

# ENVIRON AREA LIGHTING

## 120W-200W 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 security applications. Perfect for new construction or easy replacement of existing installations.

### Performance

- CCT options: 3000K, 3500K, 4000K or 5000K; CRI: 70
- Universal 120-277V 50/60 Hz input or 347-480V input
- Assembled at Venture Lighting

### 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. A motion sensor can be factory installed.

### 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 into the fixture. The fixture is designed for use with various mounting accessories: Square and round pole arms, wall mount, 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
- Standard 0-10V DC dimming (Wattage range: 10% to 100%)

### Warranty

- 5-year limited warranty

### Compliance

- cULus Listed
- DLC Certified
- UL Rated for wet locations

Catalog Number
Type
Date
Notes



Shown with square pole straight arm

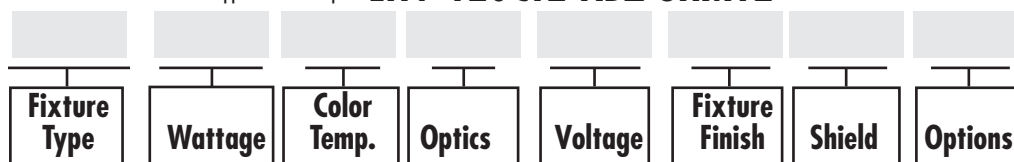


### Electrical

Wattage	Input Voltage						Replaces Existing HID Wattages
	120V	208V	240V	277V	347V	480V	
120W	1.00	0.59	0.50	0.44	0.33	0.24	175W V, 250W H
150W	1.30	0.73	0.63	0.55	0.41	0.30	250W V, 400W H
200W	1.70	0.97	0.83	0.73	0.55	0.40	400W V, 1000W H

## Ordering & Model Number Information

Choose nomenclature that suits application. Example: **ENV-120CT2-ABZ-SHM12**



- |   |                                     |                                    |   |                                       |                                      |  |  |
|---|-------------------------------------|------------------------------------|---|---------------------------------------|--------------------------------------|--|--|
| <b>ENV</b> - Venture's LED Area Fixture | <input type="checkbox"/> 120 - 120W | <input type="checkbox"/> W - 3000K | <input type="checkbox"/> T2 - Type II       | <input type="checkbox"/> A - 120-277V | <input type="checkbox"/> BZ - Bronze | "Blank" - No backlight shield                                      | "Blank" - No motion sensor   |
|   | <input type="checkbox"/> 150 - 150W | <input type="checkbox"/> B - 3500K | <input type="checkbox"/> T3 - Type III      | <input type="checkbox"/> B - 347-480V |                                      | <input type="checkbox"/> M12 - 120-277V Motion/Dim/Photocel sensor |  |
|   | <input type="checkbox"/> 200 - 200W | <input type="checkbox"/> N - 4000K | <input type="checkbox"/> T4 - Type IV       |                                       |                                      | <input type="checkbox"/> SH - Backlight shield <sup>1</sup>        | <input type="checkbox"/> M34 - 347-480V Motion/Dim/Photocel sensor |
|   |                                     | <input type="checkbox"/> C - 5000K | <input type="checkbox"/> T5 - Type V        |                                       |                                      |  |  |
|   |                                     |                                    | <input type="checkbox"/> TT - Tennis Optics |                                       |                                      |  |  |

Notes: \* 3000K color temperature and fixed mounting must be selected for IDA approval  
<sup>1</sup>= For Type III and Type IV only

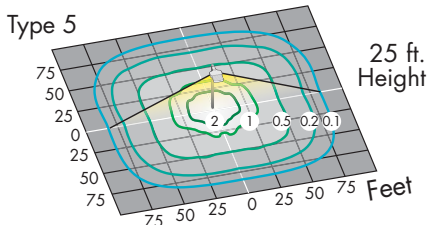
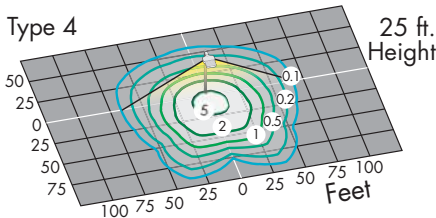
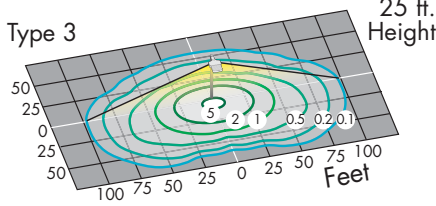
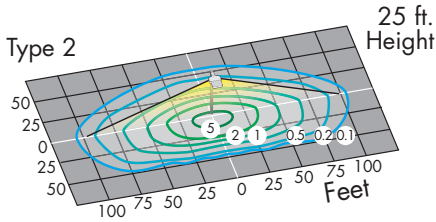
## Accessories

Mounting Accessories		Weight (lbs)	Accessory EPA (ft2)	Photocell Accessories		Wireless Controls Accessories	
Part#	Description			Part#	Description	Part#	Description
EN14178	Round pole straight arm - bronze	2.3	0.14	PH12415	3-Pin Twist lock photocell (120-277V)	WCN-7P-UNV	Synapse® Twist lock controller
EN26814	Square pole mount - bronze	2.0	0.11	PH81156	3-Pin Twist lock photocell (480V)	WCG-450	Synapse® Gateway
EN35512	Adjustable slipfitter - bronze	3.6	0.19	PH87145	3-Pin Twist lock photocell (347V)	<b>Miscellaneous Accessories</b>	
EN38419	Mast arm (Horizontal tenon) - bronze	6.7	0.13	PH81975	Replacement shorting cap	Part#	Description
EN47832	Wall mount - bronze	2.8	0.17			SP12714	120-277V surge protector
						SP12826	347-480V surge protector

# ENVIRON AREA LIGHTING 120W - 200W

## Photometrics

150W



## Environmentals

Distribution Type	B-U-G Rating	Wattage	EPA (ft <sup>2</sup> )*
Type II	B3-U0-G3	120W	0.67
Type III	B3-U0-G3	150W	0.70
Type IV	B3-U0-G2	200W	0.78
Type V	B4-U0-G3		

\* Fixture w/o mounting accessory

Picture	120W Environ Configuration	EPA (ft <sup>2</sup> )
	1	0.76
	2 @ 90°	1.16
	2 @ 180°	1.52
	3 @ 120°	1.91
	3 @ 90°	1.91
	4 @ 90°	1.91

Picture	150W Environ Configuration	EPA (ft <sup>2</sup> )
	1	0.81
	2 @ 90°	1.20
	2 @ 180°	1.62
	3 @ 120°	2.00
	3 @ 90°	2.00
	4 @ 90°	2.00

Picture	200W Environ Configuration	EPA (ft <sup>2</sup> )
	1	0.89
	2 @ 90°	1.28
	2 @ 180°	1.78
	3 @ 120°	2.18
	3 @ 90°	2.18
	4 @ 90°	2.18

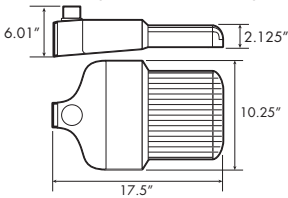
## Performance Data

Wattage	Distribution Type	3000K Color Temp.	Lumen Output			CRI	Lumen Maint. @50,000 hours†	Calc. L70@25°C Amb.(hrs)†
			3500K Color Temp.	4000K Color Temp.	5000K Color Temp.			
120W	Type II	12500	12770	13020	13560	70	99%	>500,000
	Type III							
	Type IV							
	Type V							
	Type II							
150W	Type II	16800	17400	17960	18240	70	99%	>500,000
	Type III							
	Type IV							
	Type V							
	Type II							
200W	Type II	23560	24480	25400	25690	70	99%	>500,000
	Type III							
	Type IV							
	Type V							
	Type II							

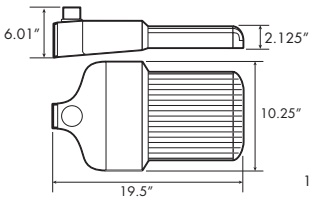
†Lumen maintenance data is based on LED testing per IESNA LM-80-08 and projected per IESNA TM-21-11

## Dimensions

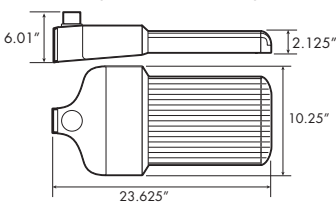
120W Weight: 13.9 lbs (6.30 kg)



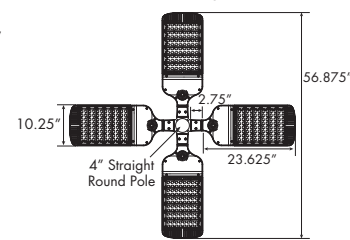
150W Weight: 15.7 lbs (7.10 kg)



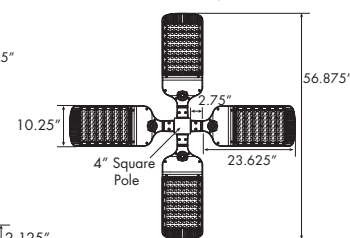
200W Weight: 18.3 lbs (8.30 kg)



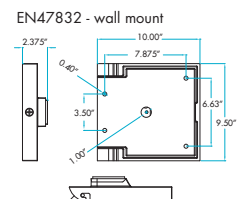
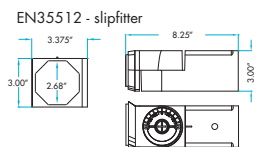
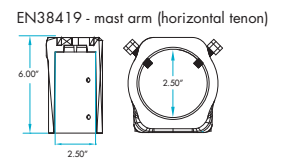
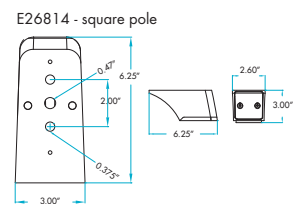
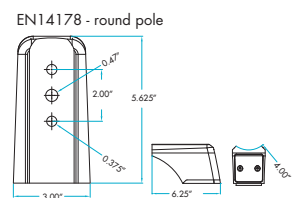
Round Pole Configuration



Square Pole Configuration



Drill Templates



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