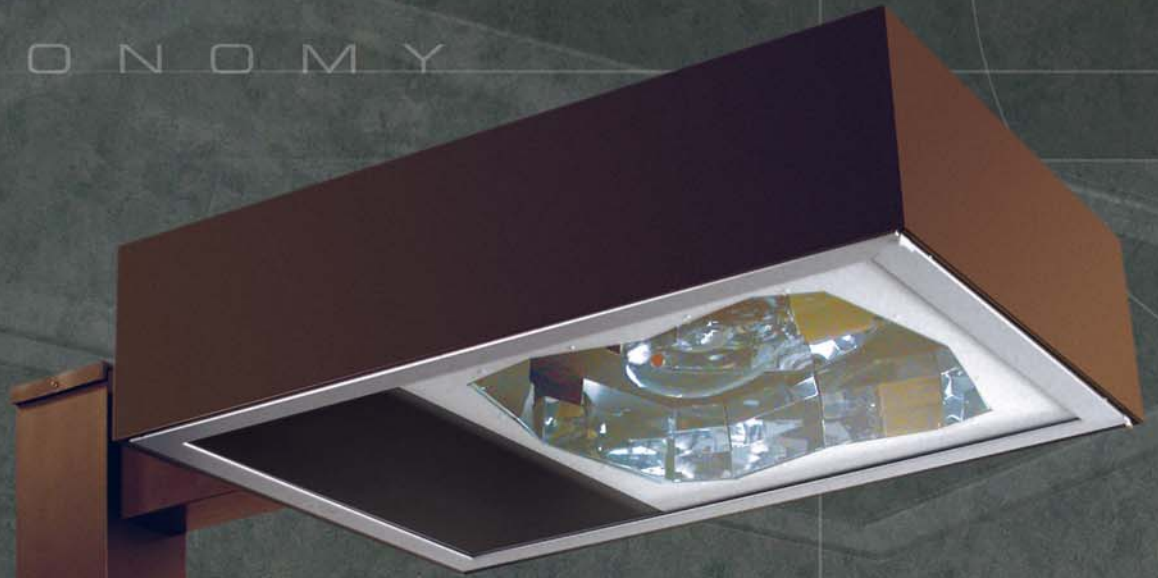


INFINITY II

S I T E L I G H T I N G

E C O N O M Y



E F F I C I E N C Y

V A L U E

PHILIPS



EMCO

INFINITY II

With its four distribution patterns, three housing sizes, numerous mounting configurations and wattages ranging from 50 to 1000 watts, the Infinity II from Philips EMCO is a truly versatile and efficient luminaire for area and roadway illumination.



Sleek Rectilinear Shape

The clean, crisp rectangular shape of the Infinity II is designed to complement your architectural vision without sacrificing photometric performance. Housings are manufactured with rugged extruded aluminum sides, with mitered corners and a formed aluminum sheet top pan.

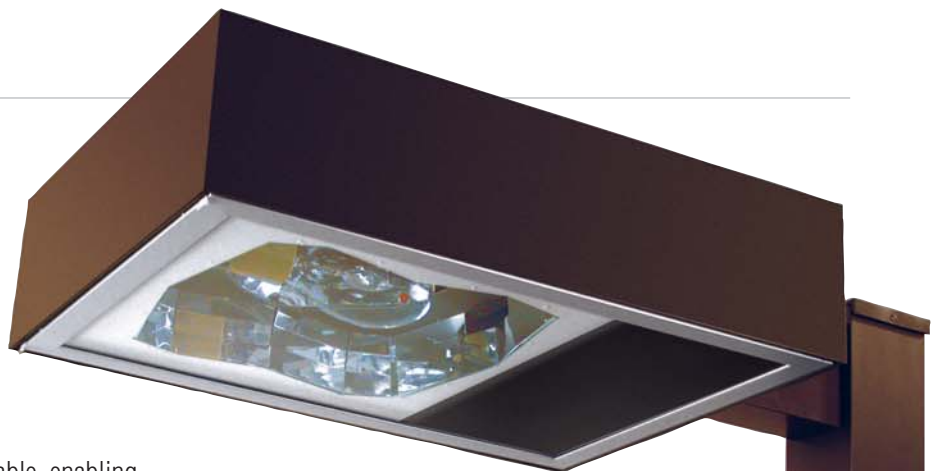
Engineered for Value

All units are thoroughly sealed and gasketed throughout preventing intrusion of moisture, dust, pollutants, and insects. The extruded aluminum door frame and impact resistant flat, clear tempered glass lens has a one-piece extruded silicone gasket to ensure a sealed enclosure.

Excellent Photometric Performance

Four (4) segmented, faceted aluminum optical systems are available, providing precise and usable photometric distribution patterns, maximum light control and high levels of illumination. Lumen packages up to 1000MH allow for higher mounting and greater spacing between poles. The horizontally positioned lamps result in a IESNA full cutoff, "Dark Sky friendly" luminaire.





Economy Without Compromise

The Infinity II contains many of the features that you'd expect from Philips EMCO. All optics are rotatable, enabling pole placement and orientation to be independent from light distribution. Optics are also interchangeable, allowing for simple replacement should traffic patterns change. Electrical components feature a unitized ballast tray allowing for easy installation and maintenance. Luminaires are finished with a TGIC powdercoat in a wide variety of colors or may be anodized for superior protection against the elements.

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. All distributions meet IES cutoff criteria.

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 600 VAC, 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 fixtures bear UL or CUL (where applicable) Wet Location labels.

INFINITY II

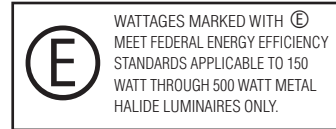
ORDERING

Example	PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
	PAEM	1	3H	400HPS	277	BRP	F
	PAES <i>Small Housing</i>	1 Single Assembly	<i>Horizontal Lamp</i>	<i>See Chart Below</i>	120	BRP Bronze Paint	F Fusing
	PAEM <i>Medium Housing</i>	2 Twin @ 180°	<i>All Housing Sizes</i>	208	BLP Black Paint	LF In-Pole/In-Line Fusing <i>(Kit includes In-Line Fuses.)</i>	
	PAEL <i>Large Housing</i>	2@90 Twin @ 90°	2H Type II	240	WP White Paint	PCT Locking Type Photocontrol Receptacle with Photocontrol <i>(Not available with 480V.)</i>	
		3 Triple @ 90°	3H Type III	277	NP Natural Aluminum Paint	PCR Locking Type Photocontrol Receptacle	
		3@120 Triple @ 120°	FH Type IV Forward Throw	347	OC Optional Color Paint <i>Specify RAL designation as shown in Color Selection Guide. Ex. OC-RAL7024.</i>	AT Adjustable Knuckle - Tenon Mount <i>(Not available in Large Housing.)</i>	
		4 Quad Assembly	<i>Medium Housing Only</i>	480	SC Special Color Paint <i>Must supply color chip.</i>	PTF2 Pole Top Fitter 2 3/8" X 4"	
		WA Wall Mount with Arm <i>(Small or Medium Housing only)</i>	QH Type V		BRA Bronze Anodized	PTF3 Pole Top Fitter 3" - 3 1/2" X 6"	
					BLA Black Anodized	PTF4 Pole Top Fitter 3 1/2" - 4" X 6"	
					NA Natural Aluminum Anodized		

WATTAGE

	SMALL HOUSING		MEDIUM HOUSING		LARGE HOUSING
	<i>2H, 3H, FH Optics</i>		<i>All Optics</i>	<i>QH Optics Only</i>	<i>2H, 3H, FH Optics</i>
PULSE START MH MAGNETIC BALLAST	70MH	175PSMH [ⓔ]	320PSMH ¹ [ⓔ]	175PSMH [ⓔ]	750PSMH
	100MH	250PSMH [ⓔ]	350PSMH ¹ [ⓔ]	250PSMH [ⓔ]	
	150MH		400PSMH [ⓔ]		
STANDARD MH MAGNETIC BALLAST*	175MH*	250MH*	400MH*	175M*	1000MH
				250MH*	
HIGH PRESSURE SODIUM MAGNETIC BALLAST	50HPS	150HPS	250HPS	150HPS	750HPS
	70HPS	250HPS	400HPS		1000HPS
	100HPS				

* 175MH, 250MH AND 400MH NOT AVAILABLE FOR SALE IN THE UNITED STATES.

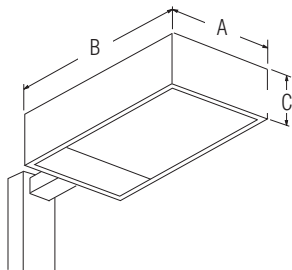


Prior to ordering, consult Submittal Data Sheet on sitelighting.com for the most current information, notes and exclusions. Philips EMCO now also offers its complete catalogue on a web enabled and easy to carry flash drive. Contact your sales representative for more information.

1. Requires E28 / BT28 lamp.

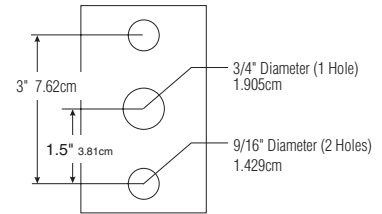
DIMENSIONS

Dimensions (In./cm)	Weight (Lbs./kg)	EPA - Effective Projected Area (ft ² / m ²)								
		1	2	2@90	3	3@120	4			
Housing Size	A Width	B Depth	C Height	D	Single Arm	Twin, 180°	Twin, 90°	Triple, 90°	Triple, 120°	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



Drill Template

PHILIPS



Philips EMCO 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.

1611 Clovis Barker Road
San Marcos, TX 78666
512/753-1000
800/227-0758
Fax: 512/753-7855
www.sitelighting.com



Philips EMCO luminaires feature a 1 year limited warranty. See Warranty Information on www.sitelighting.com for complete details and exclusions.

