

DW Dantas Construction, PO box 2322, Avon, CO 81620

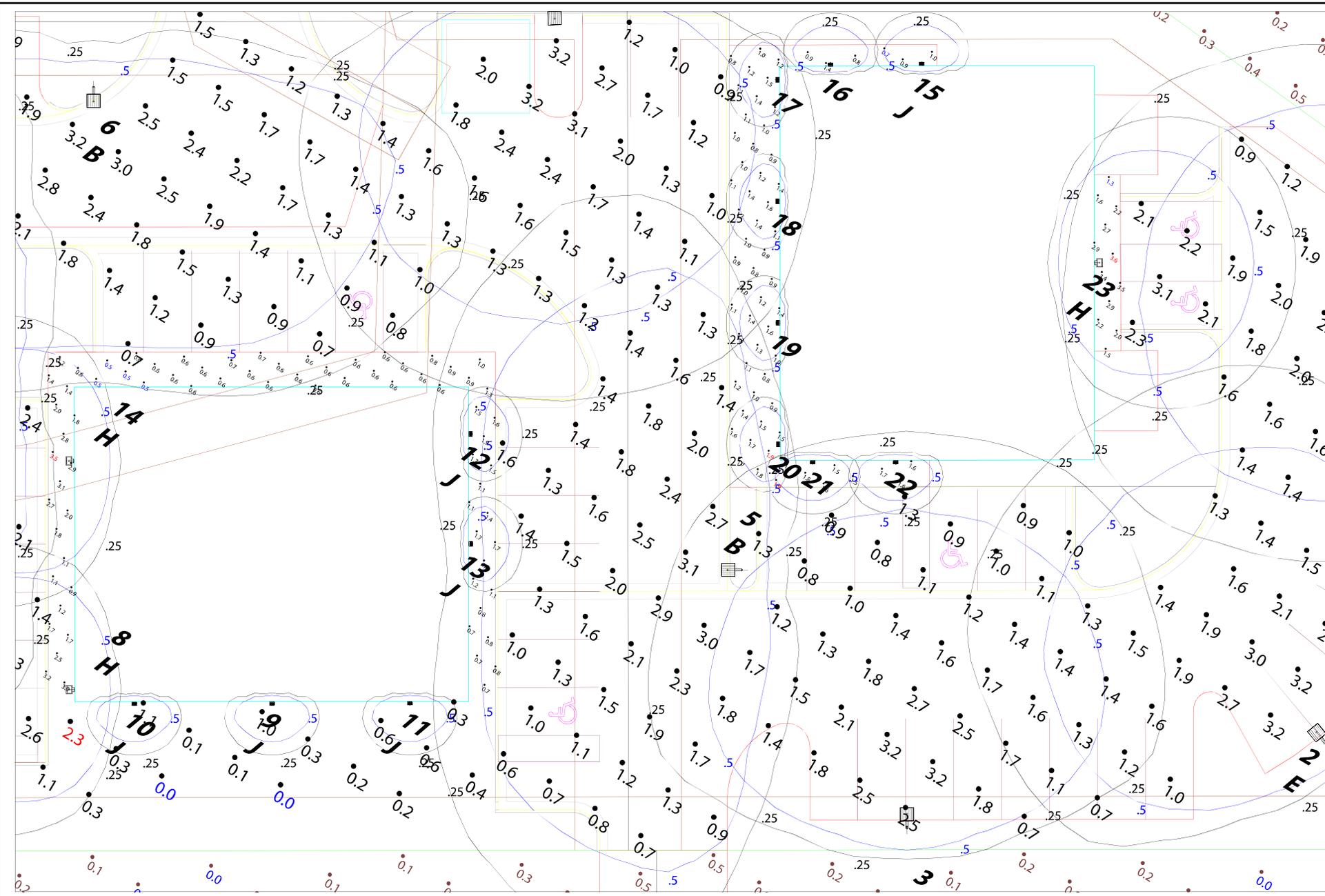
700 Chambers Ave, Building D

Eagle, Colorado

tax rates - Vail, Avon, Eagle is 8.4%

other towns is 4.4%

Item Description	No	Unit	Total Price
Plant Material-Trees			
Collected Aspen 2.0"		8 ea	1000
Ponderosa Pine		6 ea	1800
Plant Material-Shrubs			
Potentilla	5	ea	300
Hard Goods			
T-posts (2 per tree)		28 ea	400
Fabric		120 sf	200
Biosol (bag)		1 ea	49.96
Excelsior Blanket single sided straw		1 ea	60.48
Mulch Bulk cyds		3 ea	60.01
Installation			
Install Trees (2 per hour)		14 pt	630
Install Shrubs (4 per hour)		2.5 hr	135.02
Install Rock (provided, 2 tons)		4 hr	180.03
Miscellaneous Labor		8 fir	360
Install 6' topsoil (3cuyd)		6 hr	270.04
Install Fabric		2 hr	90.01
		hr	
Irrigation parts			
Emitters			
1" Drip Line	400	ea	500
Valve Box	1	ea	41.5
Miscellaneous Parts	1	ea	67.52
Irrigation Installation			
Install Drip Line (60 per hour)			240
Install Valve Box			
Equipment			
Skid Steer			500
Mobilization Crew and Equipment			500
Total			7384.57



Scale: 1 inch= 8 Ft.

Prepared For: Electrical Lines 171 Ludlow Avenue, Northvale, NJ 07642 Phone: 888-732-1000 • info@lighting.com	Job Name: Ph I and Ph III of Eagle Climbing and Fitness Eagle, CO	Project #: 12981	<small> This drawing was prepared by RAB Lighting Inc. ("RAB") for the project identified above. It is the property of RAB and is not to be used for any other project without the written consent of RAB. All dimensions and notes are subject to change without notice. RAB makes no warranty, express or implied, for the accuracy or completeness of this drawing. RAB is not responsible for any errors or omissions. RAB is not responsible for any damage or injury resulting from the use of this drawing. RAB is not responsible for any delay or interruption of service resulting from the use of this drawing. RAB is not responsible for any loss of profit or other damages resulting from the use of this drawing. </small>
	Lighting Layout Version A	Date: 7/12/2019	Case #: 00254442
Drawn By: Donald G. Andrews		Scale: as noted	



Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Description	PtSpcLr	PtSpcTb	Meter Type
CalcPts_Lot 3 Rear	Illuminance	Fc	0.54	2.3	0.0	N.A.	N.A.	Readings taken @ 0'-0" AFG	10	10	Horizontal
CalcPts_Lot 3 Sidewalk	Illuminance	Fc	1.20	3.5	0.5	2.40	7.00	Readings taken @ 0'-0" AFG	4	4	Horizontal
CalcPts_Lot 4 Sidewalk_1	Illuminance	Fc	1.25	1.9	0.7	1.79	2.71	Readings taken @ 0'-0" AFG	4	4	Horizontal
CalcPts_Lot 4 Sidewalk_2	Illuminance	Fc	2.48	3.6	1.3	1.91	2.77	Readings taken @ 0'-0" AFG	4	4	Horizontal
CalcPts_Offsite	Illuminance	Fc	0.03	0.7	0.0	N.A.	N.A.	Readings taken at 0'-0" AFG	10	10	Horizontal
CalcPts_Parking Lot	Illuminance	Fc	1.80	4.8	0.5	3.60	9.60	Readings taken @ 0'-0" AFG	10	10	Horizontal

Expanded Luminaire Location Summary

Project: Lot 3

LumNo	Tag	X	Y	MTG HT	Orient	Tilt
4	E	4756.645	1774.192	25	302.024	0
6	B	4690.249	1716.566	25	300.867	0
7	G	4696.813	1654.9	25	210.867	0
8	H	4744.289	1618.074	18	210.867	0
9	J	4777.798	1635.105	8	300.867	0
10	J	4755.586	1621.817	8	300.867	0
11	J	4800.02	1648.376	8	300.867	0
12	J	4783.935	1697.543	8	30.867	0
13	J	4794.527	1679.822	8	30.867	0
14	H	4722.268	1654.905	18	210.866	0

Total Quantity: 10

Luminaire Schedule

All quotes/orders generated from this layout must be forwarded to the Local Rep Agency

Project: Lot 3

SYM	Qty	Tag	Label	ARR	Lum. Lumens	LLF	Description	Lum. Watts	Total Watts	BUG Rating
☒	1	B	ALED3T78Y_PC	SINGLE	8765	1.000	ALED3T78Y/PC (TYPE III)	76.8	76.8	B1-U0-G2
☒	1	E	ALED4T50Y_PC	SINGLE	6808	1.000	ALED4T50Y/PC (TYPE IV)	54.7	54.7	B1-U0-G2
☒	1	G	ALED2T105Y_PC	SINGLE	12528	1.000	ALED2T105Y/PC (TYPE II)	106.4	106.4	B2-U0-G2
☒	2	H	WPLED18Y	SINGLE	2379	1.000	WPLED18Y (WALLPACK)	20.7	41.4	B1-U0-G1
☒	5	J	WPLED5Y	SINGLE	128	1.000	WPLED5Y	5.3	26.5	B0-U1-G0

Luminaire Tag Summary

Project: Lot 3

Tag	Qty
B	1
E	1
G	1
H	2
J	5



ALED2T78Y_PC



ALED3T78Y_PC



ALED4T78Y_PC



ALED4T50Y_PC



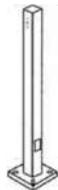
ALED2T105Y_PC



WPLED18Y



WPLED5Y



PS4-07-25D2

Luminaire Tag Summary

Project: Lot 4

Tag	Qty
B	1
E	3
H	1
J	8

Expanded Luminaire Location Summary

Project: Lot 4

LumNo	Tag	X	Y	MTG HT	Orient	Tilt
1	E	4930.087	1813.273	25	210.81	0
2	E	4950.883	1730.166	25	159.928	0
3	E	4891.842	1676.656	25	120.907	0
5	B	4840.162	1701.34	25	210.867	0
15	J	4821.242	1800.551	8	120.866	0
16	J	4806.581	1791.672	8	120.866	0
17	J	4799.539	1784.216	8	210.867	0
18	J	4811.244	1764.64	8	210.867	0
19	J	4822.949	1745.065	8	210.867	0
20	J	4834.654	1725.489	8	210.867	0
21	J	4841.868	1725.954	8	300.755	0
22	J	4855.248	1733.939	8	300.755	0
23	H	4868.535	1785.343	18	30.867	0

Total Quantity: 13

Luminaire Schedule

All quotes/orders generated from this layout must be forwarded to the Local Rep Agency

Project: Lot 4

SYM	Qty	Tag	Label	ARR	Lum. Lumens	LLF	Description	Lum. Watts	Total Watts	BUG Rating
☒	1	B	ALED3T78Y_PC	SINGLE	8765	1.000	ALED3T78Y/PC (TYPE III)	76.8	76.8	B1-U0-G2
☒	3	E	ALED4T50Y_PC	SINGLE	6808	1.000	ALED4T50Y/PC (TYPE IV)	54.7	164.1	B1-U0-G2
☒	1	H	WPLED18Y	SINGLE	2379	1.000	WPLED18Y (WALLPACK)	20.7	20.7	B1-U0-G1
☒	8	J	WPLED5Y	SINGLE	128	1.000	WPLED5Y	5.3	42.4	B0-U1-G0

NOTES:

* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of RAB Lighting Inc.

* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to 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.

* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.

* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the RAB lighting design model. RAB is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.

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

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PROJECT # 12981
 CASE # 0025442
 Scale: as noted
 Date: 7/12/2019
 Home: Home and of Eagle Climbing and Fitness (0025442-001)
 Drawn By: Donald G. Anderson

Job Name:
 Phil and Phyllis of Eagle Climbing and Fitness
 Eagle, CO
 Lighting Layout
 Version A

Prepared For:
 Electrical Lines
 10000 North Avenue Unit C
 Denver, CO 80239
 Tel: 888-839-0591





Color: Bronze

Weight: 32.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.46A
208V	0.27A
240V	0.23A
277V	0.20A
Input Watts	54.8W
Efficiency	91%

LED Info

Watts	50W
Color Temp	3000K (Warm)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	7,127
Efficacy	130 LPW

Technical Specifications

Electrical

Photocell:

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

Surge Protection:

6kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.

THD:

6.1% at 120V, 9.4% at 277V

Power Factor:

99.6% at 120V, 96% at 277V

Driver:

Constant Current, Class 2, 1400mA, 100-277V, 50-60Hz, 0.8A, Power Factor 99%

Listings

UL Listing:

Suitable for wet locations as a downlight

IESNA LM-79 & IESNA 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 requirements for the IDA's "Fixture Seal of Approval" as of March 1, 2016.

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:

3-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

IES Classification:

The Type IV distribution (also known as a Forward Throw) 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 candpower at lateral angles from 90° to 270°.

Effective Projected Area:

EPA = 0.75

IP Rating:

Ingress Protection rating of IP66 for dust and water

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 design with external Air-Flow fins provides maximum operational life, even in high ambient temperature environments

Technical Specifications (continued)

Construction

Housing:

Die cast aluminum housing, lens frame and mounting arm

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.

Other

Patents:

The ALED™ design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

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.

Equivalency:

Replaces 200W Metal Halide

Buy American Act Compliance:

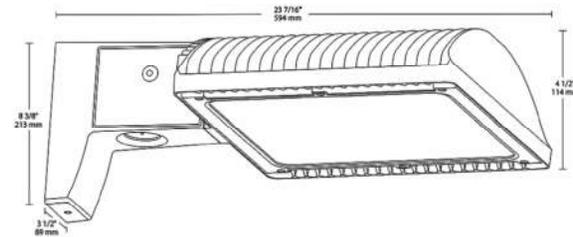
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Optical

BUG Rating:

B0 U0 G1

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	4T	50		Y			/PCT	
	4T = Type IV 3T = Type III 2T = Type II	50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming	Blank = No Option /LC = Lightcloud® Controller /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /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.	Blank = Standard USA = BAA Compliant



Color: Bronze

Weight: 32.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.66A
208V	0.41A
240V	0.35A
277V	0.30A
Input Watts	76.8W
Efficiency	N/A

LED Info

Watts	78W
Color Temp	3000K (Warm)
Color Accuracy	70 CRI
L70 Lifespan	100,000
Lumens	8,765
Efficacy	114.1 LPW

Technical Specifications

Electrical

Photocell:

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

THD:

4.4% at 120V, 12.4% at 277V

Surge Protection:

4kV

Driver:

Constant Current, Class 2, 2000mA, 100-277V, 50-60Hz, 1.1A, Power Factor 99%

Power Factor:

99.5% at 120V, 93.5% 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: P0000179T

UL Listing:

Suitable for wet locations as a downlight

IESNA LM-79 & IESNA 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 requirements for the IDA's "Fixture Seal of Approval" as of March 1, 2016.

LED Characteristics

Lifespan:

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

LEDs:

Six (6) multi-chip, 13W, high-output, long-life LEDs

Color Consistency:

3-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

IES Classification:

The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.

IP Rating:

Ingress Protection rating of IP66 for dust and water

Ambient Temperature:

Suitable For use in 40°C (104°F)

Cold Weather Starting:

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

Thermal Management:

Superior heat sinking with external Air-Flow fins

Technical Specifications (continued)

Construction

Effective Projected Area:

EPA = 0.75

Lens:

Tempered glass lens

Housing:

Die cast aluminum housing, lens frame and mounting arm

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.

Other

Patents:

The ALED design is protected by patents in the U.S. Pat. 668,370, Canada Pat. 144956, China ZL201230100154.X, and Mexico Pat. 38423. Pending patents in Taiwan.

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.

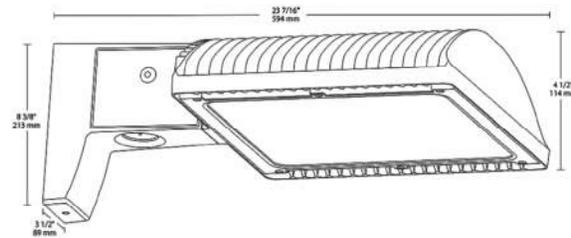
Equivalency:

Equivalent to 250W 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	78		Y			/PCT	
	4T = Type IV 3T = Type III 2T = Type II	50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming	Blank = No Option /LC = Lightcloud® Controller /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /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.	Blank = Standard USA = BAA Compliant



Color: Bronze

Weight: 32.0 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.89A
208V	0.58A
240V	0.50A
277V	0.44A
Input Watts	106.4W
Efficiency	99%

LED Info

Watts	105W
Color Temp	3000K (Warm)
Color Accuracy	71 CRI
L70 Lifespan	100,000
Lumens	12,528
Efficacy	117.7 LPW

Technical Specifications

Electrical

Photocell:

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

THD:

7.6% at 120V, 16.2% at 277V

Surge Protection:

4kV

Power Factor:

99.6% at 120V, 94.4% at 277V

Listings

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: PZ6UFFCU

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 requirements for the IDA's "Fixture Seal of Approval" as of March 1, 2016.

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 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

IES Classification:

The Type II distribution is ideal for wide walkways, on ramps and entrance roadways, bike paths and other long and narrow lighting applications. This type is meant for lighting larger areas and usually is located near the roadside. This type of lighting is commonly found on smaller side streets or jogging paths.

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

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Technical Specifications (continued)

Construction

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

IP Rating:

Ingress Protection rating of IP66 for dust and water

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Other

Compatibility:

Compatible with Round Poles with a diameter of 2.5" to 6"

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.

Equivalency:

Replaces 320W Metal Halide

Buy American Act Compliance:

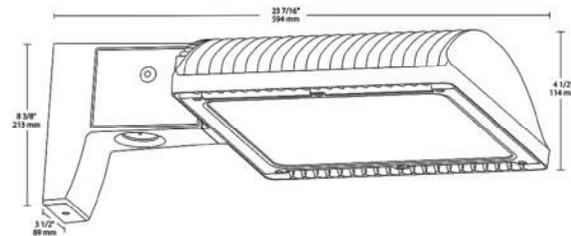
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Optical

BUG Rating:

B1 U0 G2

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	2T	105		Y			/PCT	
	4T = Type IV 3T = Type III 2T = Type II	50 = 50W 78 = 78W 105 = 105W 125 = 125W 150 = 150W	Blank = Pole mount SF = Slipfitter	Blank = 5000K (Cool) N = 4000K (Neutral) Y = 3000K (Warm)	Blank = Bronze RG = Roadway Gray W = White K = Black	Blank = 120-277V /480 = 480V /BL = Bi-Level /D10 = 0-10V Dimming	Blank = No Option /LC = Lightcloud® Controller /PCS = 120V Swivel Photocell /PCS2 = 277V Swivel Photocell /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.	Blank = Standard USA = BAA Compliant



Ultra-high efficiency LED 18 Watt wall pack. patent-pending thermal management system. 100,000 hour L70 lifespan. 5-year, no-compromise warranty.
 Color: Bronze Weight: 7.5 lbs

Project:

Type:

Prepared By:

Date:

Driver Info		LED Info	
Type	Constant Current	Watts	18W
120V	0.17A	Color Temp	3000K (Warm)
208V	0.11A	Color Accuracy	71 CRI
240V	0.09A	L70 Lifespan	100,000
277V	0.08A	Lumens	2,460
Input Watts	20.7W	Efficacy	118.8 LPW
Efficiency	87%		

Technical Specifications

Listings

UL Listing:

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

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: P00001767

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.

LED Characteristics

Lifespan:

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

LED:

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

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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

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 heat sinking with external Air-Flow fins

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color

Reflector:

Semi-specular, vacuum-metalized polycarbonate

Gaskets:

High-temperature silicone gaskets

Housing:

Die-cast aluminum housing, lens frame and mounting arm

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screws

Green Technology:

Mercury and UV free. RoHS-compliant components.

Other

Patents:

The design of WPLED18 is protected by US patent D608,040, Canada patent 138280, and China patent CN301649064S

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.

Technical Specifications (continued)

Other

Replacement:

Replaces 150W 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.

Optical

BUG Rating:

B1 U0 G0

Electrical

Driver:

Constant Current, Class 2, 100-277V, 50/60 Hz, 4 kV surge protection, 500mA, 100-240VAC: 0.3-0.15A, 277VAC: 0.15A, Power Factor: 99%

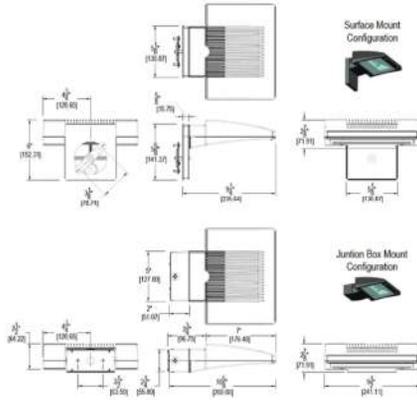
THD:

9.77% at 120V, 18.41% at 277V

Power Factor:

99.2% at 120V, 91.5% at 277V

Dimensions



Features

- Ultra-high efficiency LED 18 Watt wall pack
- Replaces 150W Metal Halide Wall packs
- 100,00-Hour LED Lifespan
- 5-Year, No-Compromise Warranty

Ordering Matrix

Family	Wattage	Color Temp	Finish	Emergency Battery Backup	Options	Other Options
WPLED	18 = 18W	Y = 3000K (Warm) N = 4000K (Neutral) Blank = 5000K (Cool)	W = White Blank = Bronze	Blank = No Battery Backup /E = Standard Battery Backup /EC = Battery Backup with Cold Start	Blank = No Option /PC = 120V Button Photocell /PC2 = 277V Button Photocell	Blank = Standard USA = BAA Compliant



Project: <input type="text"/>	Type: <input type="text"/>
Prepared By: <input type="text"/>	Date: <input type="text"/>

Driver Info		LED Info	
Type	Constant Current	Watts	5W
120V	0.18A	Color Temp	3000K (Warm)
208V	0.18A	Color Accuracy	88 CRI
240V	0.18A	L70 Lifespan	100,000
277V	N/A	Lumens	128
Input Watts	5.3W	Efficacy	24.2 LPW
Efficiency	94%		

Technical Specifications

Listings

UL Listing:

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

IESNA LM-79 & IESNA 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.

LED Characteristics

Lifespan:

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

LEDs:

5W, high-output, long-life LED

Color Temperature (Nominal CCT):

3000K

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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Ambient Temperature:

Suitable For use in 40°C (104°F)

Cold Weather Starting:

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

Housing:

Precision die cast aluminum housing and mounting plate. 1 1/2" backbox with three 1/2" conduit entry points.

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Other

Patents:

The WPLED design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico.

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.

Equivalency:

Equivalent to 13W CFL or 60W Incandescent

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.

Technical Specifications (continued)

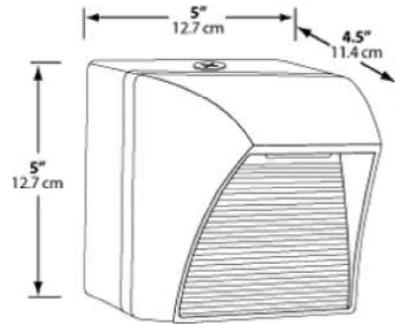
Electrical

Surge Protection:
1 KV

Drivers:

Constant current, Class 2, 100 - 240VAC, 50 - 60 Hz, 0.18 Amps.

Dimensions



Features

- High performance LED light engine
- Maintains 70% of initial lumens at 100,000-hours
- Weatherproof high temperature silicone gaskets
- Superior heat sinking with die cast aluminum housing and external fins
- Replaces 13W CFL or 60W Incandescent
- 100 up to 240 Volts
- 5-Year, No-Compromise Warranty



Square steel poles drilled for 2 Area Lights at 180°. Designed for ground mounting. Poles are stocked nationwide for quick shipment. Protective packaging ensures poles arrive at the job site good as new.

Color: Bronze

Weight: 240.0 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Listings

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:

36,000 p.s.i. minimum yield.

Shipping Protection:

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

Color:

Bronze powder coating

Height:

25 FT

Weight:

240 lbs

Gauge:

7

Wall Thickness:

3/16"

Shaft Size:

4"

Hand Hole Dimensions:

3" x 5"

Bolt Circle:

8 1/2"

Base Dimension:

8"

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 10.7 ft./245 lb.
 80MPH 7.2 ft./165 lb.
 90MPH 4.7 ft./110 lb.
 100MPH 2.9 ft./65 lb.
 110MPH 1.4 ft./35 lb.
 120MPH 0.3 ft./10 lb..

Accessories:

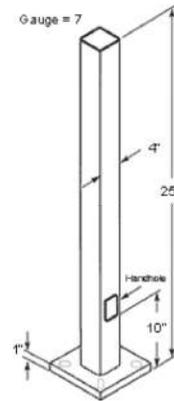
Anchor Bolts: [ABK4-0Z](#)

Technical Specifications (continued)**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.

Dimensions**Features**

- Designed for ground mounting
- Heavy duty TGIC polyester coating
- Reinforced hand holes with grounding lug and removable cover for easy wiring access
- Anchor Bolt Kit includes pole cap and base cover (sold separately)
- Custom manufactured for each application