

ENVIRON AREA LIGHTING

310W-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 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

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

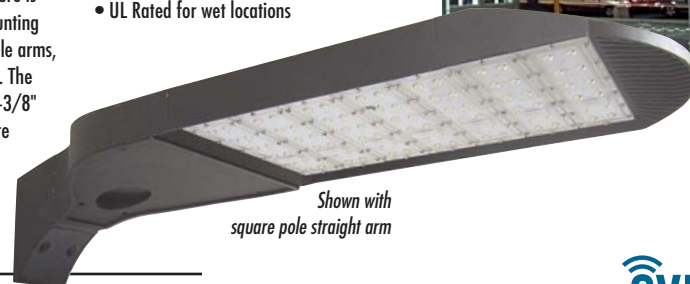
- cULus Listed
- DLC Certified
- UL Rated for wet locations

Catalog Number

Type

Date

Notes



Shown with square pole straight arm



Electrical

	120V	208V	Input Voltage		240V	277V	347V	480V	Replaces Existing HID Wattages
310W	2.60	1.50	1.30	1.20	0.95	0.70			1000W V, 1000W H
380W	3.10	1.80	1.60	1.40	1.20	0.85			1000W V, 1000W H
480W	4.00	2.30	2.10	1.70	1.40	1.10			1000W V, 1000W H

Ordering & Model Number Information

Choose nomenclature that suits application. Example: **ENV-380CT3-ABZ-SHM12**

Fixture Type	Wattage	Color Temp.	Optics	Voltage	Fixture Finish	Shield	Options
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- ENV - Venture's LED Area Fixture
- ☐ 310 - 310W
☐ 380 - 380W
☐ 480 - 480W
- ☐ W - 3000K
☐ B - 3500K
☐ N - 4000K
☐ C - 5000K
- ☐ T3 - Type III
☐ T4 - Type IV
☐ T5W - Type V Wide
- ☐ A - 120-277V
☐ B - 347-480V
- ☐ BZ - Bronze
- ☐ "Blank" - No backlight shield
☐ SH - Backlight shield¹
- ☐ "Blank" - No motion sensor
☐ M12 - 120-277V Motion/Dim/Photocell sensor
☐ M34 - 347-480V Motion/Dim/Photocell sensor

Notes: * 3000K color temperature and fixed mounting must be selected for IDA approval

¹= For Type III and Type IV only

Accessories

Mounting Accessories

Part#	Description	Weight (lbs)	Accessory EPA (ft2)
EN14628	Round pole straight arm - bronze	5.0	0.20
EN27395	Square pole mount - bronze	2.0	0.19
EN36717	Adjustable slipfitter - bronze	3.6	0.24
EN38159	Mast arm (Horizontal tenon) - bronze	6.7	0.21

Photocell Accessories

Part#	Description
PH12415	3-Pin Twist lock photocell (120-277V)
PH81156	3-Pin Twist lock photocell (480V)
PH87145	3-Pin Twist lock photocell (347V)
PH81975	Replacement shorting cap

Wireless Controls Accessories

Part#	Description
WCN-7P-UNV	Synapse® Twist lock controller
WCG-450	Synapse® Gateway

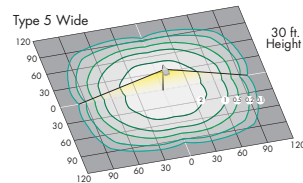
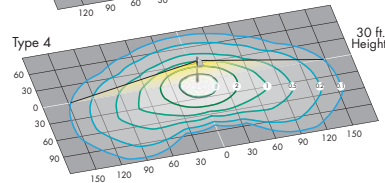
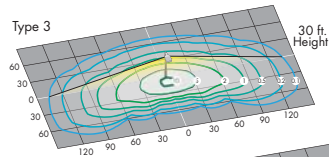
Miscellaneous Accessories

Part#	Description
SP12714	120-277V surge protector
SP12826	347-480V surge protector

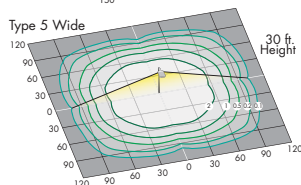
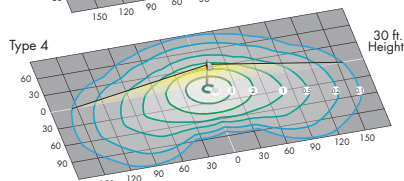
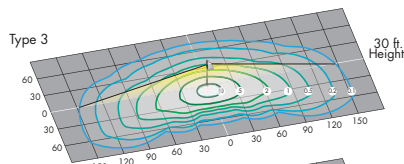
ENVIRON AREA LIGHTING 310W - 480W

Photometrics

380W



480W



Environmentals

Distribution Type	B-U-G Rating	Wattage	EPA (ft²)
Type III	B4-U0-G4	310W	1.28
Type IV	B4-U0-G5	380W	1.36
Type V	B5-U0-G5	480W	1.44

Picture	310W Environ Configuration	EPA (ft²)
	1	1.47
	2 @ 90°	1.80
	2 @ 180°	2.94
	3 @ 120°	3.35
	3 @ 90°	3.35
	4 @ 90°	3.35

Picture	380W Environ Configuration	EPA (ft²)
	1	1.55
	2 @ 90°	1.95
	2 @ 180°	3.10
	3 @ 120°	3.50
	3 @ 90°	3.50
	4 @ 90°	3.50

Picture	480W Environ Configuration	EPA (ft²)
	1	1.63
	2 @ 90°	2.10
	2 @ 180°	3.26
	3 @ 120°	3.65
	3 @ 90°	3.65
	4 @ 90°	3.65

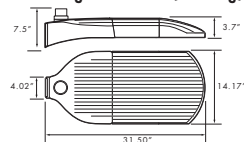
Performance Data

Wattage	Distribution Type	3000K Color Temp.	3500K Color Temp.	4000K Color Temp.	5000K Color Temp.	CRI	Lumen Maint. @50,000 hours¹	Calc. L70@25°C Amb.(hrs)¹
310W	Type III							
	Type IV	32000	32000	34000	34000	70	89%	>162,000
	Type V Wide							
380W	Type III							
	Type IV	38000	39000	41000	42000	70	89%	>162,000
	Type V Wide							
480W	Type III							
	Type IV	48500	49500	50000	54000	70	89%	>162,000
	Type V Wide							

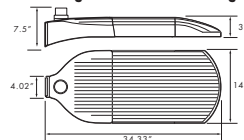
¹Lumen maintenance data is based on LED testing per IESNA LM-80-08 and projected per IESNA TM-21-11

Dimensions

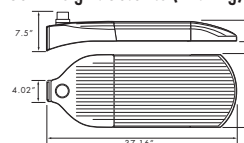
310W Weight: 40.0 lbs (18.2 kg)



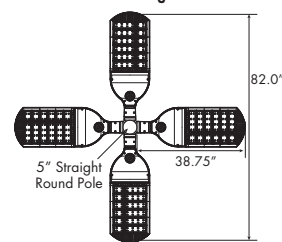
380W Weight: 45.0 lbs (20.4 kg)



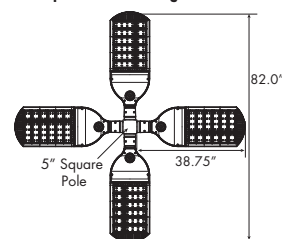
480W Weight: 50.0 lbs (22.7 kg)



Round Pole Configuration

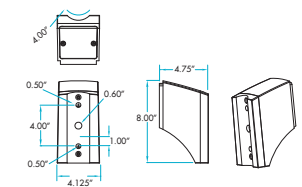


Square Pole Configuration

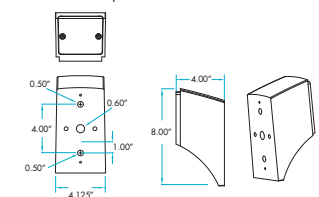


Drill Templates

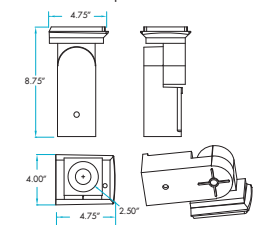
EN14628 - Round Pole



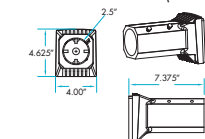
EN27395 - Square Pole



EN36717 - Slipfitter



EN38159 - Mast Arm (Horizontal Tenon)



(800) 451-2606

7905 Cochran Road, Suite 300

Glenwillow, OH 44139 USA

E-mail: Venture_Lighting@VentureLighting.com

VentureLighting.com

