

ENVIRON AREA LIGHTING

300W-480W LED LUMINAIRES



Description

Venture Lighting's Environ area light fixtures couples a sleek, reliable design with precise ANSI optical distributions to make them the ideal upgrade for area/site, roadway, and automotive applications. Perfect for new construction or easy replacement of existing installations.

Performance

- CCT options: 3000K, 4000K or 5000K; CRI: 70
- Universal 120-277V or 347-480V 50/60 Hz input

Electrical

The drivers have a range of 120-277V, 50/60 Hz or 347-480V input. LED driver is isolated from the LED light engine for enhanced driver reliability. 0-10V DC dimming capability is standard. The luminaires are rated for wet locations. Each fixture has a built-in 10kA surge protector. Each fixture is supplied with a 7-pin receptacle and a shorting cap.

Construction

Rugged die cast housing finished in a durable powder coat finish and with vandal resistant polycarbonate lens. To ensure weather-tight protection, each optical assembly is sealed with a silicone gasket. Luminaires are rated for an ambient operating temperature range of -40°C to 40°C.

Mounting

Twistlock photocell accessory can easily be mounted onto the fixture. The fixture is designed for use with various mounting accessories: Square and round pole arms, slipfitter or mast arm. The slipfitter and the mast arm fit a 2-3/8" tenon. All mounting accessories are ordered separately.

Controls

- Synapse wireless controls available
- Factory installed motion sensor
- Standard 0-10V DC dimming

Warranty

- 5-year limited warranty

Compliance

- cULus Listed
- DLC Certified
- UL Rated for wet locations
- BAA/TAA, available upon request

Catalog Number
Type
Date
Notes



Shown with Square pole straight arm



Electrical

Wattage	Amps (Max)		Replaces Existing HID Wattages
	120-277V	347-480V	
300W	4.4	1.5	Up to 1000W
480W	5.7	2	Up to 1000W

Ordering & Model Number Information

Choose nomenclature that suits application. Example: **ENV2-300A-7CT3-BZP7SH**

Series	Wattage	Voltage	CRI	CCT	Distribution	Finish	Receptacle	Accessory
ENV2	300 480	A = 120-277V B = 347-480V	7 = 70	C = 5000K N = 4000K ¹ W = 3000K ¹	T3 = Type 3 T4 = Type 4 T5 = Type 5 TT = Tennis FA = Automotive Front Row	BZ = Bronze BK = Black ¹ GR = Gray ¹ WH = White ¹	P7 = 7-Pin (standard)	Blank = None SH = Backlight Shield ² M1 = 120-277V Motion/Dim/Photocell M3 = 347-480V Motion/Dim/Photocell

Notes: 1 Limited Stocked Quantities
2 Available on T3,T4,TT,FA Distributions

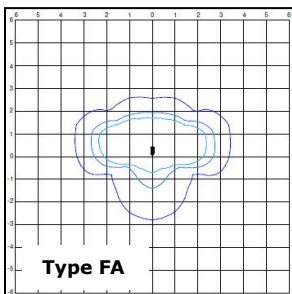
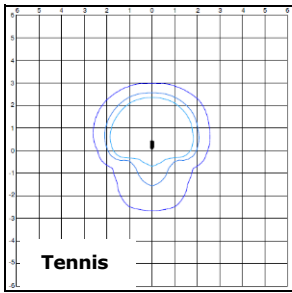
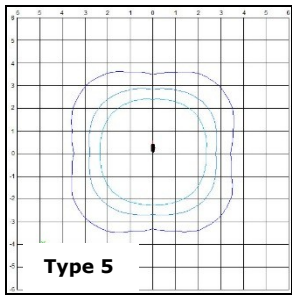
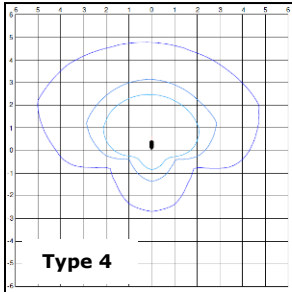
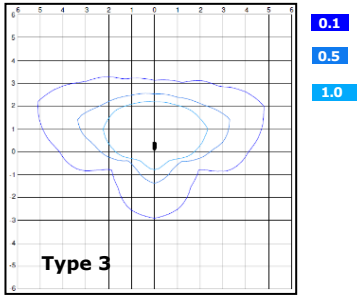
Accessories

Mounting Accessories		Weight Accessory		Photocell Accessories		Wireless Controls Accessories	
Part#	Description	(lbs)	EPA (ft ²)	Part#	Description	Part#	Description
EN14628	Round pole straight arm - bronze	5.0	0.20	PH12415	3-Pin Twist lock photocell (120-277V)	WCN-7P-UNV	Synapse® Twist lock controller
EN27395	Square pole mount - bronze	2.0	0.19	PH81156	3-Pin Twist lock photocell (480V)	WCG-450	Synapse® Gateway
EN36717	Adjustable slipfitter - bronze	3.6	0.24	PH87145	3-Pin Twist lock photocell (347V)	Miscellaneous Accessories	
EN38159	Mast arm (Horizontal tenon) - bronze	6.7	0.21	PH81975	Replacement shorting cap	Part#	Description
						SP12714	120-277V surge protector
						SP12826	347-480V surge protector

ENVIRON AREA LIGHTING 300W – 480W

Photometrics

300W Mounted at 30ft
Grid is multiples of Mounting Height



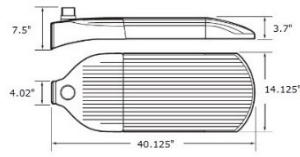
Performance Data

Wattage	Distribution Type	BUG	3000K Lumens	4000K Lumens	5000K Lumens	CRI	Lumen Maint. @ 50,000 Hours ¹	Calc. L70@25C Amb.(hrs) ¹
300W	Type III	B3-U3-G5	38,032	39,838	42,896	70	88%	142,000
	Type IV	B3-U3-G5	38,332	40,153	43,235			
	Type V	B5-U3-G4	40,192	42,101	45,333			
	Type T	B3-U3-G3	40,763	42,699	45,976			
	Type FA	B3-U3-G3	40,880	42,822	46,109			
480W	Type III	B4-U3-G5	60,214	63,074	67,915	70	88%	142,000
	Type IV	B4-U3-G5	60,690	63,572	68,451			
	Type V	B5-U3-G5	63,634	66,657	71,773			
	Type T	B4-U3-G4	64,537	67,603	72,792			
	Type FA	B4-U3-G4	64,724	67,798	73,002			

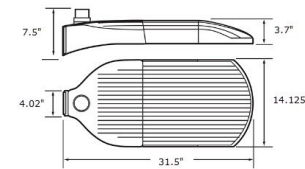
¹ Lumen maintenance data is based on LED testing per IESNA LM-80-08 and projected per IESNA TM-21-11

Dimensions

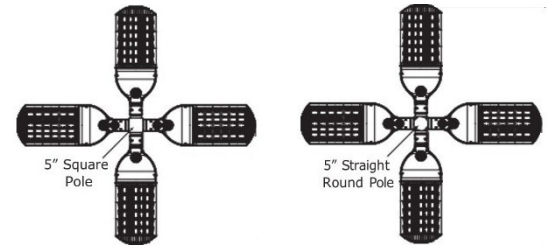
480W Weight: 63lb. (28.6kg)



300W Weight: 37.47lb. (17kg)

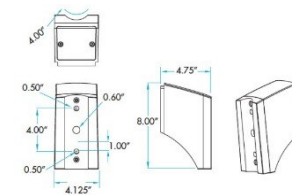


Pole Configuration – 5" or larger

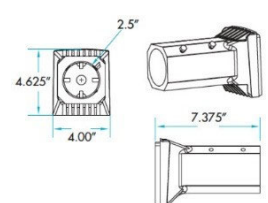


Mounting Arm Options

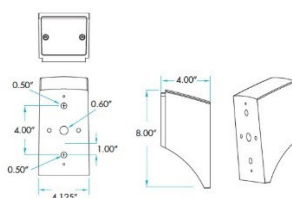
EN14628



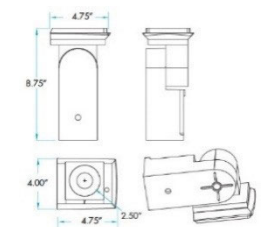
EN38159



EN27395



EN36717



Environmental

EPA By Configuration							
Picture	Configuration	300W EPA	480W EPA	Picture	Configuration	300W EPA	480W EPA
	1	1.12	1.43		3 @ 120°	3.33	3.33
	2 @ 90°	1.59	1.9		3 @ 90°	2.71	3.33
	2 @ 180°	2.24	2.86		4 @ 90°	2.71	3.33

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