

Γ	Calculation Summary											
ΙГ	Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpcLr	PtSpcTb	Meter Type
П	Site	Illuminance	Fc	0.33	8.3	0.0	N.A.	N.A.	Readings Taken @ 0'-0" AFG	10	10	Horizontal
ΙГ	Existing Parking Lot	Illuminance	Fc	1.71	5.3	0.2	8.55	26.50				
ΙГ	New Parking Lot 1	Illuminance	Fc	1.99	5.3	0.2	9.95	26.50				
	New Parking Lot 2	Illuminance	Fc	1.81	4.9	0.4	4.53	12.25				

Luminaire Schedule All quotes/orders generated from this layout must be forwarded to the Local Rep Ager					orwarded to the Local Rep Agency		
Symbol	Qty	Tag	Label	Arrangement	LLF	Description	BUG Rating
-	6	A1	ALEDS4TY + ALEDSHS	Single	1.000	ALEDSHS4TY	B1-U0-G2
I II	4	S1	SLIM17FAFC40	Single	1.000	SLIM17FAFC40_3K at 0_ CCT Setting	B2-U0-G1

LumNo	Tag	Х	Y	MTG HT	Orient	Tilt
1	S1	198	299	15	90	0
4	S1	258	281	15	0	0
5	S1	243	299	15	90	0
6	S1	258	242	15	0	0
7	A1	195	353.5	15	270	0
8	A1	322.879	256.003	15	221.634	0
10	A1	238	365.882	15	311.82	0
11	A1	285	409.882	15	311.82	0
12	A1	280.061	312.061	15	45	0
13	A1	350.873	376.01	15	221.285	0



Render Image - Top View



Render Image - Side View

NOTES:

" The light loss factor (I,LF) is a product of many variables, only lamp known depreciation (I,LD) in the been applied to the calculated results unless otherwise notes. The ILD is the result (quotient) of mean lamens / initial known per lamp manulacturers' specifications.

\* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) so be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

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It is the Onner's responsibility to confirm the suitability of the eating or proposed poles and bases
to support the proposed feature, benefic on the velop's and EPA of the proposed desires and the conten's
site sail conditions and which came it is recommended that a probabilished explaine beneated to practice
in the state the self-is chandled or engaged to asset in this determination.

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RAB Lighting Inc. luminaire and product designs are protected under U.S. and international intellectual property laws. Peterts issued or pending apply.

# HOLBROOK-ASSOCIATED

Prepared By: Holbrook-Associated 35 Reservoir Park Drive Rockland, MA 02370

Job Name: 22 Waverly Street Worcester, MA

Flename: C:\Users\incltrock\Documents\AG|32 - Designs\2024 Designs\Steve Salvuccit22 Waverly Street\22 Waverly Street.AG|

Project ID: 238872 Scale: as noted Rep: SS Date:10/1/2024 Filename: 22 Waverly Street AGI Drawn By:JHainey





Project:	Type:
Prepared By:	Date:

Driver Info		LED Info		
Type	Constant Current	Watts	80W	
120V	0.67A	Co <b>l</b> or Temp	N/A	
208V	0.40A	Color	N/A	
240V	0.34A	Accuracy		
277V	0.30A	L70 Lifespan	N/A	
Input Watts	81.1/57.2/40.4W		10 172 /7 517 /5 160	
		Lumens	10,172/7,517/5,468 <b>l</b> m	
		Efficacy	125.4/131.4/135.3 <b>I</b> m/W	

# **Technical Specifications**

# Field Adjustability

### Field Adjustable (Wattage):

Field adjustable light output in 3 discrete steps: Small Housing: 80W/60W/40W (factory default 80W)

# Compliance

# UL Listed:

Suitable for wet locations

#### IP Rating:

Ingress protection rating of IP66 for dust and water

### 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.

### **Dark Sky Conformance:**

Dark Sky Approved in 3000K. Conforms to (allows for conformance to) the IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

# **Light Usage for Night Applications:**

This product has received the Design Lights Consortium's LUNA listing for 3000K Models. Designed to meet LUNA 5.1 requirements. LUNA Product Code: S-FMOH1N

#### **Trade Agreements Act Compliant:**

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

# **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-FMQH1N

#### LUNA:

This product has received the Design Lights Consortium's LUNA listing for 3000K Models. Designed to meet LUNA 5.1 requirements. LUNA Product Code: S-FMQH1N

#### **LED Characteristics**

#### I FDe

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:

40W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.34A, 208V: 0.20A, 240V: 0.17A, 277V: 0.15A

60W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.50A, 208V: 0.30A, 240V: 0.25A, 277V: 0.22A

80W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.67A, 208V: 0.40A, 240V: 0.34A, 277V: 0.30A

# **Dimming Driver:**

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

#### THD:

2.32% at 120V, 7.28% at 277V

# **Power Factor:**

99.9% at 120V, 96.5% at 277V

#### **Surge Protection:**

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



# **Technical Specifications (continued)**

#### **Performance**

### Lifespan:

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

# Wattage Equivalency:

Equivalent to 250W Metal Halide

#### Construction

#### **IES Classification:**

The Type IV distribution is especially suited for mounting on the sides of buildings and walls, and for illuminating the perimeter of parking areas. It produces a semicircular distribution with essentially the same candlepower at lateral angles from 90° to 270°.

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

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

#### **Ambient Temperature:**

Max Power Temp Rating: 40°C (104°F) Middle Power Temp Rating: 52°C (125°F) Low Power Temp Rating: 58°C (137°F)

#### Housing:

Die-cast aluminum

### Mounting:

Universal mounting arm compatible for hole spacing patterns from 1" to 5 1/2" center to center. Round Pole Adaptor plate included as a standard. Easy slide and lock to mount fixture with ease.

#### Reflector:

Aluminum reflector with white polycarbonate

#### Vibration Rating:

3G vibration rating per ANSI C136.31

### **Effective Projected Area:**

1 Fixture: 0.35

2 Fixtures at 90°: 0.54

2 Fixtures at 180°: 0.7

3 Fixtures at 90°: 0.9

4 Fixtures at 90°: 0.9

# Gaskets:

 $High-temperature\ sil licone\ gaskets$ 

#### Finish:

Formulated for high durability and long-lasting color

# Green Technology:

Mercury and UV free. RoHS-compliant components.

#### Optical

#### **BUG Rating:**

40W: B1 U0 G2 60W: B1 U0 G2 40W: B1 U0 G2

#### Other

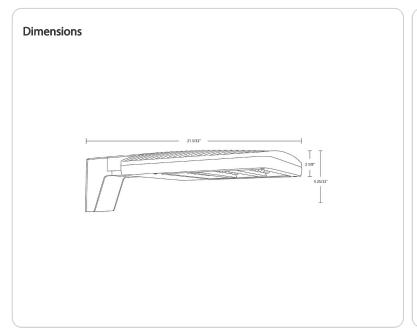
#### Warranty:

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-trans-rable-t

### **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.





# **Features**

0-10V dimmable standard

IP66 Rated

100,000-Hour LED lifespan

10-Year, No-Compromise Warranty

amily	Housing Size	Distribution	Mounting	Color Temp	Finish	Voltage	Options
ALED	S	4T		Υ			
	M = Medium (150W/90W/78W) L = Large (260W/220W/170W) XL = Extra Large (385W/345W/300W) S = Small (80W/60W/40W)	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 Y = 3000K Warm N = 4000K Neutral	Blank = Bronze W = White B = Black	<b>Blank</b> = 120-277V, 0-10V Dimming / <b>480</b> = 480V, 0-10V Dimming <sup>1</sup>	Blank = No Option /7PR = 7 Pin Twistloc Receptacle /WS2 = Wattstopper 20ft lens /WS4 = Wattstopper 40ft lens <sup>2</sup>

**ALEDSHS** 





Project:	Type:
Prepared By:	Date:

# **Technical Specifications**

# Performance

# Description:

ALED house side shield with 4 screws

#### **Compatible Products:**

ALED Small Field Adjustable

# Construction

# Dimensions (LxWxH):

10 3/8" x 10 1/4" x 6"

#### Finish

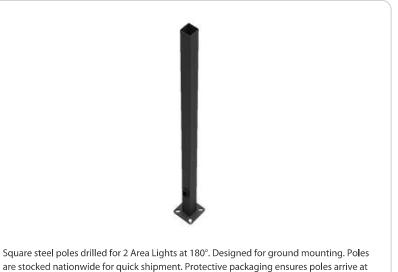
Formulated for high durability and long-lasting color

# 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.





Project:	Type:
Prepared By:	Date:

the job site good as new. Color: Bronze

Weight: 105.8 lbs

# **Technical Specifications**

#### Compliance

#### CSA Listed:

Suitable for wet locations

#### Construction

# Shaft:

46,000 p.s.i. minimum yield.

### **Hand Holes:**

Reinforced with grounding lug and removable cover

#### **Base Plates:**

Slotted base plates 36,000 p.s.i.

#### **Shipping Protection:**

All poles are shipped in individual corrugated cartons to prevent finish damage

# Color:

Bronze powder coating

#### Height:

15 ft

### Weight:

106 lbs

# Gauge:

11

# Wall Thickness:

1/8"

#### **Shaft Size:**

4"

#### **Hand Hole Dimensions:**

3" x 5"

### **Bolt Circle:**

8 1/2"

# **Base Dimension:**

## **Anchor Bolt:**

Galvanized anchor bolts and galvanized hardware and anchor bolt template. All bolts have a 3" hook.

# **Anchor Bolt Templates:**

WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available online.

# **Pre-Shipped Anchor Bolts:**

Bolts can be pre-shipped upon request for additional freight charge

# Max EPA's/Max Weights:

70MPH 17.4 ft/450 lb. 80MPH 12.5 ft/440 lb. 90MPH 9.0 ft/440 lb. 100MPH 6.6 ft/440 lb. 110MPH 4.8 ft/435 lb. 120MPH 3.4 ft/435lb. 130MPH 2.3 ft/435 lb. 140MPH 1.4 ft/430 lb. 150MPH 0.8 ft/420 lb

### Other

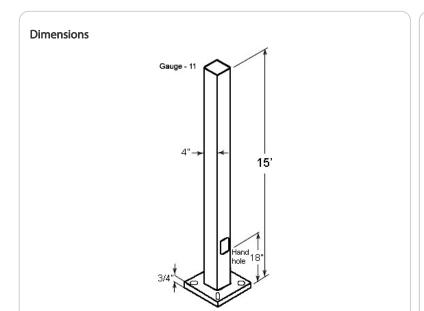
# Terms of Sale:

Pole Terms of Sale is available online.

## **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.





#### **Features**

Designed for ground mounting

Heavy duty TGIC polyester coating

Reinforced hand holes with grounding lug and removable cover for easy wiring access

Pole caps, base covers & bolts are sold separately

Custom manufactured for each application





Project: Type:

Prepared By:

Date:

Driver Info	0	LED Info			
Туре	Constant Current	Watts	40W		
120V	0.40A	Color	3000K/4000K/5000K		
208V	0.30A	Temp			
240V	0.20A	Co <b>l</b> or Accuracy	80 CRI		
277V	0.15A	L70			
Input Watt	s 37.7/38.2/38.2W	Lifespan	100,000 Hours		
		Lumens	4595/5421/4826 <b>I</b> m		
		Efficacy	121.9/141.8/126.5 <b>I</b> m/W		

# **Technical Specifications**

#### **Field Adjustability**

# Field Adjustable:

Color temperature selectable by 3000K, 4000K and 5000K

Color: Bronze

#### 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

# IP Rating:

Ingress protection rating of IP65 for dust and water

# **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: PL3FKMCN0SF0

# Performance

#### Lifespan

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

### Wattage Equivalency:

Equivalent to 200W Metal Halide

#### **LED Characteristics**

Weight: 6.8 lbs

#### LEDs:

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

# **Electrical**

# Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.40A, 208V: 0.30A, 240V: 0.20A, 277V: 0.15A

### **Dimming Driver:**

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

#### Photocell:

120-277V selectable photocell that can be turned on and off.

#### Construction

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

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

# Ambient Temperature:

Max Power Temp Rating: 50°C (122°F) Middle Power Temp Rating: 50°C (122°F)) Low Power Temp Rating: 50°C (122°F)

#### Housing:

Precision die-cast aluminum housing and door frame

#### Lens:

Polycarbonate lens

#### Mounting:

Hinged wiring access and conduit entries on the back, sides, top and bottom make installation a snap

# Cut Off:

Full cutoff (0°)

#### Finish:

Formulated for high durability and long-lasting color

# Green Technology:

Mercury and UV free. RoHS-compliant components.

#### Other

#### Note:

All values are typical (tolerance +/- 10%)

#### 5 Yr Limited Warranty:

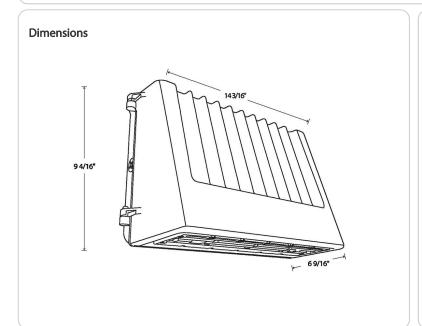
The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at <u>rablighting.com/warranty.</u>



# **Technical Specifications (continued)**

# **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.



# **Features**

Selectable CCT

Full cutoff

Selectable on/off photocell

0-10V dimming, standard

# **Ordering Matrix**

Family	Style	Wattage
SLIM17FA	FC	40
	FC = Full cutoff	<b>40 =</b> 40W