

Parking / Area Light

VAL08 CCT Selectable



Specifications

Construction:

- The rugged, one-piece die-cast aluminum housing features a complete heat sink that optimizes heat dissipation through convection cooling management.
- Low profile, 3G vibration rated compact design minimizes wind load requirements.
- Housing is completely sealed against moisture and environmental contaminants.

Optics:

- Available in IES Type II, III, IV, V distributions
- Light engines are available in adjustable color temperature (3000K&4000K&5000K) configurations.
- Scalable Lumen Packages from 6,600 to 61,000 Lumens replaces up to 1000W Metal Halide.
- Optics is precisely designed to shape the distribution, maximizing efficiency and application spacing.
- The optics can conform to dark sky requirement.

Electrical:

- Universal 120-277 VAC or 347-480 VAC input voltage
- 10KA(@120-277V) or 20KA(@347-480V) surge protection
- Standard with 0-10V dimming driver
- Power adjustable: 100%, 80%, 60%, 40%.
- THD: ≤20%
- Power Factor: ≥90%

Controls:

- Optional Occupancy sensor or Microwave sensor.
- Optional Bluetooth sensor or Bluetooth controller.
- Optional NEMA 3-pin photocell or 7-pin photocell.

Ambient Temperature:

- Ambient operating temperature -40°C to 45°C (-40°F to 113°F).
- The ambient temperature of 400W is: -40°C to 40°C.

Installation:

- Suitable for mounting heights ranging from 26-50' in area lighting applications
- Round pole, Square pole, slipfitter, wall mount and yoke are available.
- The design can be operated by one person to install the whole lamp

Lifespan:

- Estimated 100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations

Finish:

- It's available in black or optional dark bronze, silvery gray or white.



Medium Size: 100W/140W/180W



Large Size: 250W/300W/400W



Certifications:

- UL wet location listed
- DesignLights Consortium™ Qualified.
Note: DesignLights Consortium™ Qualified and classified for DLC Premium, refer to www.designlights.org for details.

Note:

Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25°C (±5°C) specifications subject to change without notice.

Structural Design

Housing
The one-piece die-cast housing with corrosion-resistant coating protection and the modular design extend the life of the luminaire while making it easy to maintain.

Photometry
Optional Type II, Type III, Type IV and Type V Photometry as per applications.

Photocell
Dusk to dawn controls can be utilized via optional NEMA twist-lock photocell.





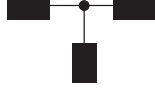
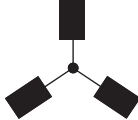

Occupancy Sensor
Optional occupancy sensor allows for security and energy saving.

CCT & POWER Adjustable
Offer four selectable lumen output (40%/60%/80%/100%), and three selectable CCTs (30K/40K/50K)

POWER	CCT
LV1	5KK
LV2	4KK
LV3	3KK
LV4	

Mounting
Optional for square, round pole mount, Slipfitter, wall mount, yoke mount. All mounting brackets are simple to operate, which can realize single operation and reduce labor costs.

EPA OF AREA LIGHT

Item							
	1	2 @90°	2 @120°	2@180°	3 @90°	3 @120°	4 @90°
100W/140W/180W	0.3632	0.6849	0.8861	0.7264	1.0481	1.2078	1.0481
250W/300W/400W	0.4758	0.8091	1.059	0.9516	1.2849	1.3923	1.2849

PHOTOMETRICS

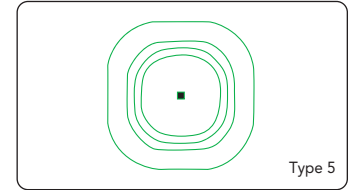
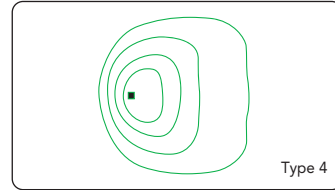
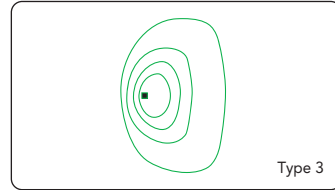
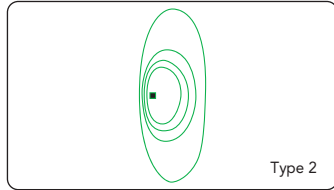
Value Engineered Lighting offers a complete set of optical systems to meet every site lighting requirement. These systems provide remarkable flexibility in precisely matching light distribution patterns to specific site requirements.

Type 2 optics are ideal for applications where there is a need to space the luminaires farther apart along a road or pathway. The light distribution pattern is optimized for elongated areas, allowing for greater pole spacing without sacrificing lighting quality.

Type 3 optics produce an asymmetrical pattern that directs the majority of the light forward and equally on both sides of the luminaire. In a back-to-back configuration, it creates a rectangular pattern which can extend pole spacings.

Type 4 is suitable for applications where light is primarily required forward with minimal backlight. Typical installations include perimeter poles.

Type 5 optics produce a symmetrical square distribution pattern that distributes light equally on all sides of the luminaire. Type 5 luminaires is universal for most area lighting applications



ORDERING GUIDE

Example: VAL08 140W 27V XXK Y Y Y Y Y

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Mounting	Photometry	CCT and Power Adjustable	Internal Code
VAL08 Area Light Series	100 100W 140 140W 180 180W 250 250W 300 300W 400 400W	27V 120-277V 48V 347-480V	DDK ¹ Adjustable color temperature	D Dark Bronze B Black W White SG Silver Gray	P0 120-277V Photocell P3 347V Photocell P4 480V Photocell Blank Without Photocell	M With Sensor Blank Without Sensor	SQ Square Pole Mount SP Slipfitter Mount WM Wall Mount YK Yoke Mount SQA Adjustable Square Mount	T2 TYPE II T3 TYPE III T4 TYPE IV T5 TYPE V	AD ¹ With adjustment dial Blank Without adjustment dial	Blank Alphanumeric

Note: Only 400W suit for 4000K, 5000K adjustable and other wattage suit for 3000K, 4000K and 5000K adjustable.

ACCESSORIES(Optional)

VAL08 series features a backlight control which provides reduced pixilation and increased visual comfort without compromising performance. External Glare Shield: sold separately or as an accessory.

			
External Glare Shield		External Glare Full Visor	
			
Plug-and-Play PIR Sensor PIR sensor: ANT-6-4T Bluetooth PIR sensor: ANT-6-4T-BLE-SR	Plug-and-Play Microwave Sensor Microwave sensor: ANT-5-4T Bluetooth microwave sensor: ANT-5-4T-BLE-SR	120-277V PIR Sensor PIR sensor: BRI823-B-D Bluetooth PIR sensor: BRI823-B-D-BLE-SR	NEMA Photocell 3 pin NEMA Type: MS-PSUNVB1 3 pin NEMA Type(480V): JL-207F 7 pin NEMA Type: JL-241C
			
Back Light Control Shield			

Back Light Control Shield

MOUNTING

- Standard versatile mounting arm accommodates multiple drilling patterns as well as square and round poles
- Optional for cast aluminum slipfitter mounting adapter (Compatible with more mounting adaptors such as Tenon, suits for various application)

Mounting Options



Arm Mount
(4" and 5" Square and Round poles)
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.



Slipfitter Mount
An optional cast aluminum mast arm adapter secures fixture head to nominal 2-3/8" O.D. horizontal steel tenon arm.



Wall Mount
Wall Mount is easy to install for direct wall mounting with 1/2" conduit wiring or standard J-box mounting

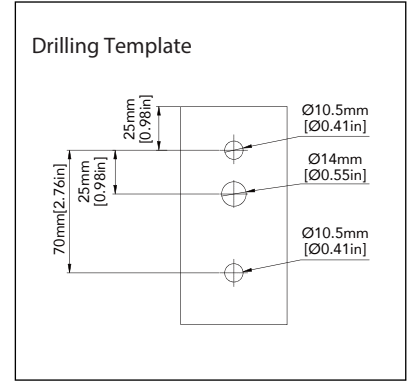
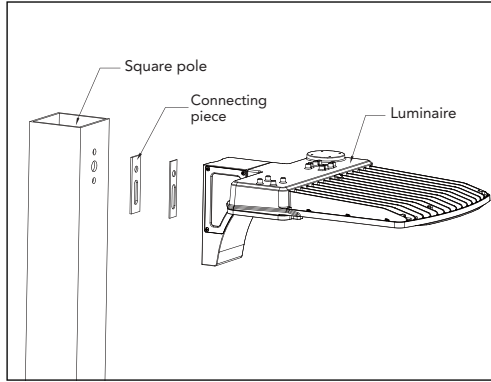
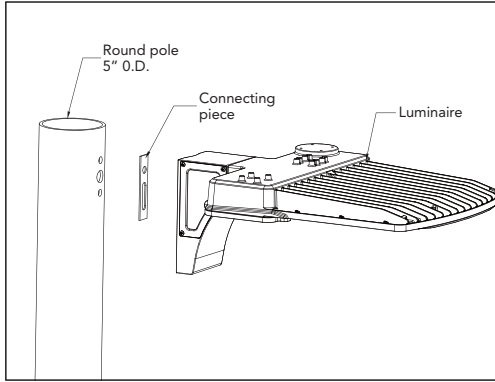


Yoke Mount
Die-cast aluminum trunnion is easily adapted to many surfaces and allows easy fixture aiming angles.



Adjustable Arm Mount
Standard versatile mounting arm is simple to install and can be used with existing poles for retrofit installations.

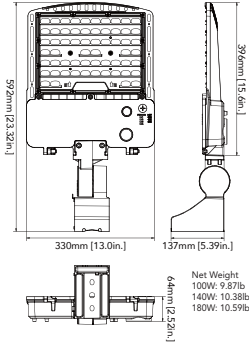
Mounting Dimensions



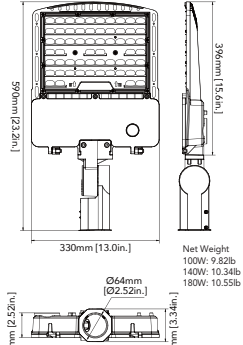
DIMENSION

unit: inch/mm

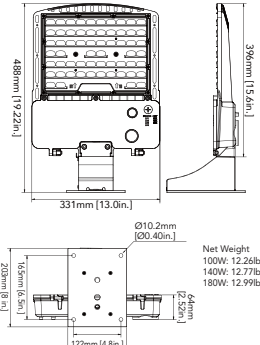
100W/140W/180W (Adjustable Square Mount)



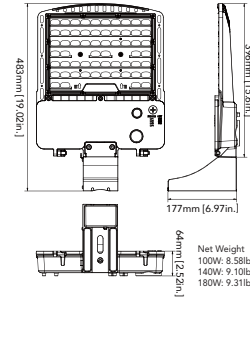
100W/140W/180W (Slipfitter Mount)



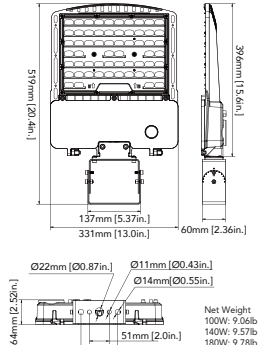
100W/140W/180W (Wall Mount)



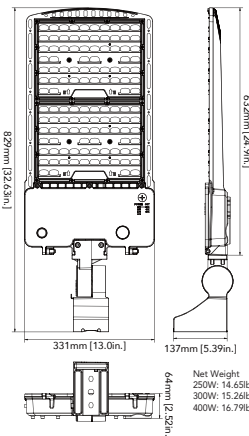
100W/140W/180W (Pole Mount)



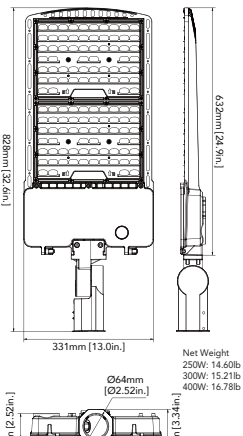
100W/140W/180W (Yoke Mount)



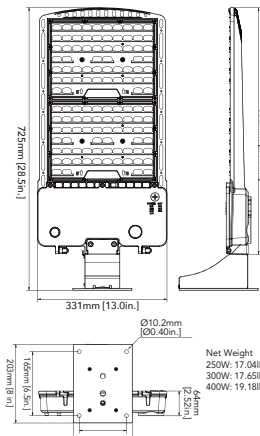
250W/300W/400W (Adjustable Square Mount)



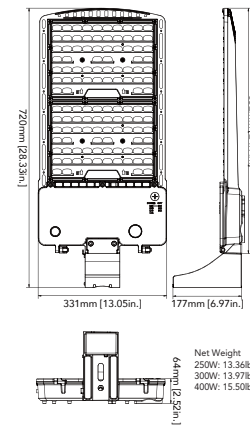
250W/300W/400W (Slipfitter Mount)



250W/300W/400W (Wall Mount)



250W/300W/400W (Pole Mount)



250W/300W/400W (Yoke Mount)

