



Project:	Туре:
Prepared By:	Date:

Driver Info	•	LED Info		
Туре	Constant Current	Watts	150W	
120V	1.25A	Color	4000K (Neutral)	
208V	0.73A	Temp	Tooth (Heathar)	
240V	0.63A	Color Accuracy	84/84/82 CRI	
277V	0.55A	,		
Input Watts	76.1/92.8/149.2W	L70 Lifespan	100,000 Hours	
		Lumens	10870/13056/19864	
		Efficacy	142.9/140.6/133.1 lm/W	

# **Technical Specifications**

## Field Adjustability

## Field Adjustable (Wattage):

Field adjustable light output in 3 discrete steps: Medium Housing: 150W/90W/78W (factory default 150W)

## Compliance

#### **UL Listed:**

Suitable for wet locations

# 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.

DLC Product Code: S-3HSM74

## **LED Characteristics**

# LEDs:

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

## **Color Consistency:**

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

### **Color Stability:**

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

## **Color Uniformity:**

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

# **Electrical**

## Driver:

78W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.65A, 208V: 0.38A, 240V: 0.33A, 277V: 0.29A

90W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.75A, 208V: 0.44A, 240V: 0.38A, 277V: 0.33A

150W: Constant Current, Non-Class 2, 120-277V, 50/60 Hz, 120V: 1.25A, 208V: 0.73A, 240V: 0.63A, 277V: 0.55A

## **Dimming Driver:**

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

#### THD:

3.87% at 120V, 8.32% at 277V

## **Power Factor:**

100% at 120V, 95.7% at 277V

# Surge Protection:

Line to Line: 10kV Line to Ground: 6kV

# Performance

#### Lifespan:

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

ALEDM2TWMN



# **Technical Specifications (continued)**

## Construction

## **IES Classification:**

The Type II distribution is meant for lighting large areas, located by the roadside. Typically found on wide walkways, on ramps, entrace roadways and bike paths.

## IP Rating:

Ingress protection rating of IP66 for dust and water

#### **Cold Weather Starting:**

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

## **Ambient Temperature:**

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

#### Housing:

Die-cast aluminum

## Mounting:

Wall mount

#### Lens:

Polycarbonate lens

#### Reflector:

Aluminum reflector with white polycarbonate

## Vibration Rating:

3G vibration rating per ANSI C136.31

## **Effective Projected Area:**

EPA = 0.35

## Gaskets:

High-temperature silicone gaskets

#### Finish:

Formulated for high durability and long-lasting color

## Green Technology:

Mercury and UV free. RoHS-compliant components.

#### 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 <a href="mailto:rable-that-rable-

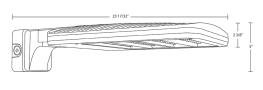
## **Buy American Act Compliance:**

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.

# **Equivalency:**

Equivalent to 400W Metal Halide

# Dimensions



## **Features**

0-10V dimmable standard

IP66 Rated

100,000-Hour LED lifespan

10-Year, No-Compromise Warranty



Ordering Matrix									
Family	Housing Size	Distribution	Mounting	Color Temp	Finish	Voltage	Options		
ALED	M	2T	WM	N					
	S = Small (80W/60W/40W)  M = Medium (150W/90W/78W)  L = Large (260W/220W/170W)  XL = Extra Large (385W/345W/300W)	2T = Type II 3T = Type III 4T = Type IV 5T = Type V AT = Auto Dealership Optic	Blank = Universal Pole Mount SF = Slipfitter WM = Wall Mount	Blank = 5000K Cool N = 4000K Neutral	Blank = Bronze W = White B = Black	Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming <sup>1</sup>	Blank = No Option //PR = 7 Pin Twistlock Receptacle //WS2 = Wattstopper, 20ft lens //WS4 = Wattstopper, 40ft lens <sup>2</sup>		
			le in Medium, Large & tion available in Large	9	,				