

AVALUME

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

Emco Lighting is a Philips group brand

PHILIPS

AVALUME

One look and it's obvious. Site lighting has a sleek new look. A look that immediately says quality. Instant impact both by day and by night. It's Avalume, from Emco.

ECONOMY WITHOUT COMPROMISE

Avalume will cast a long shadow. First, because its two-piece housing is die cast. The mounting arm is an integral component of the die castings, suitable for mounting to both round and square poles. Second, that long shadow will be cast from luminaires with highly efficient lighting distributions... high lumen packages to 400w enable a significantly higher mounting and greater distance between poles. The result is big savings in initial project and long-term maintenance costs.

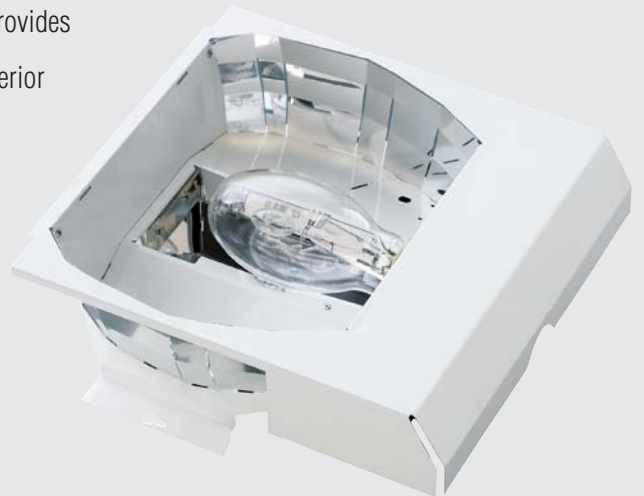


Note eased edges at every corner to reduce EPA wind loading and the clean transition from luminaire to pole... it's clear that this is the most thoughtful approach to value-priced luminaires to date.



EFFICIENCY WITHOUT COMPROMISE

The quality of a full cutoff luminaire is measured by how well it controls and distributes light. The optical reflector system of the Avalume adds another dimension to the performance and economy of the luminaire. Precisely aligned to distribute light in controlled patterns, this sophisticated segmented optical system provides high efficiencies, uniform distribution and superior brightness control. IES Types III, IV and V distributions are offered. Glare is of course minimized at normal viewing angles. The system is also customizable, minimizing backlight via a house-side shield for applications such as sites adjacent to residential locations.



Twin Avalume shown in black (BLP)



VALUE WITHOUT COMPROMISE

The Avalume's sleek shape is a refreshing, softer form that both cheats the wind and strengthens the assembly. The two-piece die cast aluminum housing is ribbed not only to enhance an already stunning sculpted form, but to act as a heat sink to help lower ballast operating temperatures and extend service life. The tempered flat-glass lens is mated to the luminaire with silicone gaskets to keep out unwanted elements such as insects, dust and moisture and ensure a long-lasting, maintenance-free luminaire.

The Avalume 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, Avalume also offers solutions. These luminaires are available with vandal resistant options that include a stainless steel wire guard, polycarbonate lens (used in tandem with the standard tempered glass lens) and tamper-resistant hardware.

AVALUME VERTICAL

The Avalume Vertical offers the high quality of the Emco Avalume while adding a vertically positioned lamp that minimizes direct downlight and maximizes performance. The result is a stylized full cutoff rectilinear area luminaire that enhances a site's aesthetics, cheats the wind and allows even wider on-center spacing. Wider spacing means fewer lamps and fewer poles, leading to cost savings for both initial installation and ongoing operation. The vertical lamp also distributes the required light uniformly from lower pole heights, further reducing costs.

Avalume Vertical shown in bronze (BRP)



AVALUME ORDERING

Example	PREFIX	MOUNTING	DISTRIBUTION	WATTAGE	VOLTAGE	FINISH	OPTIONS ⁶
	AVA	1	3	175PSMH	120	BRA	F
	AVA Horizontal Lamp	1	AVA - Horizontal Lamp	<i>See Chart Below</i>	120	BRP Bronze Paint	HS⁶ External House Side Shield
		2	3		208	BLP Black Paint	LF⁷ In Pole/In Line Fusing
	AVV Vertical Lamp	2@90	F		240	WP White Paint	PC⁸ Locking Type Photocontrol Receptacle w/Photocontrol
		3	5		277	NP Natural Aluminum Paint	PCR Locking Type Photocontrol Receptacle
		3@ 120	MTS		347	BGP Beige Paint	MF⁹ Mast Arm Fitter
		4	AVV - Vertical Lamp		480	OC Optional Color Paint <i>Specify RAL designation, ex: OC-RAL7024.</i>	PTF2 Pole Top Fitter 2.375" x 4"
		W	3V		UNIV <i>Fluorescent Only.</i>	SC Special Color Paint <i>Specify. Must supply color chip.</i>	PTF3 Pole Top Fitter 3"-3.5" x 6"
		WS	FV				PTF4 Pole Top Fitter 3.5"-4" x 6"
			5V				QS¹⁰ Quartz Standby
							QST¹⁰ Quartz Standby - Timed Delay
							Q924¹⁰ Quartz Emergency
							QT924¹⁰ Quartz Emergency - Timed Delay
							WG Wire Guard
							POLY¹¹ External Polycarbonate Shield
							TB Terminal Block

MOUNTING

1	Single Pole Mount
2	Twin Pole Mount @ 180°
2@90	Twin Pole Mount @ 90°
3	3-way Pole Mount @ 90°
3@120	3-way Pole Mount @ 120°
4	4-way Pole Mount @ 90°
W	Wall Mount
WS	Wall Mount w/Surface Conduit

DISTRIBUTION

3	IES Type III <i>Horizontal Lamp</i>
F	IES Type IV Forward Throw <i>Note: Type 3 Reflectors ship as Type F Removal of an insert converts it to Type 3.</i>
5	IES Type V
MTS	Medium Throw w/Solite™ Lens <i>Fluorescent only.</i>

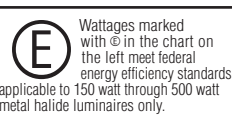
Vertical Lamp

3V	IES Type III <i>Note: Type 3V Reflectors ship as Type FV. Removal of an insert converts it to Type 3V. Type 3V/FV optics are rotatable in 90° increments.</i>
FV	IES Type IV Forward Throw
5V	IES Type V

WATTAGE

	100MH ^{1,2}	250PSMH ¹ (E)	400PSMH ¹ (E)
Pulse Start MH Magnetic Ballast	150MH ¹	320PSMH ¹ (E)	
Standard MH Magnetic Ballast	175PSMH ¹ (E)	350PSMH ¹ (E)	
High Pressure Sodium Magnetic Ballast	150HPS	250HPS	400HPS
Compact Fluorescent Electronic Ballast	(2)60CF ^{2,3,4}	(3)42TRF ^{2,3,4}	

* 175MH, 250MH and 400MH not available for sale in the United States.



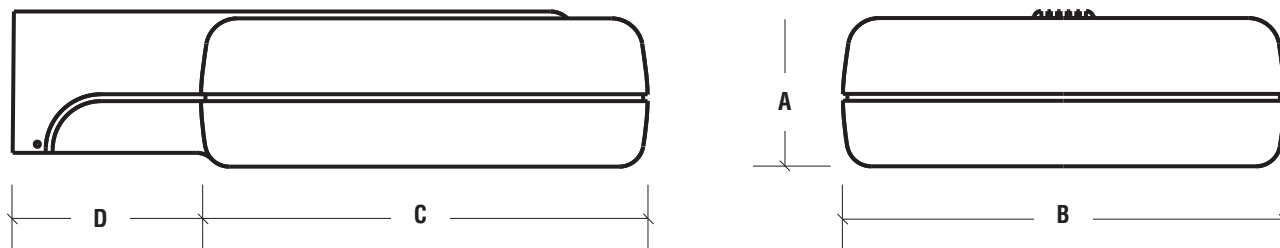
NOTES:

- Requires BT28 / E28 mogul base lamp.
- AVA Horizontal Lamp versions only. Not Available w/Vertical Lamp
- Fluorescent luminaires feature electronic ballasts that accept 120V through 277V, 50hz to 60hz, input. Specify "UNIV" voltage for 120V through 277V.
- Fluorescent types available in MTS optics only.
- Luminaires shipped complete from stock require field installation of all options.
- Supplied standard in black only.
- Kit includes In-Line Fuses.
- Not available with 480V.
- Requires 2 3/8" O.D. Mast Arm.
- See QS/Q924 Table below.
- 250 watt maximum.

(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

QS, QST, Q924 and QT924 options not available with 480V.

DIMENSIONS



DIMENSIONS				
	A	B	C	D
HORIZONTAL	5.38" 13.70 cm	16.00" 40.60 cm	16.50" 41.90 cm	6.83" 17.40 cm
VERTICAL	10.50" 26.67 cm	16.25" 41.28 cm	16.50" 41.90 cm	6.60" 16.77 cm

EPA - HORIZONTAL			EPA - VERTICAL		
1	2	3/4	1	2	3/4
1.1 ft ² 0.10 m ²	2.2 ft ² 0.20 m ²	2.7 ft ² 0.25 m ²	1.3 ft ² 0.13 m ²	2.6 ft ² 0.25 m ²	3.2 ft ² 0.31 m ²
with House Side Shield					
1.2 ft ² 0.11 m ²	2.2 ft ² 0.20 m ²	3.2 ft ² 0.30 m ²	1.5 ft ² 0.15 m ²	2.8 ft ² 0.27 m ²	4.4 ft ² 0.41 m ²

Emco Warranty

Emco luminaires feature a one year limited warranty. For full warranty information please visit sitelighting.com. Emco Lighting 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.

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