

E C O N O M Y



E F F I C I E N C Y

V A L U E

AVAROUND

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



AVAROUND

NEW SHAPE, SAME UNCOMPROMISING QUALITY

Drawing on the strength of EMCO's Avalume, the Avaround offers a soft-edge, low-profile contemporary look to both day and nighttime environments. It smartly updates the aesthetic without compromising the unmistakable quality for which EMCO is recognized.

ECONOMY WITHOUT COMPROMISE

EMCO engineers have designed Avaround with both efficiency and economy as guiding principles. To begin, Avaround can be mounted in single, twin, three-way and quad configurations, allowing designers to locate luminaire packages around a site in a practical and economical fashion. Avaround can be mounted at heights up to 30' with wattages to 400 watts. This combination, along with EMCO's superior optical systems, significantly lengthens the distance required between poles. The result: uncompromised uniform illumination and both initial and long-term maintenance savings.



Weather-Protected Construction

Avaround is completely sealed at all points of material transition to exclude the intrusion of rain, insects and dust. Because the upper and lower housings are single die castings, the only points of entry are the door frame and lens. When the door frame is closed, the 1/8" gasketing is compressed, forming a continuous, positive seal. The lens is sealed to the frame. Heavy-duty galvanized steel retainers secure the lens.



The Avaround is also capable of seamlessly mounting to a davit arm or mast arm pole. Specify the mast arm fitter (MF) option for use with these applications.

When vandal resistance is a primary concern, Avaround also offers considered solutions. Vandal-resistant options include a stainless steel wire guard and a polycarbonate lens (used in tandem with the standard tempered glass lens).



Seamless Transitions, Concealed Hardware

Scale and proportion are correct and satisfying from every viewing angle. Surfaces are sculptural, natural, refined. There are no visible transitions between luminaire door frame and the supporting arm. There is no visible hardware.

Thoughtful Engineering. Easy Access.

The arrangement of components, hardware, hinging mechanisms and material transitions all speak to the integrity of the design and construction program.

EFFICIENCY BY DESIGN

Avaround's sleek form helps the luminaire cheat the wind, resulting in remarkably low Effective Projected Area (EPA). The luminaire housing is two-piece die cast aluminum and is designed not only for aesthetics, but also to help lower operating temperatures. The unitized ballast is attached directly to the housing, creating a heat sink that lowers operating temperatures. The result is longer-lasting ballasts. The lens is tempered flat glass secured to the door frame with a silicone gasket to keep out unwanted elements such as insects, dust and moisture, again to ensure a long-lasting, maintenance-free fixture luminaire.

EMCO PERFORMANCE FULL CUTOFF OPTICS

The quality of a cutoff luminaire is measured by how well it controls and distributes light. The optical reflector system of the Avaround adds yet another dimension to the performance and economy of the luminaire. Precisely aligned to distribute light in controlled patterns, this engineered optical system provides high efficiencies, uniform distribution and superior brightness control in Type 3, Type 5 and Type F distributions. Full cutoff is also essential, and Avaround delivers full cutoff performance, along with the options of adding house side shielding for sites adjacent to residential locations.

AVAROUND ORDERING

PREFIX	CONFIGURATION	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS
AVR	1	3	100HPS	120V	BRP	HS
AVR	1 Single Pole Mount	3 IES Type III	100HPS'	120	BRP = Bronze Paint	HS
	2 Twin Pole Mount at 180°	F IES Type IV Forward Throw	150HPS'	208	BLP = Black Paint	LF
	2@90 Twin Pole Mount at 90°	<i>NOTE: Type III reflectors ship as Type F. Removal of an insert converts the reflector to Type 3.</i>	250HPS	240	WP = White Paint	PC
	3 3-way Pole Mount at 90°	5 IES Type V	400HPS	277	NP = Natural Aluminum Paint	PCR
	3@120° 3-way Pole Mount at 120°	MTS Medium Throw with Solite™ Lens <i>Fluorescent only</i>	100MH'	347	BGP = Beige Paint	MF
	4 4-way Pole Mount		150MH'	480	OC = Optional Color Paint <i>Specify RAL designation. Ex: OC-RAL7024.</i>	PTF2
	W Wall Mount		175MH	UNIV <i>Fluorescent only</i>	SC = Special Color Paint <i>Must supply color chip.</i>	PTF3
	WS Wall Mount with Surface Conduit		250MH			PTF4
			400 MH'			QS
			250PSMH			QST
			320PSMH'			WG
			350PSMH'			POLY
			400PSMH'			RPA1

MH – Metal Halide • PSMH - Pulse Start Metal Halide
HPS – High Pressure Sodium • CF – Compact Fluorescent
TRF – Triple Tube Fluorescent

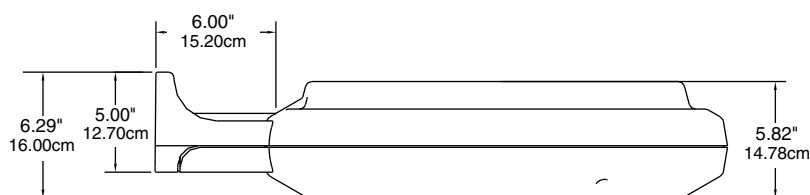
Note: Type III reflectors ship as Type F. Removal of an insert converts the reflector to Type 3.
1. Requires BT28 / E28 mogul base lamp.
2. Fluorescent luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz input. Specify "UNIV" voltage for 120V through 277V.

Prior to ordering, consult submittal data sheet on www.sitelighting.com for the most current information.
As part of the continuous improvement process, EMCO reserves the right to change materials or modify the design of its product without modification.

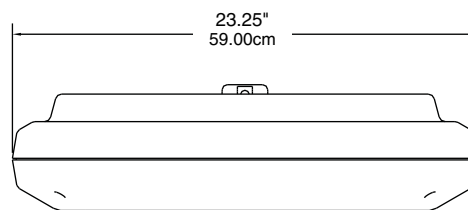
Options

- HS** External House Side Shield
- LF** In-Pole/In-Line Fusing *Kit includes In-Line Fuses.*
- PC** Locking Type Photocontrol Receptacle
w/Photocontrol Not available with 480V.
- PCR** Locking Type Photocontrol Receptacle
- MF** Mast Arm Fitter *Requires 2.375" OD Mast Arm.*
- PTF2** Pole Top Filter 2.375" X 4"
- PTF3** Pole Top Filter 3" - 3.5" X 6"
- PTF4** Pole Top Filter 3.5" - 4" X 6"
- QS** Quartz Standby *HID only. 150W Quartz maximum.
Not available with 480V.*
- QST** Quartz Standby - Timed Delay *HID only.
150W Quartz maximum. Not available with 480V.*
- WG** Wire Guard
- POLY** External Polycarbonate Shield *250w maximum.*
- RPA1** Round Pole Adaptor *3.1" to 3.7" OD.*

DIMENSIONS



Maximum Overall Length (Including Arm) – 29.25" (74.30cm)



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EPA		
1	2	3/4
.50 ft²	1.00 ft²	1.25 ft²
.047 m²	.093 m²	.117 m²
With House Side Shield		
1	2	3/4
.60 ft²	1.20 ft²	1.45 ft²
.056 m²	.112 m²	.135 m²