

Region: 2

Location: NY051

CSS #: 19610

Maximo Work Order No.: 5675

Asset #: NA

Date Issued: 10/8/19

Original Description: Repair Exterior Lite Poles, some of the LED Drivers, and Photo Eyes do not work

Repairs Needed:

Furnish Labor and Materials to replace 1 flag pole LED fixture and 10 Light pole fixtures (See additional detail in quote provided) There is a **2 week lead time** for the parts.

RS Means Line Buildup and Labor Summary (Data Version 2017, Q4):

Quantity	Line Item Number	Description	Labor Hours	Labor Rate/Hr	Materials	Equipment	Total
1	NA	Flag Pole fixture, 10 light pole fixtures and Misc parts (See detail in attached cost breakdown)	--	--	\$10,254.58	--	\$10,254.58
--	NA	Labor Patricia Electric	32	\$135.00	.	--	\$4,320.00
--	NA	TWI Coordination and oversite	16	\$80.00	--	--	\$1,280.00

Estimate Summary:

Labor Hours	Labor Cost	Material Cost		Total Cost	CE Factor	Total Estimate
48	\$5,600.00	\$10,254.58		\$15,854.58	90%	\$14,269.12

PROPOSAL

Patricia Electric Inc.

407 Brown Avenue Syracuse, New York 13208
315-455-7410 Fax 315-455-7522

TO: US Army
ATTN: Patrick

DATE: 10/4/2019

JOB LOCATION: Oswego NY

We hereby submit specifications and estimates for: Electric per scope.

1- Replace flag pole LED fixture
2- Replace 10 light pole fixtures.
32 Labor @135.00 \$4,320.00
Material \$9,174.98
Sub total \$13,494.98
Tax \$1,079.60

NOTES:

We propose hereby to furnish material and labor – complete in accordance with above specifications, for the sum of: Fourteen thousand five hundred seventy four and 58/100-dollars (\$14,574.58).

Payment will be made as follows:

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by workmen's Compensation Insurance.

AUTHORIZED SIGNATURE: Terry J. Hibbard NOTE: This proposal may be withdrawn by us if not accepted within 45 days.

Acceptance of proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: _____ Signature: _____

PATRICIA ELECTRIC, INC.

407 Brown Avenue

Syracuse, NY 13208

TEL.: 315-455-7410 FAX: 315-455-7522

PROJECT: Oswego Army break down

REQUEST FOR EXTRA: RFE#:

Material Break Down

DATE: 10/4/2019

ARCHITECT / ENGINEERING REF. NO.: _____

1) MATERIAL

A Cost of Material		
B Lights	0%	\$ 6,902.48
C Freight	0%	
D Misc. Material		\$ 535.00

TOTAL MATERIAL COST: \$ 7,437.48

2) SUBCONTRACT

TOTAL SUBCONTRACT COST: \$ _____

3) LABOR

A Man Hrs	@	/hr. =	\$ -
B Supervision Man Hrs	@	\$ - /hr. =	\$ -
C - 1/2 Time	@	\$ - /hr. =	\$ -
D - 2nd Shift	@	\$ - /hr. =	\$ -

TOTAL LABOR COST: \$ _____

4) TOOLS & EQUIPMENT

A Equipment as listed	= \$
B Expendable Tools & Supplies	@ <u>2%</u> of labor =
(Gas, and oil, drill bits, etc.)	

TOTAL EQUIPMENT & TOOLS COST \$ _____

SUBTOTAL DIRECT COST \$ 7,437.48

20% OVERHEAD COST \$ 1,487.50

SUBTOTAL COSTS \$ 8,924.98

PROFIT

Freight \$ _____

TOTAL: \$ 9,174.98

Note: All Change Orders are based on Straight Time Rates unless shown otherwise.

This Change Order will extend contract completion by _____ calendar days.

This quote is valid for _____ days only and is subject to repricing after expiration date.

Accepted: _____ Change Order #: _____





Home (/) / Light Fixtures (/light-fixtures/c/2103) / LED Flood Lights (/led-flood-lights/c/1611) / LED Flood Light Fixtures (/led-flood-light-fixtures/c/646)

39 Watt - LED Flood Light - 5666 Lumens - 150W MH Equal - Slipfitter - 5000K - RAB FFLED39SF

Product Code: R-FFLED39SF | Mfg. Code: FFLED39SF



(//cdn-tp1.mozu.com/16875-28689/cms/28689/files/25c35983-e71e-48c7-813f-67c91490edb4?_mzcb=_1569657413759)

\$367.96

Usually Ships in 24 to 48 Hours

Free Shipping over \$99



WATTAGE	LUMENS	HID EQUAL	CCT	DLC	WET LOCATION	WARRANTY
39W	5666	150	5000K	DLC QPL LISTED	WET LOCATION	5 YEARS

Brochures & Spec Sheets

- [RAB Lighting FFLED39SF Specs](https://s3.amazonaws.com/beeslighting/website+files/specsheets/RAB/flood/rab-ffled39sf-specs.pdf)
- [RAB Lighting FFLED39SF Installation](https://s3.amazonaws.com/beeslighting/website+files/installation+files/RAB/flood/rab-ffled18-installation.pdf)

Description

The RAB Lighting FFLED39SF LED flood light provides great lighting to any surface. This LED flood light fixture has 5666 lumens at a 5000K color temperature while using a low wattage of 39 Watts. FFLED39SF flood light fixture is IP66 making it ideal to mount near wet and damp locations. This flood light offers a long low

4.9 ★★★★★
Google
Customer Reviews

100,000 hours.

Features:

- Color temperature 5000K
- LED life rate 100,000 hours
- Color rendering index 71 CRI
- Efficacy rating 136 LM/W
- Ingress protection IP66
- Slipfitter mounting
- 5 year warranty

Full Specs

Light Source	LED
Brand	RAB Lighting
Product Series	FFLED Series
Wattage	39W
Lumens	5666
Efficacy (lm/W)	136
HID Equal	150
Input Voltage	120-277V
Color Temperature	5000K
CRI	71
Light Distribution	7H x 6V
Dimmable	No
UL Listed	No
ETL Listed	No
DLC Listed	Yes
Energy Star	No
Damp Location	Yes
Wet Location	Yes
Hazardous Location	No
Certifications	UL, LM79, LM80, RoHS, IP66
Housing Material	Aluminum

Mounting Type Slipfitter mount

Color Finish Bronze

Motion Sensor Included No

Photocell Included No

Emergency Battery Included No

Operating Temperature -40°C - 40°C

Rate Life 100,000 hours

Warranty 5 Years

Length 7.50 in

Width 11.00 in

Height 12.50 in

Related Items



[\(/p/SFL-30W-UV-B77-50K-TR\)](#)

30 Watt - LED Flood Light - 3000 Lumens - 150W MH Equal - 5000K - GLT SFL-30W-UV-B77-

\$39.20 \$49.00
You save %
★★★★★ 2 Reviews

- +

[Add To Cart](#)



[\(/p/OFL1LEDP240KMOVTTTHKDDBXDM4\)](#)

Lithonia OFL1 LED P2 40K MVOLT THK DDBXD M4 - 45 Watt - LED Flood Light - 4450 Lumens - 150W MH Equal - 4000K

\$175.50 \$234.00
You save %
★★★★★ 1 Review

- +

[Add To Cart](#)



[\(/p/65-125\)](#)

29 Watts - LED Flood Light - 3218 Lumens - 100W MH Equal - Traditional - 4000K - NL

\$96.99

- +

[Add To Cart](#)

[Reviews \(0\)](#) [Questions \(0\)](#)

★★★★★

4.9 ★★★★★
Google
Customer Reviews

BE THE FIRST TO WRITE A REVIEW





Rectangular shaped LED floodlight designed to replace 150W Metal Halide. patent-pending "Air-Flow" technology ensures long LED and driver lifespan. Use for building façades lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: Bronze

Weight: 14.2 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current	Watts	39.00W
120V	0.35A	Color Temp	5000K (Cool)
208V	0.23A	Color Accuracy	75 CRI
240V	0.20A	L70 Lifespan	100,000
277V	0.16A	Lumens	5,753
Input Watts 40.60W		Efficacy	141.7 LPW
Efficiency 96%			

LED Info

Technical Specifications

Listings

UL Listing:

Suitable for wet locations. Suitable for mounting within 1.2m (4ft) of the ground.

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. DLC Product Code: P00001709

LED Characteristics

Lifespan:

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

LEDs:

Long-life, high-efficacy surface-mount LEDs

Color Consistency:

3-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 CCT over a 5-year period

Color Uniformity:

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

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50-60Hz, 120V: 0.35A, 208V: 0.23A, 240V: 0.13A, 277V: 0.11A

THD:

10.18% at 120V, 18.18% at 277V

Power Factor:

99% at 120V, 91.4% at 277V

Note:

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

Construction

Lens:

Soda lime silica clear glass

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Mounting:

Heavy-duty Slip Fitter for 2 3/8" OD pipe

IP Rating:

Ingress Protection rating of IP66 for dust and water

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

Cold Weather Starting:

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

Effective Projected Area:

EPA = 0.75

Green Technology:

Mercury and UV free. RoHS-compliant components.

Technical Specifications (continued)

Construction

Finish:

Formulated for high durability and long-lasting color

Other

Equivalency:

Equivalent to 250W Metal Halide

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) 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.

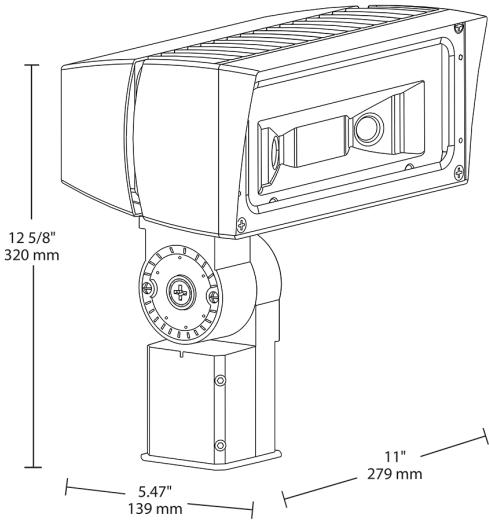
Buy American Act Compliance:

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.

Patents:

The FFLED design is protected by U.S. Pat. D643,147, Canada Pat. 140798, China Pat. ZL201130171304.1, Mexico Pat. 36757 and pending patent in Taiwan.

Dimensions



Features

Ultra-efficient LED and optical design

Replaces 150W MH floodlights

100,000-hour life based on LM-80 results and TM-21 calculations

"Air-Flow" technology heatsink

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Options	Other Options
FFLED	39	SF						
18 = 18W		Blank = Swivel Arm	Blank = 5000K (Cool)	Blank = 7H x 6V	Blank = Bronze	Blank = On/Off ¹	Blank = No Option	Blank = Standard
26 = 26W		SF = Slipfitter	N = 4000K (Neutral)	B55 = 5H x 5V	W = White	/D10 = 0-10V Dimming	/PC = 120V Photocell	USA = BAA Compliant
39 = 39W		T = Trunnion	Y = 3000K (Warm)	B44 = 4H x 4V		/480 = 480V On/Off ²	/PC2 = 277V Photocell	
52 = 52W						/E = 120-277V Battery Backup	/PCS = 120V Swivel Photocell	
80 = 80W						/EC = Cold Start Battery Backup	/PCS2 = 277V Swivel Photocell	
							/PCS4 = 480V Swivel Photocell	
							/PCU = 120-277V Button Photocell	
							/MS = Mini Sensor	
							/STL3 = Stealth Sensor	

¹ Dimming Driver for 18W, 26W & 39W models only² Not available for 80W models





Home (/) / Brands (/brands/c/701) / RAB Lighting (/rab-lighting/c/704) / RAB LED Area Light (/rab-led-area-light/c/755) / RAB ALED LED Area Light (/rab-aled-area-light/c/780)

RAB Lighting ALED3T150 - 150 Watts - LED Area Light - 16839 Lumens - 400W MH Equal - 5000K

Product Code: R-ALED3T150 | Mfg. Code: ALED3T150



(//cdn-tp1.mozu.com/16875-28689/cms/28689/files/cfd1a0b0-2eaf-4fad-875fb1abebc45320?_mzcb=1569657413759)

\$796.50

Usually Ships in 24 to 48 Hours

Free Shipping over \$99



WATTAGE	LUMENS	HID EQUAL	CCT
150W	16839	400	5000K



Product Family

- [View All RAB ALED Area Lights \(/rab-aled-area-light/c/780\)](#)

Brochures & Spec Sheets

- [RAB Lighting ALED3T150 Specs \(<https://s3.amazonaws.com/beeslighting/website+file+r-aled3t150-specs.pdf>\)](#)
- [RAB Lighting ALED3T150 Installation \(<https://s3.amazonaws.com/beeslighting/website+file+r-aled50-150w-installation.pdf>\)](#)
- [RAB Lighting ALED3T150 Sell Sheet \(<https://s3.amazonaws.com/beeslighting/website+file+aled-sellsheet.pdf>\)](#)

Accessories



(/p/RPA4)

RAB - 4" Round Pole Adapter -
RPA4 (/p/RPA4)

\$29.54

- +

[Add To Cart](#)



(/p/RPA3)

RAB - 3" Round Pole Adapter -
RPA3 (/p/RPA3)

\$29.54

- +

[Add To Cart](#)



(/p/RPA6)

RAB - 6" Round Pole Adapter -
RPA6 (/p/RPA6)

\$29.54

- +

[Add To Cart](#)

Description

Replace 400 watt metal halide fixtures with the RAB ALED3T150 LED area light. This LED area light delivers high lumens and long life for a more energy efficient and low maintenance lighting solution. The RAB LED shoebox area light delivers 16839 lumens with only 150 watts consumed. The Type III light distribution ensures uniform lighting for parking lots, car dealerships, campuses and plazas. This LED RAB Lighting area light is made out of die-cast aluminum and mount on square poles using a standard arm mount.

- 400 watt metal halide equivalent
- Type III distribution
- Superior thermal management with external "Air-Flow" fins
- 100,000 hours life span
- 5 years warranty
- UL listed for wet locations and DLC 4.3 certified

Full Specs

Light Source	LED
Application	Area Light
Brand	RAB Lighting
Product Series	ALED Series
Wattage	150W
Lumens	16839
Efficacy (lm/W)	108

4.9 ★★★★★
Google
Customer Reviews

HID Equal	400
Input Voltage	120-277V
Color Temperature	5000K
CRI	71
Light Distribution	Type III
Dimmable	No
UL Listed	No
ETL Listed	No
DLC Listed	Yes
Energy Star	No
Damp Location	Yes
Wet Location	Yes
Hazardous Location	No
Certifications	UL, LM79, LM80, RoHS, IP66
Housing Material	Aluminum
Lens Type	Glass
Mounting Type	Arm mount
Color Finish	Bronze
Motion Sensor Included	No
Photocell Included	No
Emergency Battery Included	No
Operating Temperature	-40°C - 40°C
Rate Life	100,000 hours
Warranty	5 Years
Length	23.40 in
Width	23.40 in
Height	8.40 in



[\(/p/LOT4T65-D10\)](/p/LOT4T65-D10)

RAB Lighting LOT4T65/D10 - 65 Watts - LED Shoebox Area Light - 6811 Lumens - 150W MH

\$440.73

- +

[Add To Cart](#)



[\(/p/LOT4T160-D10\)](/p/LOT4T160-D10)

RAB Lighting LOT4T160/D10 - 160 Watts - LED Shoebox Area Light - 17037 Lumens - 400W

\$600.08

- +

[Add To Cart](#)



[\(/p/RAB-ALED4T78\)](/p/RAB-ALED4T78)

78 Watts - LED Area Light - Lumens - 250W MH Equi Shoebox - RAB ALED4T

Call for Price

[Select Options](#)

[Reviews \(0\)](#) [Questions \(0\)](#)



BE THE FIRST TO WRITE A REVIEW



Color: Bronze

Weight: 32.5 lbs

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current	Watts	150W
120V	1.31A	Color Temp	5000K (Cool)
208V	0.80A	Color Accuracy	71 CRI
240V	0.69A	L70 Lifespan	100,000
277V	0.60A	Lumens	16,839
Input Watts	155.2W	Efficacy	108.5 LPW

LED Info**Technical Specifications****Electrical****Photocell:**

120-277V twistlock photocell included. Photocell is compatible with 120-277V.

Surge Protection:

4kV

Driver:

One Driver, Constant Current, Class 2, 2100mA 100-277V, 50-60Hz, Power Factor 99%

THD:

4.9% at 120V, 13.8% at 277V

Power Factor:

99.5% at 120V, 93.7% at 277V

Listings**DLC Listed:**

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC Product Code: P0000175C

UL Listing:

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.

Dark Sky Conformance:

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).

LED Characteristics**Lifespan:**

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

LEDs:

Multi-chip, high-output, long-life LEDs

Color Consistency:

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

Color Stability:

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

Color Uniformity:

RAB's range of CCT (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.

Construction**Effective Projected Area:**

EPA = 0.75

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

Cold Weather Starting:

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

Thermal Management:

Superior thermal management with external "Air-Flow" fins

Lens:

Tempered glass lens

Technical Specifications (continued)

Construction

Housing:

Die-cast aluminum housing, lens frame and mounting arm

IP Rating:

Ingress Protection rating of IP66 for dust and water

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. Round pole diameter must be >4" to mount fixtures at 90° orientation.

Reflector:

Specular vacuum-metallized polycarbonate

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Optical

BUG Rating:

B1 U0 G2

Other

BAA Compliance:

Click www.rablighting.com/product/ALED3T150/PCT USA for BAA compliance.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) 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 www.rablighting.com/legal#warranty

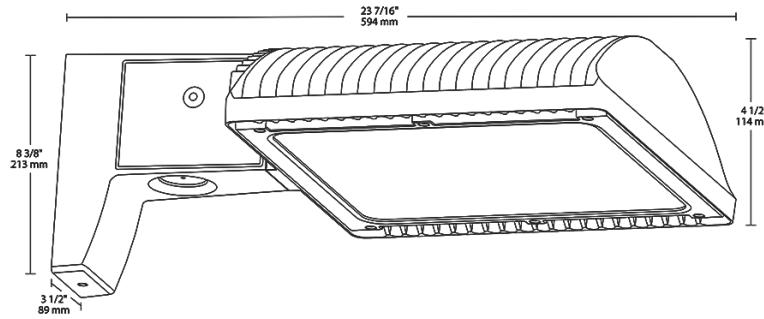
Equivalency:

Equivalent to 400W Metal Halide

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.

Dimensions



Features

66% energy cost savings vs. HID

100,000-hour LED lifespan

5-Year, No-Compromise Warranty

Ordering Matrix

Family	Optics	Wattage	Mounting	Color Temp	Finish	Driver Options	Options	Other Options
ALED	3T	150					/PCT	
4T = Type IV	50 = 50W	Blank = Pole mount	Blank = 5000K (Cool)	Blank = Bronze	Blank = 120-277V	Blank = No Option	Blank = Standard	
3T = Type III	78 = 78W	SF = Slipfitter	N = 4000K (Neutral)	RG = Roadway Gray	/480 = 480V	/LC = Lightcloud® Controller	USA = BAA Compliant	
2T = Type II	105 = 105W		Y = 3000K (Warm)	W = White	/BL = Bi-Level	/PCS = 120V Swivel Photocell		
	125 = 125W			K = Black	/D10 = 0-10V Dimming	/PCS2 = 277V Swivel Photocell		
	150 = 150W					/PCT = 120-277V Twistlock Photocell		
						/PCS4 = 480V Swivel Photocell		
						/PCT4 = 480V Twistlock Photocell		
						/WS2 = Multi-Level Motion Sensor 20 ft.		
						/WS4 = Multi-Level Motion Sensor 40 ft.		