

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN COMPLIANCE WITH ALL LOCAL CODES.
2. ELECTRICAL CONTRACTOR SHALL VISIT SITE AND EXAMINE DRAWINGS OF OTHER TRADES ON THIS PROJECT, ARCHITECTURAL AND MECHANICAL, TO DETERMINE ANY ADDITIONAL WORK THAT MAY BE REQUIRED FOR A COMPLETE AND OPERATIONAL ELECTRICAL INSTALLATION AND SHALL INCLUDE AN ALLOWANCE FOR THIS WORK IN HIS BID.
3. CONTRACTOR SHALL BE HELD RESPONSIBLE FOR VERIFICATION OF EXISTING JOB CONDITIONS PRIOR TO BID. NO ADDITIONAL COSTS SHALL BE AWARDED TO THE SUCCESSFUL CONTRACTOR OR HIS SUBCONTRACTORS.
4. THE CONDUIT SYSTEM AND ALL CONDUCTING WIRE ENCLOSURES SHALL BE SECURELY BONDED TOGETHER.
5. ALL ELECTRICAL PANELS SHALL ACCESSIBLE AND CLEAR OF ALL OBSTRUCTIONS WITH MINIMAL CLEARANCES PER NEC REQUIREMENTS.
6. PROVIDE WRITTEN IDENTIFY PANEL DOOR DIRECTORIES FOR ALL AFFECTED PANELS REFLECTING ALL CIRCUITS WITH THEIR ACCURATE DESIGNATIONS.
7. RECEPTANCES 120V DUPLEX GROUNDING TYPE, SHALL BE APPROVED TYPE.
8. SWITCHES SHALL BE TOGGLE TYPE AND APPROVED TYPE.
9. ALL ELECTRICAL EQUIPMENT, DEVICES, CIRCUITING, ETC. SHOWN DIAGRAMMATICALLY ONLY, ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ACTUAL LOCATION AND WIRING AVOIDING MECHANICAL AND OTHER EQUIPMENT.
10. FURNISH AND INSTALL LIGHTING FIXTURES COMPLETE WITH LAMPS, BALLASTS, AND REQUIRED MOUNTING HARDWARE. PRIOR TO ORDERING FIXTURES, VERIFY SECURE MOUNTING METHODS AND FINISHES.
11. THESE NOTES ARE GENERAL AND MAY NOT APPLY TO THE EXACT SCOPE OF WORK.

CPA Load Information						
BASE MODEL	80 MPH w/1.3 GUST		90 MPH w/1.3 GUST		100 MPH w/1.3 GUST	
	MAX EPP (SOFT)	MAX WEIGHT (LBS)	MAX EPP (SOFT)	MAX WEIGHT (LBS)	MAX EPP (SOFT)	MAX WEIGHT (LBS)
VS-SSEA-10-04-01-1A-FF	36.6	765	23.8	595	18.9	473
VS-SSEA-12-04-01-1A-FF	18.4	474	12.4	318	10.7	273
VS-SSEA-14-04-01-1A-FF	19.9	498	15.1	378	11.7	293
VS-SSEA-15-04-01-1A-FF	19.9	398	11.8	295	8.9	223
VS-SSEA-15-40-01-1A-FF	15.9	398	9.8	255	8.9	223
VS-SSEA-16-04-01-1A-FF	17.6	455	12.7	329	9.7	248
VS-SSEA-20-04-01-1A-FF	6.6	240	6.7	167	4.5	150
VS-SSEA-20-04-07-1A-FF	19.8	240	12.7	167	9	150
VS-SSEA-20-50-01-1A-FF	17.7	443	12.7	343	9.4	235
VS-SSEA-30-50-01-1A-FF	28.1	703	21.4	555	16.2	405
VS-SSEA-30-50-07-1A-FF	4.8	180	2.6	95	1	35
VS-SSEA-25-04-07-1A-FF	10.8	270	7.7	188	5.4	135
VS-SSEA-25-05-01-1A-FF	8.9	245	6.3	157	3.7	150
VS-SSEA-25-05-07-1A-FF	18.5	463	13.3	333	9.5	238
VS-SSEA-30-05-01-1A-FF	6.7	168	4.4	110	2.6	65
VS-SSEA-30-05-01-1A-FF	4.7	150	2	50	N/A	N/A
VS-SSEA-30-50-07-1A-FF	10.7	267	6.7	167	3.9	100
VS-SSEA-30-60-07-1A-FF	19	475	13.2	330	9	225
VS-SSEA-35-05-01-1A-FF	5.9	150	2.5	100	N/A	N/A
VS-SSEA-35-07-07-1A-FF	12.4	318	7.5	190	4.2	105
VS-SSEA-40-06-07-1A-FF	7.2	180	3	75	N/A	N/A

BASE MODEL	NOMINAL MOUNTING HEIGHT	POLE DIMENSIONS				BASE PLATE				ANCHOR BOLTS		
		TOP SQ (IN)	BASE SQ (IN)	WALL THK (GA)	STRUCTURE DIA (IN)	MULTICOLE DIA (IN)	SQ (IN) x THK (IN)	DIA x LENGTH x HOOK (IN)		PROJECTION (IN)		
VSSSA-10-040-11-AB-FP	10'-0"	4	4	11	80	8.0	8.5x0.075	0.75x17.00x3.00		3.25-3.75		
VSSSA-12-040-11-AB-FP	12'-0"	4	4	11	90	8.0	8.5x0.075	0.75x17.00x3.00		3.25-3.75		
VSSSA-14-040-11-AB-FP	14'-0"	4	4	11	100	8.0	8.25x0.075	0.75x17.00x3.00		3.25-3.75		
VSSSA-16-040-11-AB-FP	16'-0"	4	4	11	110	8.0	8.25x0.075	0.75x17.00x3.00		3.25-3.75		
VSSSA-16-040-11-AB-FP	16'-0"	4	4	11	115	8.0	8.25x0.075	0.75x17.00x3.00		3.25-3.75		
VSSSA-18-040-11-AB-FP	18'-0"	4	4	11	125	8.0	8.25x0.075	0.75x17.00x3.00		3.25-3.75		
VSSSA-20-040-11-AB-FP	20'-0"	4	4	11	140	8.0	8.0	8.25x0.075		0.75x17.00x3.00		3.25-3.75
VSSSA-20-040-07-AB-FP	20'-0"	4	4	7	200	8.0	8.25x0.0875	0.75x17.00x3.00		3.38-3.88		
VSSSA-22-040-11-AB-FP	22'-0"	5	5	11	185	10.0	11x1	0.75x17.00x3.00		3.5-4.4		
VSSSA-22-050-07-AB-FP	22'-0"	5	5	7	205	10.0-12.0	11x1	0.75x17.00x3.00		3.5-4.4		
VSSSA-25-040-11-AB-FP	25'-0"	4	4	11	170	8.0	8.25x0.075	0.75x17.00x3.00		3.25-3.75		
VSSSA-25-050-07-AB-FP	25'-0"	4	4	7	245	8.0	8.25x0.0875	0.75x17.00x3.00		3.38-3.88		
VSSSA-25-050-11-AB-FP	25'-0"	5	5	11	225	10.0-12.0	11x1	0.75x17.00x3.00		3.5-4.4		
VSSSA-25-050-11-AB-FP	25'-0"	5	5	11	230	10.0-12.0	11x1	0.75x17.00x3.00		3.5-4.4		
VSSSA-30-040-07-AB-FP	30'-0"	4	4	7	291	8.0-9.0	8.25x0.0875	0.75x17.00x3.00		3.38-3.88		
VSSSA-30-050-11-AB-FP	30'-0"	5	5	11	265	10.0-12.0	11x1	0.75x17.00x3.00		3.5-4.4		
VSSSA-30-050-07-AB-FP	30'-0"	5	5	7	380	10.0-12.0	11x1	0.75x17.00x3.00		3.5-4.4		
VSSSA-30-606-07-AB-FP	30'-0"	6	6	7	520	11.0-13.0	12.5x1	1.00x36.00x4.00		4-4.5		
VSSSA-35-050-11-AB-FP	35'-0"	5	5	7	440	10.0-12.0	11x1	0.75x17.00x3.00		3.5-4.4		
VSSSA-40-050-11-AB-FP	40'-0"	5	5	7	540	10.0-12.0	11x1	0.90x36.00x4.00		4-4.5		
VSSSA-40-606-07-AB-FP	40'-0"	6	6	7	605	11.0-13.0	12.5x1	1.00x36.00x4.00		4-4.5		

- This specification brochure is intended to serve as a general guide. Our products are continually being engineered and improved, and specifications are subject to change without notice.



CAP DETAIL (STANDARD)

SQUARE PLASTIC TOP PUSH CAP

POLE MAY BE DRILLED TO ACCEPT SIDE MOUNTED FIXTURE IF REQUIRED.

SQUARE POLE SHAFT

P2 TENON DETAIL (OPTIONAL)

4.00"

2.0" SCHED 80 PIPE TENON

SQUARE POLE PLATE WITH WIRE ENTRANCE HOLE (DEBURRED)

POLE SHAFT

FULL BASE COVER (STANDARD)

2-PIECE COVER FINISHED TO MATCH POLE

POLE BASE AND HANDHOLE DETAIL

0.50" NUT HOLDER FOR GROUNDING

2.50" X 5.00" HANDHOLE RIM WITH COVER

1' - 6"

THICKNESS

BOLT CIRCLE

SQUARE

SLOTTED BOLT HOLES

POLE DETAIL

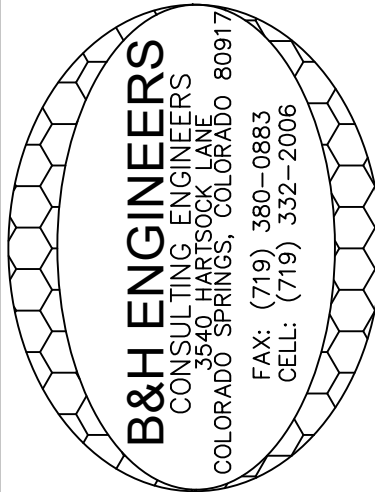
MOUNTING HEIGHT

1' - 6"

REINFORCED HANDHOLE WITH COVER AND GROUNDING

4 - ANCHOR BOLTS WITH THREADED END GALVANIZED 12" MIN. EACH BOLT FURNISHED WITH 2 HEX NUTS AND 2 FLAT WASHERS.

Rev. V09122018



3340 HARTSUCK LANE
COLORADO SPRINGS, COLORADO 80917
(719) 332-2006

DATE: 3-02-20	REVISION/DATE
JOB NO.	
DRAWN BY: B&H	
CHECKED BY: BP	

1830 MAIN ST
COLORADO SPRINGS, CO 80911

B&H ENGINEERS

PHOTO METRIC SCHEDULES

PM-2
12 OF 16

"A" LIGHT

ALED26

RAB



Color: Bronze

Weight: 6.3 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	26.00W
120V	0.17A	Color Temp	5000K (Cool)
208V	0.11A	Color Accuracy	72 CRI
240V	0.10A	L70 Lifespan	100,000
277V	0.09A	Lumens	3,483
Input Watts	29.10W	Efficacy	119.7 LPW
Efficiency	89%		

Technical Specifications

Listings

UL Listed:

Suitable for wet locations

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 IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

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: P00001700

LED Characteristics

Lifespan:

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

Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent future-to-future 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

Ingress Protection rating of IP66 for dust and water

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 semi-circular distribution with essentially the same candela power at lateral angles from 90° to 270°.

Housing:

Precision die-cast aluminum housing, lens frame

Gaskets:

High-temperature silicone

Effective Projected Area:

EPA = 0.27

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components

Ambient Temperature:

Suitable For use in 40°C (104°F)

Cold Weather Starting:

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

Other

Patents:

The ALED design is protected by U.S. PATENT D608,040 and patents pending in the U.S., Canada, China, Taiwan and Mexico.

ALED26

RAB

Technical Specifications (continued)

Other

Equivalency: Equivalent to 125W Pulse Start 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.

Optical

BUG Rating:

81 LU G0

Electrical

Driver:

Multi-chip 26W high output long life LED Driver Constant Current, 720mA, Class 2, 8kV Surge Protection, 100V-277V, 50-60 Hz, 100-240V/4 Arms.

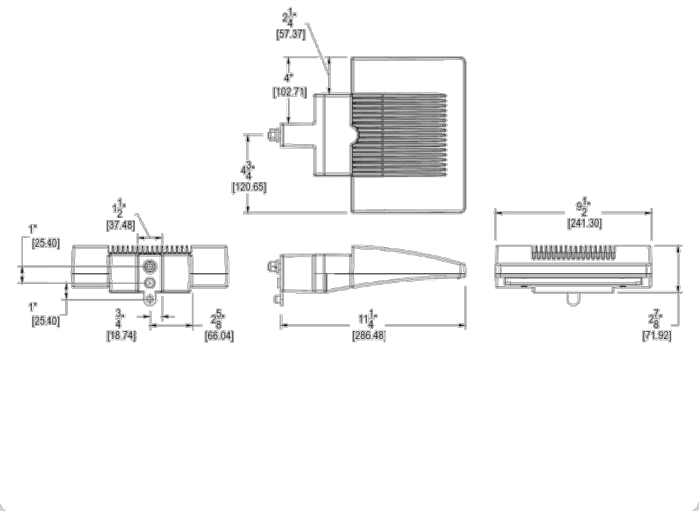
THD:

11.91% at 120V, 9.58% at 277V

Power Factor:

99.1% at 120V, 93.1% at 277V

Dimensions



Features

High output 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

Need help? Tech help line: (888) 722-1000 Email: custserv@rablighting.com Website: www.rablighting.com
Copyright © 2019 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Page 2 of 2

"B" LIGHT

ALED10

RAB



Color: Bronze

Weight: 3.2 lbs

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	10.00W
120V	0.1A	Color Temp	5000K (Cool)
208V	0.07A	Color Accuracy	73 CRI
240V	0.05A	L70 Lifespan	100,000
277V	0.05A	Lumens	1,208
Input Watts	12.40W	Efficacy	97.4 LPW
Efficiency	81%		

Technical Specifications

Listings

UL Listed:

Suitable for wet locations

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 IDA's fully shielding requirement, emitting no light above 90 degrees (with the exclusion of incidental light reflecting from fixture housing, mounts, and pole).

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: PTWJ0WB

LED Characteristics

Lifespan:

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

Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent future-to-future 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

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.

Housing:

Integral-cast aluminum mounting pad and external fins for optimum heat sinking to ensure cool operation with maximum LED life and light output

Gaskets:

High-temperature silicone

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Effective Projected Area:

EPA = 0.2

Cold Weather Starting:

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

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

Maximum EPA:

Fixed Arm = 0.10.

Other

Patents: The design of the ALED is protected by patents pending in Canada, U.S., China and Taiwan.

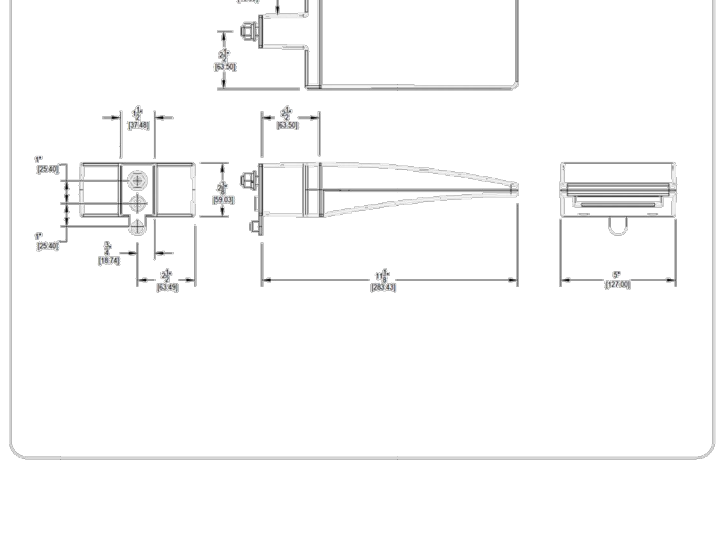
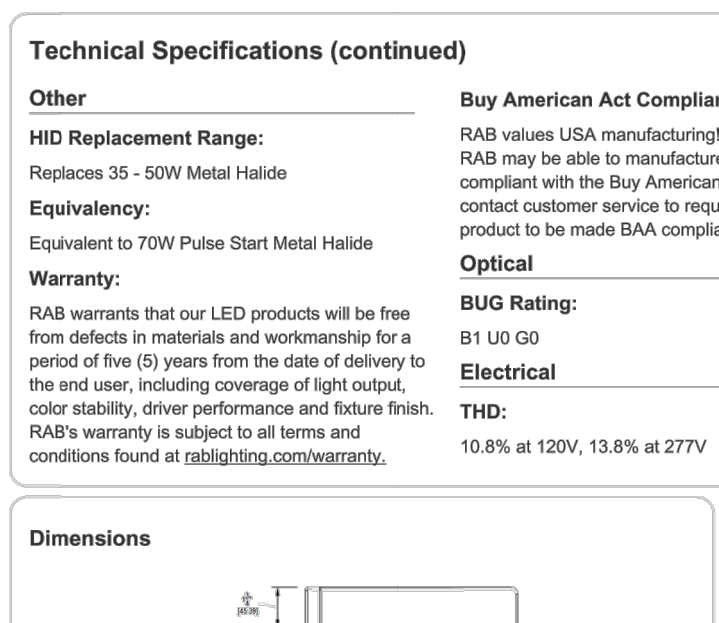
Need help? Tech help line: (888) 722-1000 Email: custserv@rablighting.com Website: www.rablighting.com
Copyright © 2019 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Page 1 of 2

"B" LIGHT

ALED10

RAB



Dimensions

Features

High output 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

Technical Specifications (continued)

Other

HID Replacement Range: Replaces 35 - 50W Metal Halide

Equivalency:

Equivalent to 70W Pulse Start 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.

Optical

BUG Rating:

81 LU G0

Electrical

THD:

10.8% at 120V, 13.8% at 277V

Power Factor:

98.5% at 120V, 92.1% at 277V

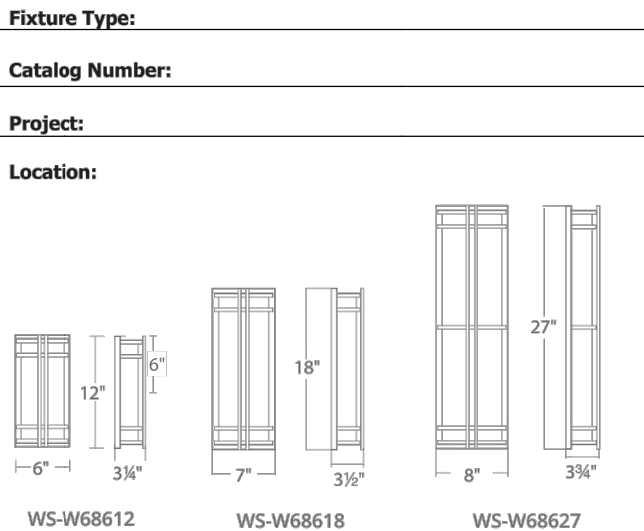
Need help? Tech help line: (888) 722-1000 Email: custserv@rablighting.com Website: www.rablighting.com
Copyright © 2019 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Page 2 of 2

"C" LIGHT

SKYSCRAPER Exterior Scones
WS-W68612 / WS-W68618 / WS-W68627

MODERN FORMS



PRODUCT DESCRIPTION

Elevate your space. A classic architectural design thoughtfully engineered for robustness to withstand commercial use for interiors or exteriors. A UV stabilized acrylic diffuser and marine grade stainless steel structure complete this specification-grade wall mount luminaire. Available in either black, bronze or stainless steel finish.

FEATURES

- F1-rated acrylic
- Weather-resistant powder coat
- SS - 316 marine-grade stainless steel or bronze-finished aluminum (BZ & BK - Aluminum construction)
- No transformer or driver needed
- 277V options available
- Dimmer: ELV
- Rated Life: 80,000 hours
- Color temp: 3000K
- 2700K and 3500K special order
- CRI:90

ORDER NUMBER

Model	Height	Wattage	Voltage	LED Lumens	Delivered Lumens	Finish
WS-W68612	12"	12W		605	418	BK Black
WS-W68618	18"	19W	120V	1099	741	BZ Bronze
WS-W68627	27"	24W		1272	880	SS Stainless Steel

Example: WS-W68612-BZ
For 277V special order, add an "F" before the finish: WS-W68612F-BZ
For 2700K add ~27~; 3500K add ~35~ before the finish: WS-W68618-35-SS

modernforms.com Phone (866) 815.6615 Fax (800) 526.2585 Headquarters/Extern Distribution Center 44 Harbor Park Drive Port Washington, NY 11050 Central Distribution Center 1600 Distribution Ct Lithia Springs, GA 30122 Western Distribution Center 1750 Archbald Avenue Ontario, CA 91760

Modern Forms retains the right to modify the design of our products at any time as part of the company's continuous improvement program. Feb 2019

"D" LIGHT

WPLED10

RAB



LED 10W & 13 Wall packs, patent-pending thermal management system. 100,000 hour L70 lifespan. 5-year, no-compromise warranty.
Color: Bronze Weight: 3.3 lbs

Technical Specifications

Listings

UL Listed:

Suitable for Wet Locations as a Downlight. Suitable for Damp Locations as an Uplight, Wall Mount only. Suitable for Mounting within 4ft. of 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.

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: PXP2J2LL

LED Characteristics

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

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent future-to-future 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 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

Lumen Maintenance:

The LED will deliver 70% of its initial lumens at 100,000 hours of operation

Construction

Finish:

Formulated for high durability and long-lasting color

Cold Weather Starting:

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

Maximum Ambient Temperature:

Suitable for use in 40°C (104°F)

Housing:

Precision die-cast aluminum housing, lens frame

Mounting:

Surface plate and Junction box

Green Technology:

Mercury and UV free. RoHS-compliant components.

Gaskets:

High-temperature Silicone

Electrical

Driver:

Multi-chip 10W high output long life LED Driver Constant Current, Class II, 120V-240V, 50/60 Hz, 350mA

THD:

10.8% at 120V, 13.8% at 277V

Power Factor:

98.5% at 120V, 92.1% at 277V

Other

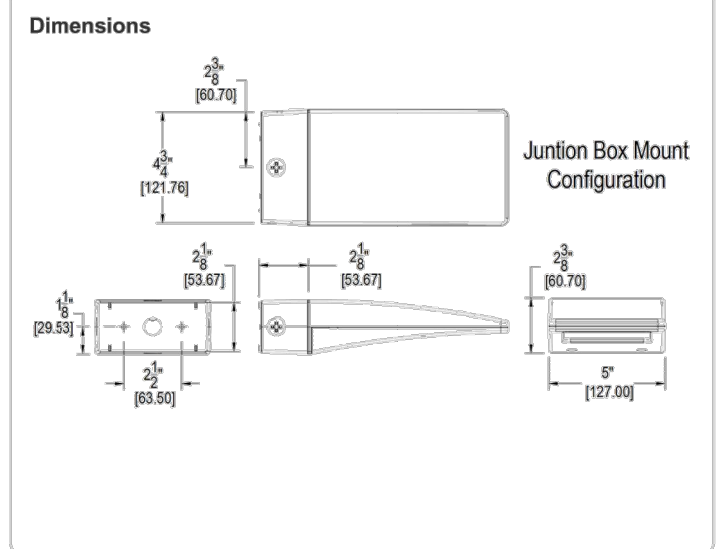
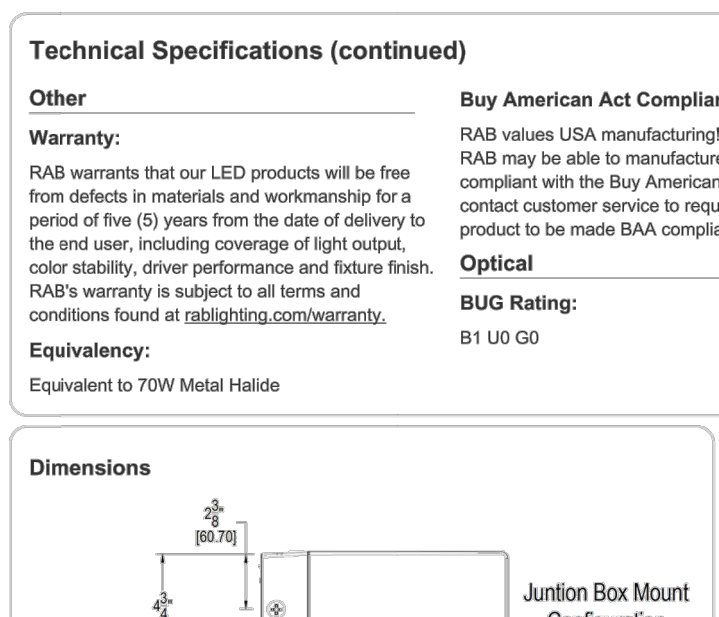
Patents: The LPACK design is protected under patents in the U.S. Pat. D608,040; Canada Pat. 190,243; China Pat. 200930183252.2, and pending patents in Taiwan and Mexico.

Need help? Tech help line: (888) 722-1000 Email: custserv@rablighting.com Website: www.rablighting.com
Copyright © 2019 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice

Page 1 of 3

WPLED10

RAB



Technical Specifications (continued)

Other

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 70W 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:

81 LU G0

Features