



Avalume

Site & area luminaire

PHILIPS
Stonco

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 Philips Stonco.

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.

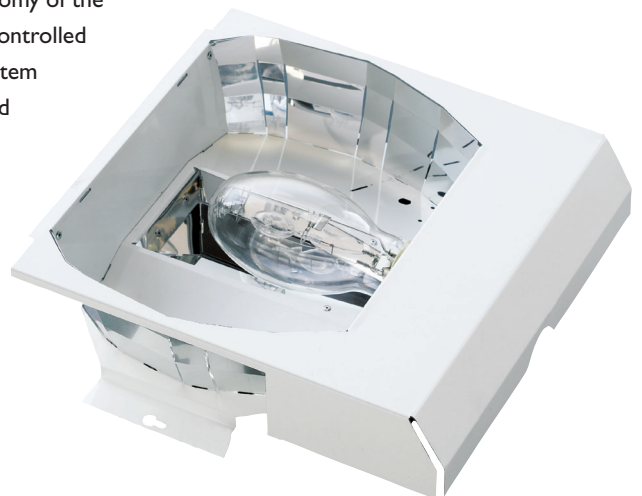


Note eased edges at every corner to reduce EPA wind loading and the clean transition from luminaire to pole... it's clear that this is the most thoughtful approach to value-priced luminaires to date.



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 Ordering Guide

Prefix	Mounting	Distribution	Wattage	Voltage	Finish	Options ⁵
AVA	1	3	175PSMH	120	BRP	F
AVA Horizontal Lamp	1	3 AVA - Horizontal Lamp	175PSMH See Chart Below	120	BRP Bronze Paint	HS⁶ External House Side Shield
AVV Vertical Lamp	2	F	208	208	BLP Black Paint	LF⁷ In-Pole/In-Line Fusing (Kit includes In-Line Fuses)
	2@90	5	240	240	WP White Paint	PC⁸ Locking Type Photocontrol Receptacle with Photocontrol
	3	MTS	277	277	NP Natural Aluminum Paint	PCR Photocontrol Receptacle
	3@120	AVV - Vertical Lamp	347	347	BGP Beige Paint	MF⁹ Mast Arm Fitter
	4	3V	480	480	OC Optional Color Paint Specify RAL designation as shown in Color Selection Guide, Ex. OC-RAL7024.	PTF2 Pole Top Fitter 2.375" X 4"
	W	FV	UNIV (Fluorescent only)		SC Special Color Paint Must supply color chip	PTF3 Pole Top Fitter 3" - 3.5" X 6"
	WS	5V				PTF4 Pole Top Fitter 3.5" - 4" X 6"
Mounting						
1	Single Assembly	3	Horizontal Lamp	3V	IES Type III	QS¹⁰ Quartz Standby
2	Twin @ 180°	F	IES Type IV	FV	IES Type IV Forward Throw	QST¹⁰ Quartz Standby - Timed Delay
2@90	Twin @ 90°		Type 3 Reflectors ship as Type F. Removal of an insert converts it to Type 3.		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.	Q924¹⁰ Quartz Emergency
3	Triple @ 90°	5	IES Type V	5V	IES Type V	QT924¹⁰ Quartz Emergency - Timed Delay
3@120	Triple @ 120°	MTS	Medium Throw w/Solite Lens Fluorescent only.			WG Wire Guard
4	Quad Assembly					POLY¹¹ External Polycarbonate Shield
W	Wall Mount					TB Terminal Block
WS	Wall Mount w/ Surface Conduit					

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.

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

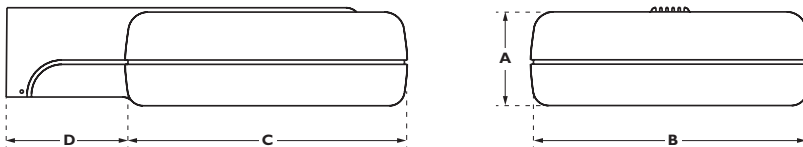
* 175MH, 250MH and 400MH not available for sale in the United States.

ⓔ Wattages marked with ⓔ in the chart on the left meet federal energy efficiency standards applicable to 150 watt through 500 watt metal halide luminaires only.

(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



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