units in the 19" and 26" housings have lamp stabilizers ensuring precise arc tube positioning.

**ELECTRICAL:** Each high power factor ballast is the separate component type, capable of providing reliable lamp starting down to -20°F/-29°C. The ballast is secured within the luminaire, adjacent to the reflector system. Component-to-component wiring within the luminaire will carry no more than 80% of rated current and is listed by UL for use at 600 VAC at 301°F/150°C or higher. Plug disconnects are listed by UL for use at 600 VAC, 15A or higher.

**FINISH:** Anodized housings are created with an Aluminum Association Architectural Class I anodizing process to achieve a bronze, black or natural aluminum finish. Painted units are finished with hardcoat, fade resistant, electrostatically applied polyurethane. Consult factory for special color finishes.

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

**WARRANTY:** Gardco luminaires feature a 5 year limited warranty. See Warranty Information on [www.sitelighting.com](http://www.sitelighting.com) for complete details and exclusions. Polycarbonate lenses carry a 1 year warranty only.

**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.

1611 Clovis Barker Road, San Marcos, TX 78666

(800) 227-0758 (512) 753-1000 FAX: (512) 753-7855 [sitelighting.com](http://www.sitelighting.com)

© 2010 Koninklijke Philips Electronics N.V. All Rights Reserved.

Philips Gardco 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.

79115-42/1010

**PHILIPS**

