

VAL Field-Adjustable Area Light



VAL



Sensor Coupler Kit, sold separately

Field-Adjustable, Post Top Type V Area Light



PROJECT: _____

DATE: _____

TYPE: _____

PREPARED BY: _____



KEY FEATURES

- Available in one size with selectable wattages: 113/100/65/40W, default 100W
- Selectable CCT: 3000/4000/5000K, 4000K default
- Available in 120-277V and 480V
- Optic: Type V distribution
- Optional 7-pin receptacle with shorting cap
- Accessories sold separately for adding standard or Lightcloud Blue motion sensors.
- UL listed for wet locations
- IP65 rated
- 10-year limited warranty

PERFORMANCE

MODEL#	Wattage	Voltage	Lumens	Efficacy	Lifespan	Color Temperature
VAL	113/100/65/40W	120-277V	6,385 - 18,637	154.9 - 181.7	100,000 Hours	Field-Adjustable 3000/4000/5000K
VAL/480		480V	6,868 - 19,155	156.0 - 176.8	100,000 Hours	

VAL	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	113W			100W			65W			40W		
Input Watts	113.9W	109.8W	113.8W	97.3W	93.8W	97.2W	65.1W	62.8W	65.0W	38.3W	36.9W	38.3W
Lumens	17,644	18,527	18,637	15,389	16,159	16,255	10,573	11,102	11,168	6,385	6,705	6,744
Efficacy	154.9	168.7	163.8	158.2	172.3	167.2	162.4	176.8	171.8	166.7	181.7	176.1
CRI	82	84	82	81	84	82	82	84	82	82	84	82
Voltage Ratings	120-277V											

VAL/480	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K	3000K	4000K	5000K
Wattage	113W			100W			65W			40W		
Input Watts	116.0W	112.0W	116.0W	105.2W	101.6W	105.2W	66.6W	64.3W	66.6W	42.5W	41.0W	42.5W
Lumens	18,099	19,091	19,155	16,660	17,573	17,632	10,779	11,370	11,408	6,868	7,244	7,269
Efficacy	156	170.5	165.1	158.4	173	167.6	161.8	176.8	171.3	161.6	176.7	171
CRI	82	84	82	82	84	82	82	84	82	82	84	82
Voltage Ratings	480V											

TECHNICAL SPECIFICATIONS

COMPLIANCE

UL Listed

Suitable for wet locations

DLC Listed

This product family is listed with the Design Lights Consortium (DLC). Individual SKUs with this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Product list (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

LED CHARACTERISTICS

LEDs

Long-life, high-efficacy, surface-mount LEDs

Color Uniformity

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standards for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

CONSTRUCTION

Cold Weather Starting

Minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature

Suitable for use in up to 104°F (40°C)

Housing

Die-cast aluminum

Mounting

Pole Mount, compatible with 2 3/8" tenons

Lens

Clear Polycarbonate

Gasket

High-temperature silicone gasket

Reflector

White Polyethylene Terephthalate (PET)

IP Listing

Ingress protection rating of IP65 for dust and water

BUG rating

113W: B4-U0-G2

100W: B4-U0-G2

65W: B3-U0-G1

40W: B3-U0-G1

Vibration Rating

3G vibration rating per ANSI C136.31

EPA Rating

0.2

Green Technology

Mercury and UV free. RoHS-compliant components.

Finish

Formulated for high durability and long lasting color. Available in bronze, white, black & roadway gray options

OPTICS

IES Classifications

Type V - Produces a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots and pathways.

ELECTRICAL

Drivers:

Constant current, class 1, class P, 120-277V, 50/60 Hz
VAL

113W: 120V: 0.92A, 208V: 0.53A, 240V: 0.46A, 277V: 0.40A

100W: 120V: 0.78A, 208V: 0.45A, 240V: 0.39A, 277V: 0.34A

65W: 120V: 0.52A, 208V: 0.33A, 240V: 0.28A, 277V: 0.24A

40W: 120V: 0.31A, 208V: 0.21A, 240V: 0.18A, 277V: 0.16A

Constant Current, Class 1, 120-277V, 50/60 Hz

VAL/480

113W: 480V: 0.25A

100W: 480V: 0.23A

65W: 480V: 0.15A

40W: 480V: 0.11A

Dimming Driver:

Yes, dims to 5% then off

THD

113W: 15.1% @120V, 7.3 @ 277V, 11.0% @ 480V

100W: 5.1% @120V, 9.3% @ 277V, 11.8% @ 480V

65W: 5.4% @ 120V, 14.1% @ 277V, 18.0% @480V

40W: 8.2% @120V, 23.7% @ 277V, 36.5% @480V

Power Factor:

113W: 99.8% @120V, 96.9 @ 277V, 94.8% @ 480V

100W: 99.8% @120V, 96.2% @ 277V, 94.2% @ 480V

65W: 99.6% @ 120V, 92.8% @ 277V, 87.9% @480V

40W: 98.9% @120V, 83.7% @ 277V, 80.9% @480V

Surge Protection:

10kV

FACTORY SETTINGS

Adjustable Wattages:

113/100/65/40W (100W default)

Selectable CCT: 3000/4000/5000K (4000K default)

CONTROLS

Sensor Port

Sensor coupler kit available as an accessory.

Lightcloud Blue

Available for field installation only using the Sensor Coupler Kit (*sold separately*) and a compatible Lightcloud Blue sensor (*sold separately*).

OTHER

Warranty

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Lifespan

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

ACCESSORIES

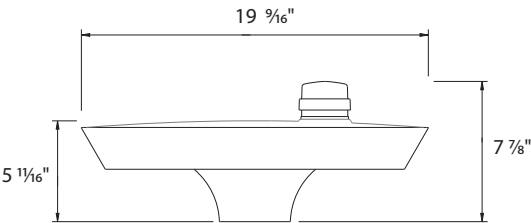


SKU#	UPC	DESCRIPTION
MVS20	192552026017	MVS SENSOR MAX 6M HEIGHT 1P65
MVS20/LCB	192552042253	LC BLUE CONTROLLER 6M HEIGHT WITH INTEGRATED MVS SENSOR
MVS50	192552025997	MVS SENSOR MAX 15M HEIGHT IP65
MVS50/LCB	192552014168	LC BLUE CONTROLLER WITH INTEGRATED MVS SENSOR
MVS20B	192552042291	MVS SENSOR MAX 6M HEIGHT IP65 INDOOR BLACK
MVS20B/LCB	192552042277	LC BLUE CONTROLLER BLACK 6M WITH INTEGRATED MVS SENSOR
MVS50B	192552042314	MVS SENSOR MAX 15M HEIGHT IP65 BLACK
MVS50B/LCB	192552036924	LC BLUE CONTROLLER BLACK WITH INTEGRATED MVS SENSOR
PIR20	192552026024	PIR SENSOR MAX 6M HEIGHT 1P66
PIR20/LCB	192552042246	LC BLUE CONTROLLER 6M HEIGHT WITH INTEGRATED PIR SENSOR
PIR40	192552026000	PIR SENSOR MAX 12M HEIGHT IP66
PIR40/LCB	192552014151	LC BLUE CONTROLLER WITH INTEGRATED PIR SENSOR
PIR20B	192552026024	PIR SENSOR MAX 6M HEIGHT 1P66 BLACK
PIR20B/LCB	192552042246	LC BLUE CONTROLLER 6M HEIGHT WITH INTEGRATED PIR SENSOR
PIR40B	192552042307	PIR SENSOR MAX 12M HEIGHT IP66 BLACK
PIR40B/LCB	192552036917	LC BLUE CONTROLLER BLACK WITH INTEGRATED PIR SENSOR
MSR1	192552026055	MULTI SENSOR REMOTE IP20
R-3P-PCT	192552004299	RAB 3 PIN TWISTLOCK PHOTOCELL 120-277V
R-3P-PCT-480V	192552004305	RAB 3 PIN TWISTLOCK PHOTOCELL 480V
VAL-CKIT	192552036405	VAL AREA LIGHT COUPLER KIT FOR SENSOR MOUNTING BRONZE
VALB-CKIT	192552064682	VAL AREA LIGHT COUPLER KIT FOR SENSOR MOUNTING BLACK
VALRG-CKIT	192552064699	VAL AREA LIGHT COUPLER KIT FOR SENSOR MOUNTING ROADWAY GRAY
VALW-CKIT	192552064675	VAL AREA LIGHT COUPLER KIT FOR SENSOR MOUNTING WHITE

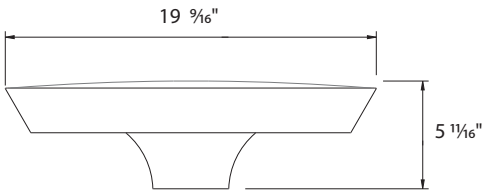
DIMENSIONS

VAL

Weight: 21.6 lbs



WITH 7PRS



WITHOUT 7PRS

VAL Field-Adjustable Area Light



ORDERING MATRIX

VAL

Family	Wattage		Distribution		Color Temperature		Finish	Driver		Controls	
VAL											
	BLANK	113/100/65/40W	BLANK	Type V	BLANK	CCT Adjustable	BLANK W B RG	Bronze White Black Roadway Gray	BLANK /480	120-277V 480V	BLANK /7PRS None 7-Pin Receptacle with Shorting Cap