

# SEAL Field-Adjustable, Linear Washdown



SEAL2



SEAL4



SEAL8



PROJECT:

DATE:

TYPE:

PREPARED BY:



## KEY FEATURES

- Field-adjustable wattages: SEAL2 ( 25/20/15W), SEAL4 (50/40/30W) and SEAL8 (100/80/60W)
- Field-adjustable CCT: 5000K/4000K/3500K
- UL listed for wet locations
- IP66 Rated
- NSF rated for use in food preparation facilities
- Stand-alone or networked control. All models available with **microwave** or **PIR motion sensor** and **Lightcloud-enabled** controls.
- Accessories available for mounting to **corners** or **junction boxes**

## Field-adjustable, Linear Washdown



FIELD ADJ.



100,000 HOURS



IP RATING



WET RATED



POWERED BY LIGHTCLOUD

## TECHNICAL SPECIFICATIONS

### CONSTRUCTION

#### Cold Weather Starting

The minimum starting temperature is -40°C (-40°F)

#### Maximum Ambient Temperature

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

#### IP Rating

Ingress protection rating of IP66 for dust and water

#### Lens

Diffuse polycarbonate lens for low glare and maximum protection

#### Reflector

Cold-rolled steel

#### Gaskets

High-temperature silicone gaskets

#### Mounting

Quick-mount, stainless steel snap on brackets supplied for surface mounting. V-Hook brackets supplied for suspended mounting..

#### Housing

Impact-resistant polycarbonate\* with stainless steel door clips. 1/2" NPS opening for conduit and bushing/cord entry.

*\*Polycarbonate is affected by cleaning agents or other liquids containing partial solvents such as low molecular weight aldehydes and ethers, ketones, esters, aromatic hydrocarbons and perchlorinated hydrocarbons.*

#### Installation

Tether cables are provided for easy installation. Quick connector may be used for quick and easy wiring.

#### Green Technology

Mercury and UV free. RoHs-compliant components

#### Finish

Formulated for high durability and long-lasting color

### COMPLIANCE

#### UL Listed

Suitable for wet locations

#### UL 94

5VA flame classification

#### FCC

Complies with Part 15 of the FCC Rules

#### NSF

NSF Certified by Public Health and Safety

#### NEMA Rating

4X, protected against corrosion

#### IESNA LM-79 & LM-80 Testing

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

#### DLC Listed

This product is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

SEAL2 : DLC Product Code: S-2WR1TU

SEAL4 : DLC Product Code: S-5HVM3O

SEAL8 : DLC Product Code: S-PEIZB4

## TECHNICAL SPECIFICATIONS

### ELECTRICAL

#### Drivers:

Constant Current, Class 2, 120-277V, 50/60 Hz,  
SEAL2 (25/20/15W): 120V: 0.23A, 208V: 0.13A, 240V: 0.12A, 277V: 0.10A  
SEAL4 (50/40/30W): 120V: 0.46A, 208V: 0.26A, 240V: 0.23A, 277V: 0.20A  
SEAL8 (100/80/60W): 120V: 0.92A, 208V: 0.53A, 240V: 0.46A, 277V: 0.40A

#### Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems.  
Requires separate 0-10V DC dimming circuit. Dims down to 10%

#### THD:

SEAL2 (25/20/15W): 3.55% at 120V, 4.59% at 277V  
SEAL4 (50/40/30W): 3.53% at 120V, 4.35% at 277V  
SEAL8 (100/80/60W): 4.87% at 120V, 11.74% at 277V

#### Power Factor:

SEAL2 (25/20/15W): 99.9% at 120V, 97.74% at 277V  
SEAL4 (50/40/30W): 99.90% at 120V, 96.98% at 277V  
SEAL8 (100/80/60W): 99.93% at 120V, 95.36% at 277V

#### Surge Protection

2.5kV

### LIGHTCLOUD BLUE

#### Lightcloud Blue-enabled

Lightcloud Blue (LCB) is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at [www.lightcloud.com](http://www.lightcloud.com)

### OCCUPANCY SENSOR

**Sensor Type:** Passive Infrared (PIR) or Microwave (MVS)

**Input Voltage:** 12VDC

**Operating Frequency:** 50/60Hz

**Input Current:** 30mA

**Operating Temperature:** -40°F to 140°F (-20°C to 60°C)

**Max Mounting Height:** 40 ft. (PIR); 50 ft. (MVS)

**Detection Range:** PIR: 40 ft. diameter mounted at 40 ft. (/PIR & /LCBS); MVS: 50 ft. diameter mounted at 50 ft. (/MVS & /LCBS/MVS); PIR20[B]/[LCB] and MVS20[B]/[LCB] 20 ft. diameter mounted at 9 ft. (sold separately)

**Daylight Sensing:** The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set.

#### Default Settings:

Motion Sensitivity: High

Brightness when triggered : 100%

Hold time: 1 minute (20 minutes for LCB sensors)

Standby to dim: 20%

Standby time: 1 minute

When vacant: Off

### OCCUPANCY SENSOR

**Adjustable Settings:** Settings for Lightcloud Blue-enabled sensors can be adjusted using the mobile app. All other sensors will require MSR1 Remote to adjust the following sensor settings:

Standby to dim: 10%/20%/30%/50%

Standby time: 0s/10s/30s/1min/5min/10min/30min/60min/+∞

Daylight Threshold: 2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

### LED CHARACTERISTICS

#### LEDs

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

#### Color Uniformity

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

### OTHER

#### Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the BUY American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

#### Warranty

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).

### PERFORMANCE

#### Lifespan

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

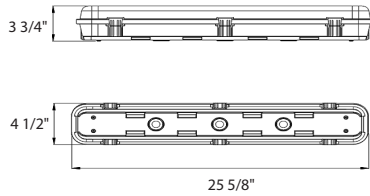
# SEAL Field-Adjustable, Linear Washdown



## DIMENSIONS

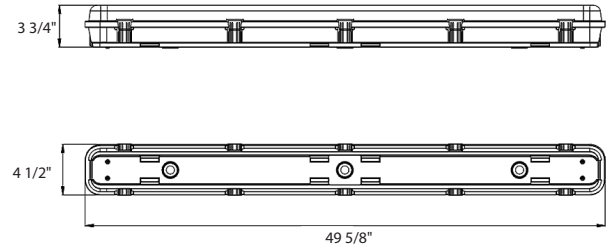
SEAL2 (25/20/15W)

Weight: 4.0 lbs



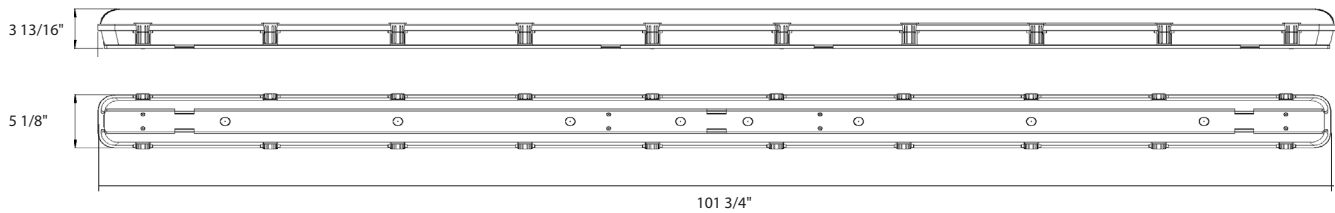
SEAL4 (50/40/30W)

Weight: 6.5 lbs



SEAL8 (100/80/60W)

Weight: 14.9 lbs



## PERFORMANCE

SEAL2	5000K	4000K	3500K	5000K	4000K	3500K	5000K	4000K	3500K
WATTAGE	15W	15W	15W	20W	20W	20W	25W	25W	25W
LUMENS	2,070	2,130	2,040	2,700	2,780	2,660	3,300	3,400	3,250
LM/W	138	142	136	135	139	133	132	136	130
CRI	80	80	80	80	80	80	80	80	80
VOLTAGE	120-277V								

SEAL4	5000K	4000K	3500K	5000K	4000K	3500K	5000K	4000K	3500K
WATTAGE	30W	30W	30W	40W	40W	40W	50W	50W	50W
LUMENS	4,140	4,260	4,080	5,400	5,560	5,320	6,000	6,800	6,500
LM/W	138	142	135	135	139	144	132	136	130
CRI	80	80	80	80	80	80	80	80	80
VOLTAGE	120-277V								

SEAL8	5000K	4000K	3500K	5000K	4000K	3500K	5000K	4000K	3500K
WATTAGE	60W	60W	60W	80W	80W	80W	100W	100W	100W
LUMENS	8,340	8,580	8,770	10,800	11,120	10,640	13,300	13,700	13,100
LM/W	139	143	137	135	139	133	133	137	131
CRI	80	80	80	80	80	80	80	80	80
VOLTAGE	120-277V								

# SEAL Field-Adjustable, Linear Washdown



## ORDERING MATRIX

### SEAL

Family	Length/Wattage	Color Temp	Finish	Voltage	Options				
SEAL									
2	2 ft. 25W/20W/15W	BLANK	5000K/4000K/3500K	BLANK	Gray	BLANK	0-10V Dimming, 120-277V	BLANK	No Option
4	4 ft. 50W/40W/30W					/PIR			Passive Infrared Occupancy Sensor
8	8 ft. 100W/80W/60W					/MVS			Microwave Occupancy Sensor
						/E			Battery Backup
						/LCBS			Lightcloud Blue Infrared Sensor
						/LCBS/MVS			Lightcloud Blue Microwave Occupancy Sensor
						/MVS/E			Microwave Occupancy Sensor w/ Battery Backup
						/PIR/E			Passive Infrared Occupancy Sensor w/ Battery Backup
						/LCBS/E			Lightcloud Blue PIR Sensor w/ Battery Backup
						/LCBS/MVS/E			Lightcloud Blue Microwave Occupancy Sensor w/ Battery Backup