

Job:  
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Notes:

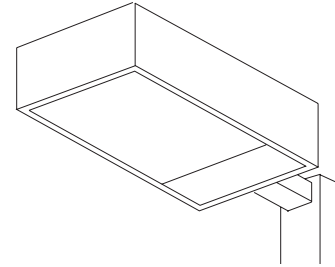
# Emco

# Infinity II

Page 1 of 3

Area Luminaires

The Infinity II is a rectangular area luminaire which provides full cutoff, even illumination, and wide spacings. Housings are manufactured in rugged extruded aluminum. All units are thoroughly sealed and gasketed preventing intrusion of moisture, dust, pollutants, and insects. Four (4) segmented aluminum optical systems are available, providing the desired photometric distribution and illumination levels.



Infinity II luminaires provide full cutoff performance.

PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS

Enter the order code into the appropriate box above. Note: Philips 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	MOUNTING	DISTRIBUTION
<b>PAES</b> Small Housing	<b>1</b> Single Pole Mount	<u>Horizontal Lamp</u>
<b>PAEM</b> Medium Housing	<b>2</b> Twin Pole Mount at 180°	<u>All Housing Sizes</u>
<b>PAEL</b> Large Housing	<b>2@90</b> Twin Pole Mount at 90°	<b>2H</b> Type II
	<b>3</b> 3-way Pole Mount at 90°	<b>3H</b> Type III
	<b>3@120°</b> 3-way Pole Mount at 120°	<b>FH</b> Type IV Forward Throw
	<b>4</b> 4-way Pole Mount	<u>Medium Housing Only</u>
	<b>WA</b> Wall Mount with Arm <i>Small or Medium housing only.</i>	<b>QH</b> Type V

WATTAGE	VOLTAGE
	<b>120</b>
	<b>208</b>
	<b>240</b>
	<b>277</b>
	<b>347</b>
	<b>480</b>
	1. Requires E37 / BT37 lamp. 2. Requires E28 / BT28 lamp.
<b>Small Housing</b>	
<i>2H, 3H, FH Optics</i>	
<b>70MH</b>	
<b>100MH</b>	
<b>150MH</b>	
<b>175PSMH</b> <sup>ⓔ</sup>	
<b>200MH</b> <sup>ⓔ</sup>	
<b>250PS90*</b> <sup>ⓔ</sup>	
<b>250PSMH</b> <sup>ⓔ</sup>	
<i>Pulse Start Metal Halide Magnetic Ballast</i>	
<b>2H, 3H, FH Optics</b>	
<b>250PSMH</b> <sup>ⓔ</sup>	
<i>Standard MH Magnetic Ballast</i>	
<b>Medium Housing</b>	
<i>2H, 3H Optics</i>	
<b>175PSMH</b> <sup>ⓔ</sup>	
<b>200MH</b> <sup>ⓔ</sup>	
<b>250PSMH</b> <sup>ⓔ</sup>	
<b>250PS90*</b> <sup>ⓔ</sup>	
<b>320PSMH</b> <sup>2</sup> <sup>ⓔ</sup>	
<b>350PSMH</b> <sup>1</sup> <sup>ⓔ</sup>	
<b>400PSMH</b> <sup>1</sup> <sup>ⓔ</sup>	
<i>FH, QH Optics</i>	
<b>175PSMH</b> <sup>ⓔ</sup>	
<b>200MH</b> <sup>ⓔ</sup>	
<b>250PSMH</b> <sup>ⓔ</sup>	
<b>320PSMH</b> <sup>2</sup> <sup>ⓔ</sup>	
<b>350PSMH</b> <sup>2</sup> <sup>ⓔ</sup>	
<b>400PSMH</b> <sup>2</sup> <sup>ⓔ</sup>	
<i>QH Optics</i>	
<b>150HPS</b>	
<b>250HPS</b>	
<b>400HPS</b>	
<i>2H, 3H, FH Optics</i>	
<b>Large Housing</b>	
<i>2H, 3H, FH Optics</i>	
<b>750PSMH</b>	
<b>875PSMH</b>	
<b>1000MH</b> <sup>1</sup>	
<i>2H, 3H, FH Optics</i>	
<b>50HPS</b>	
<b>150HPS</b>	
<b>70HPS</b>	
<b>250HPS</b>	
<b>100HPS</b>	
<i>High Pressure Sodium Magnetic Ballast</i>	

\* 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.

ⓔ

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

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

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**PHILIPS**



### FINISH

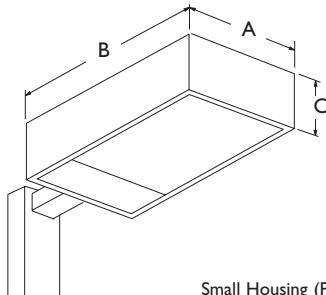
<b>BRA</b>	Bronze Anodized
<b>BLA</b>	Black Anodized
<b>NA</b>	Natural Aluminum Anodized
<b>BRP</b>	Bronze Paint
<b>BLP</b>	Black Paint
<b>NP</b>	Natural Aluminum Paint
<b>WP</b>	White Paint
<b>BGP</b>	Beige Paint
<b>OC</b>	Optional Color Paint <i>Specify Optional Color or RAL ex: OC-LGP or OC-RAL7024.</i>
<b>SC</b>	Special Paint <i>Specify. Must supply color chip.</i>

### OPTIONS<sup>5</sup>

<b>F</b>	Fusing
<b>LF<sup>7</sup></b>	In-Pole/In-Line Fusing <i>(Kit includes In-Line Fuses)</i>
<b>PCT</b>	Photocontrol Receptacle with Photocontrol <i>(Not available with 480V)</i>
<b>PCR</b>	Photocontrol Receptacle
<b>AT</b>	Adjustable Knuckle - Tenon Mount <i>(Not available with Large Housing)</i>
<b>PTF2</b>	Pole Top Fitter 2.375" X 4"
<b>PTF3</b>	Pole Top Fitter 3" - 3.5" X 6"
<b>PTF4</b>	Pole Top Fitter 3.5" - 4" X 6"

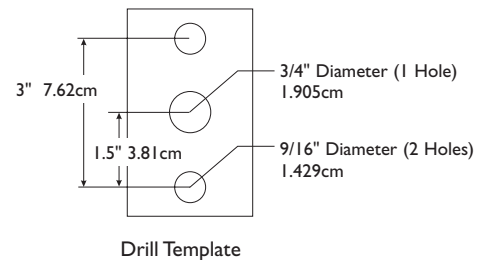
### DIMENSIONS AND EPA

Dimensions (In./cm)					EPA - Effective Projected Area (ft <sup>2</sup> / m <sup>2</sup> )					
Housing Size	A Width	B Depth	C Height	D	1 Single Arm	2 Twin, 180°	2@90 Twin, 90°	3 Triple, 90°	3@120 Triple, 120°	4 Quad
PAES (Small)	15 / 38.1	21 / 53.34	6.6 / 16.764	47 / 21.32	1.62 / .151	3.24 / .302	3.24 / .302	4.25 / .395	4.25 / .395	4.25 / .395
PAEM (Medium)	20 / 50.8	27 / 68.58	6.6 / 16.764	60 / 27.22	2.79 / .260	5.58 / .519	5.58 / .519	7.70 / .716	7.70 / .716	7.70 / .716
PAEL (Large)	24 / 60.96	31 / 78.74	11.3 / 28.702	93 / 42.19	3.45 / .321	6.90 / .642	6.90 / .642	8.80 / .818	8.80 / .818	8.80 / .818



#### Arm Length and Size

	1 or 2 way 90° Mounting		Size
Small Housing (PAES)	6" / 15.24cm	9" / 22.86cm	2" X 5" / 3.08cm x 12.7cm
Medium Housing (PAEM)	9" / 22.86cm	12" / 30.48cm	2" X 5" / 3.08cm x 12.7cm
Large Housing (PAEL)	12" / 30.48cm	12" / 30.48cm	2" X 8" / 3.08cm x 20.32cm



**SPECIFICATIONS****GENERAL DESCRIPTION:**

The Infinity II is a rectangular full cutoff luminaire for high intensity discharge lamps. Internal components are totally enclosed, rain-tight, dust-tight and corrosion resistant. Arm mounted units attach to pole with no visible hardware or welding.

**HOUSING:**

Extruded housings feature four precisely mitered aluminum side sections. The top piece is sheet aluminum, crowned for strength and water runoff. The top is secured to the housing and sealed for weathertight integrity.

**LENS:**

A mitered, extruded, anodized aluminum door frame retains the optically clear, heat and impact resistant, tempered flat glass in a sealed manner. Access to the housing requires no tools.

**OPTICAL SYSTEMS:**

The segmented reflector system consists of individually formed aluminum facets precisely aligned to provide IES Type II, Type III, Type V Square or Forward Throw lighting distributions.

**MOUNTING:**

Lampholders are glazed porcelain with nickel plated screw shells. Luminaires are designed for mogul base lamps except 150W and lower metal halide units, which feature medium base lampholders. All mogul base lampholders in metal halide units are position oriented. HPS and MH units all feature pulse-rated lampholders.

**ELECTRICAL:**

Each high power factor ballast is the separate component type, capable of providing reliable lamp starting down to -20° F. 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 150°C or higher. Plug disconnects are listed by UL for use at 600VAC, 15A or higher.

**FINISH:**

Extruded units are offered with natural, bronze or black non-fading anodized finish applied after fabrication. Powdercoat finishes are also available.

**LABELS:**

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

**WARRANTY:** Luminaires in the Emco product family feature a 1 year limited warranty. See Warranty Information on [www.sitelighting.com](http://www.sitelighting.com) 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.

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