



- FEATURES**
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
 - 45° cutoff for source and source image
 - Top-down finish characteristic
 - Polycarbonate lens integral to light engine
- MECHANICAL SYSTEM**
- 16-gauge galvanized steel construction, maximum 1-1/2" ceiling thickness
 - Telescopic mounting bars maximum of 32", pre-installed, 4" vertical adjustment
 - Toolless adjustments post installation
 - Junction box capacity: 8 (4 in, 4 out) 12AWG rated for 90°C
 - Light engine and driver accessible through aperture
- ELECTRICAL SYSTEM**
- Fully serviceable and upgradeable lensed LED light engine
 - 70% lumen maintenance at 60,000 hours
 - Tocked according to LM-79 and LM-80 standards
 - Overload and short circuit protected
 - 2.5 SDCM; 85 CRI typical, 90+ CRI optional
- LISTINGS**
- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling. ENERGY STAR® certified product.
- WARRANTY**
- 5 year limited warranty. Complete warranty terms located at: www.aaculighting.com/customerresources/terms_and_conditions.aspx

NOMINAL LUMENS	DELIVERED LUMENS*	WATTAGE	LUMENS PER WATT
1000	1074	11.8	91.4
1500	1595	18.5	86.2
2000	2064	23.2	89.2
2500	2600	29.5	90.2
3000	3077	35.6	86.1
3500	3665	42.1	87.1
4000	4050	48.1	84.2
4500	4623	45.9	86.6
5000	5266.3	48.66	108.0
6000	6371.4	57.61	110.6
8000	8246.7	74.89	110.1
10000	10526.5	97.13	108.5
12000	12322	115.0	107.2
15000	15776	150.3	104.5
17000	17801	173.3	103.5

Note: Actual performance may differ as a result of end user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C.

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for r/c/light control networks when ordered with drivers marked by a **Shaded Background**
- This luminaire is part of an A+ Certified solution for r/c/light control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a **Shaded Background**

To learn more about A+, visit www.acuitybrands.com/a+.

*See ordering tree for details.

WINONA
solutions | forms | light

SPECIFICATIONS | **STEP**

STEP 13
12-Long

Construction
Die cast housing with solid aluminum trim, or stainless steel facerails. Step 13 is a surface mount step light that mounts over a Step City 3-13" (800) recessed trim (RTR) or standard trim. Recessed trim option requires mounting with an visible fastener.

Finish
Recessed surface has a ribbed design with matte black finish to reduce glare. Facerails are available in the most finishes with protective clear coat or one of seven powder coated color finishes. A primer only finish is also available for field painting.

Source
Light source consists of eight powered LEDs available in five color temperatures & six colored LED choices.

Optics
A concealed reflector provides a long light distribution for illumination of large areas.

Electrical
20' length @ 100' CRI, dimming, constant current driver, 120-277VAC, 47-63W. Non-Dimming & Dimming with constant 18 watts.

Environment
ETL ETL listed dry location or optional wet location.

Dimensions
12 inch - Long Distribution

CATALOG NUMBER
Example: STEP13 INT 12LONG L LST24 WHT30K MVOLT BA

Series	Environment	Length	Distribution	Source	Color Temperature
STEP13 Step 13	W, Wet Location	12.0000	12 inch nominal length	L Long	LST24 LED Step 2

Finish	Driver	Finish	Driver	Finish	Driver	Finish	Driver
WHIT	Multi Volt 120V-277V	WHIT	Standard Driver	WHIT	Standard Driver	WHIT	Standard Driver

Notes:

- *Available by modification only. Consult factory.

Urban Indoor/Outdoor LED Wall Sconce
By Modern Forms



- Product Options**
- Finishes: Black, Bronze, Graphite
Sizes: Small, Medium, Large
- Details**
- Material: Aluminum
 - Shade Material: Aluminum
 - Electronic low voltage (ELV) Dimmer
 - AIAA compliant, Dark Sky compliant
 - UL Listed Wet
 - Made in China
- Dimensions**
- Small Option Fixture: Width 7", Height 10", Depth 2"
Medium Option Fixture: Width 7", Height 16", Depth 2"
Large Option Fixture: Width 8", Height 22", Depth 2"
- Lighting**
- Small Option: 12 Watt (720 Lumens) 120 Volt Integrated LED, CRI: 85, Color Temp: 3000K Lifespan: 50000 hours
 - Medium Option: 18 Watt (840 Lumens) 120 Volt Integrated LED, CRI: 85, Color Temp: 3000K Lifespan: 50000 hours
 - Large Option: 20 Watt (1200 Lumens) 120 Volt Integrated LED, CRI: 85, Color Temp: 3000K Lifespan: 50000 hours

Additional Details

Product URL:
<https://www.lumens.com/urban-indoor-outdoor-led-wall-sconce-by-modern-forms>

Product ID: uu504623

Prepared by: [Blank]

Prepared for: [Blank]

Project: [Blank]

Room: [Blank]

Placement: [Blank]

Approval: [Blank]

Created July 23rd, 2020



1 LIGHT FIXTURE TYPE A
scale: N.T.S.

2 LIGHT FIXTURE TYPE B
scale: N.T.S.

3 LIGHT FIXTURE TYPE C
scale: N.T.S.

BLED13N | **RAB**

Project: [Blank] | **Type:** [Blank]

Prepared By: [Blank] | **Date:** [Blank]

Driver Info		LED Info	
Type:	Constant Current	Watts:	13W
120V:	0.15A	Color Temp:	4000K
200V:	0.08A	Color Accuracy:	86 CRI
240V:	0.07A	L70 lifespan:	100,000
277V:	0.06A	Lumens:	1530
Input Watts:	15W	Efficiency:	152 LPW
Efficiency:	89%		

Technical Specifications

Listings: Suitable for wet locations

UL Listing: Suitable for wet locations

IESNA LM-79 & IESNA LM-80 Testing: RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and 80, and have received the Department of Energy "Lighting Facts" label

LED Characteristics

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

Color Temperature: adjust

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

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 Standards Institute for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.37-2017.

Construction: Suitable for wet locations

Junction Box: Junction Box Not Included

Maximum Ambient Temperature: Suitable for use in 50°C (122°F) ambient temperatures

Cold Weather Starting: The minimum starting temperature is -30°C (-22°F)

Green Technology: Mercury and UV-free, RoHS compliant components. Polyester powder coat finish formulated without the use of VOCs or toxic heavy metals.

Housing: Precision die cast aluminum housing, lens frame

Mounting: 42" Boltard

High Temperature: high temperature silicone

Finish: Formulated for high durability and long lasting color

Anchor Bolt: The anchor bolts for the BLED's have the following dimensions 1/2" x 12 1/4" long with 2 3/4" hook.

Electrical:

Driver: Multi-chip 13W high output long life LED Driver Constant Current, Class 2 100V - 277V, 50/60 Hz

Surge Protection: 4kV

Other: 4V

Patents: The design of the BLED is protected by patents pending in Canada, U.S., FR, ES, DE, JP, and TW.

Warnings: RAB warrants that our LED products will be free from defects in materials and workmanship for a period of 5 (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Equivalency: Equivalent to TDM Metal Halide

Buy American Act Compliance: RAB values USA manufacturing! Upon request, RAB may be able to manufacture the 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 U0 G0

KAD LED
LED Area Luminaire

Specifications

EPA: 1.2 ft² (0.11 m²)

Length: 17-1/2" (443 mm)

Width: 11-1/2" (292 mm)

Height: 7-1/8" (183 mm)

Weight: 36 lbs. (16.3 kg)

Capable Luminaire

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and system-level interoperability.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is A+ Certified when ordered with DTL controls marked by a **Shaded Background**
- DTL equipped luminaires meet the A+ specification for luminaire to photocell interoperability

This luminaire is part of an A+ Certified solution for ROAM/P2 or XPoint™ Wireless control networks, providing out-of-the-box control compatibility with simple commissioning, when ordered with drivers and control options marked by a **Shaded Background**

To learn more about A+, visit www.acuitybrands.com/a+.

1. See ordering tree for details.
2. A+ Certified Solutions for ROAM require the order of one ROAM node per luminaire. Sold Separately. Link to Roam: [Link to DTL DLL](#)

Ordering Information | EXAMPLE: KAD LED 40C 1000 40K R5 MVOLT SPD04 DDBXD

Series	LEDs	Wattage	CCT	Distribution	Voltage	Mounting	Shipped included	Shipped separately
KAD LED	20C 20LEDs	330	5000K	30K 300x104	84 1/2" x 11 1/2"	MSD121 277V	SPD04	SPD04

Notes:

Shipped included:

- PER30: Metal base kit for wire receptacle only (for residential)
- PER31: Same wire receptacle kit as PER30 (for commercial)
- SP: Single bar (12.25" x 17.75")
- SB: Double bar (20.5" x 17.75")
- PR: 1/2" level, maximum ambient noise & 10' repeating high ambient noise enabled at 25 °C
- PRN: 1/2" level, maximum ambient noise, 5.5' repeating high ambient noise enabled at 25 °C

Shipped separately:

- MS: Wire guard
- PMW20: Per right dim 200V
- PMW30: Per right dim 277V
- PMW40: Per right dim 480V
- PMW50: Per right dim 575V
- MS: Wire guard
- DBD0: Dark bronze
- DBD1: Dark bronze/black
- DBD2: Dark bronze/aluminum
- DBD3: Dark bronze/black/aluminum
- DBD4: Dark bronze/black/aluminum
- DBD5: Dark bronze/black/aluminum
- DBD6: Dark bronze/black/aluminum
- DBD7: Dark bronze/black/aluminum
- DBD8: Dark bronze/black/aluminum
- DBD9: Dark bronze/black/aluminum
- DBD10: Dark bronze/black/aluminum
- DBD11: Dark bronze/black/aluminum
- DBD12: Dark bronze/black/aluminum
- DBD13: Dark bronze/black/aluminum
- DBD14: Dark bronze/black/aluminum
- DBD15: Dark bronze/black/aluminum
- DBD16: Dark bronze/black/aluminum
- DBD17: Dark bronze/black/aluminum
- DBD18: Dark bronze/black/aluminum
- DBD19: Dark bronze/black/aluminum
- DBD20: Dark bronze/black/aluminum
- DBD21: Dark bronze/black/aluminum
- DBD22: Dark bronze/black/aluminum
- DBD23: Dark bronze/black/aluminum
- DBD24: Dark bronze/black/aluminum
- DBD25: Dark bronze/black/aluminum
- DBD26: Dark bronze/black/aluminum
- DBD27: Dark bronze/black/aluminum
- DBD28: Dark bronze/black/aluminum
- DBD29: Dark bronze/black/aluminum
- DBD30: Dark bronze/black/aluminum
- DBD31: Dark bronze/black/aluminum
- DBD32: Dark bronze/black/aluminum
- DBD33: Dark bronze/black/aluminum
- DBD34: Dark bronze/black/aluminum
- DBD35: Dark bronze/black/aluminum
- DBD36: Dark bronze/black/aluminum
- DBD37: Dark bronze/black/aluminum
- DBD38: Dark bronze/black/aluminum
- DBD39: Dark bronze/black/aluminum
- DBD40: Dark bronze/black/aluminum
- DBD41: Dark bronze/black/aluminum
- DBD42: Dark bronze/black/aluminum
- DBD43: Dark bronze/black/aluminum
- DBD44: Dark bronze/black/aluminum
- DBD45: Dark bronze/black/aluminum
- DBD46: Dark bronze/black/aluminum
- DBD47: Dark bronze/black/aluminum
- DBD48: Dark bronze/black/aluminum
- DBD49: Dark bronze/black/aluminum
- DBD50: Dark bronze/black/aluminum
- DBD51: Dark bronze/black/aluminum
- DBD52: Dark bronze/black/aluminum
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- DBD60: Dark bronze/black/aluminum
- DBD61: Dark bronze/black/aluminum
- DBD62: Dark bronze/black/aluminum
- DBD63: Dark bronze/black/aluminum
- DBD64: Dark bronze/black/aluminum
- DBD65: Dark bronze/black/aluminum
- DBD66: Dark bronze/black/aluminum
- DBD67: Dark bronze/black/aluminum
- DBD68: Dark bronze/black/aluminum
- DBD69: Dark bronze/black/aluminum
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- DBD75: Dark bronze/black/aluminum
- DBD76: Dark bronze/black/aluminum
- DBD77: Dark bronze/black/aluminum
- DBD78: Dark bronze/black/aluminum
- DBD79: Dark bronze/black/aluminum
- DBD80: Dark bronze/black/aluminum
- DBD81: Dark bronze/black/aluminum
- DBD82: Dark bronze/black/aluminum
- DBD83: Dark bronze/black/aluminum
- DBD84: Dark bronze/black/aluminum
- DBD85: Dark bronze/black/aluminum
- DBD86: Dark bronze/black/aluminum
- DBD87: Dark bronze/black/aluminum
- DBD88: Dark bronze/black/aluminum
- DBD89: Dark bronze/black/aluminum
- DBD90: Dark bronze/black/aluminum
- DBD91: Dark bronze/black/aluminum
- DBD92: Dark bronze/black/aluminum
- DBD93: Dark bronze/black/aluminum
- DBD94: Dark bronze/black/aluminum
- DBD95: Dark bronze/black/aluminum
- DBD96: Dark bronze/black/aluminum
- DBD97: Dark bronze/black/aluminum
- DBD98: Dark bronze/black/aluminum
- DBD99: Dark bronze/black/aluminum
- DBD100: Dark bronze/black/aluminum

4 LIGHT FIXTURE TYPE SC
scale: N.T.S.

5 LIGHT FIXTURE TYPE SA and SB
scale: N.T.S.

MEGERDICHIAN SENIOR CENTER
8849 E. CHOLLA ST.
SCOTTSDALE, AZ 85260

PRE-CONSTRUCTION PHASE

NO.	ISSUED FOR:	DATE
1	REZONING & C.U.P.	12-13-2018
2	REZONING & C.U.P.	10-06-2020
3	2nd Review	

CONSTRUCTION PHASE

REV.	BULLETIN #	DATE



SHEET TITLE
LIGHT FIXTURE CUT SHEETS

SCALE: N.T.S.
DATE: 10/06/2020
JOB NUMBER: 1727-00

E1.1