



RSXF1 LED Floodlight Luminaire



Catalog Number RSXF1 LED P4 40K WFL MVOLT IS NLTAIR2

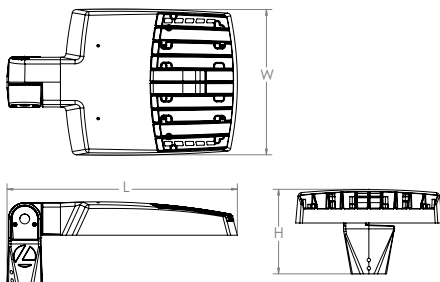
Notes PIRHN DDBXD

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Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

EPA (ft²@45°):	2.1 ft² (0.2 m²)
Length:	20.7" (52.6 cm)
Width:	13.3" (33.8 cm)
Height:	3.0" (7.6 cm) Main Body 7.6" (19.3 cm) Arm
Weight (max):	25.0 lbs (11.3 kg)



Introduction

The new RSXF LED Flood family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSXF1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSXF features an adjustable integral slip-fitter that allows the luminaire to be mounted on a 2-3/8" OD tenon. Integral cover/wire box serves as an approved splice compartment allowing for fast, easy mounting and wiring without opening the electrical compartment.

Ordering Information

EXAMPLE: RSXF1 LED P4 40K WFL MVOLT IS DDBXD

RSXF1 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSXF1 LED	P1 P2 P3 P4	30K 3000K 40K 4000K 50K 5000K	AWFD Area Wide Forward WFL Wide Flood MFL Medium Flood NFL Narrow Flood SP Spot NSP Narrow Spot	MVOLT (120V-277V) ¹ HVOLT (347V-480V) ² (use specific voltage for options as noted) 120 ³ 277 ³ 208 ³ 347 ³ 240 ³ 480 ³	IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁴

Options	Finish
Shipped Installed PE Photocontrol, button style ^{5,7} PEX Photocontrol external threaded, adjustable ^{6,7} PER7 Seven-wire twist-lock receptacle only (no controls) ^{7,8,9} CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) ³ DF Double fuse (208, 240, 480) ³ SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) Shipped Separately (requires some field assembly) FV Full Visor (360° around light aperture) UBV Upper/bottom visor	DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White

Shipped Installed
 *Standalone and Networked Sensors/Controls (factory default settings, see table page 5)
 NLTAIR2 nLight AIR generation 2^{10,14}
 PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2)^{7,11,13,14}

*Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.



Ordering Information

Accessories

Ordered and shipped separately.

RSXF1FV U	Full visor (specify finish)
RSXF1UBV U	Upper/bottom visor (specify finish)
DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) ¹²
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) ¹²
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) ¹²
DSHORT SBK U	Shorting cap ¹²

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 2 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 3 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 4 IS maximum tilt is 90° above horizontal.
- 5 Requires MOVLT or 347V.
- 6 Requires 120V, 208V, 240V, 277V or 347V.
- 7 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, PIRHN).
- 8 Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.

- 9 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 10 Must be ordered with PIRHN.
- 11 Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- 12 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- 13 Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- 14 Requires MVOLT or HVOLT.

External Shields



UBV Visor - Top Mounted



UBV Visor - Bottom Mounted



Full Visor - 360°

Pole/Mounting Information

Accessories including bullhorns, cross arms and other adapters are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

RSXF1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

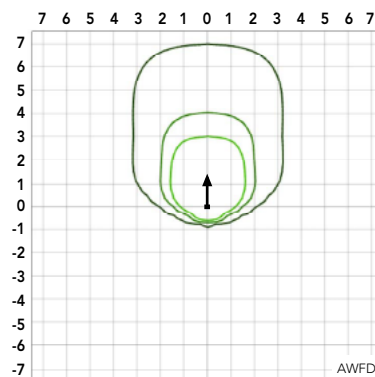
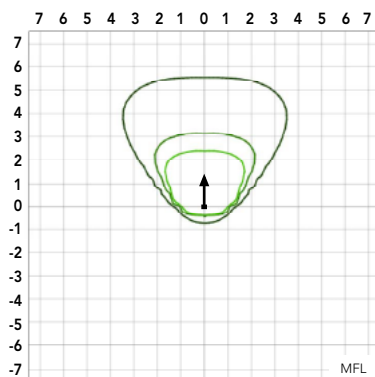
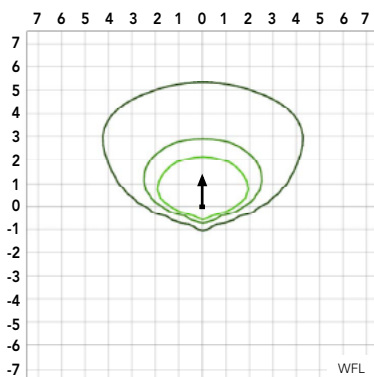
Fixture Quantity & Mounting Configuration		EPA (ft ²)								
		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
IS - Integral Slipfitter	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.3	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

Isofootcandle plots for the RSXF1 LED P4 40K. Distances are in units of mounting height (20').

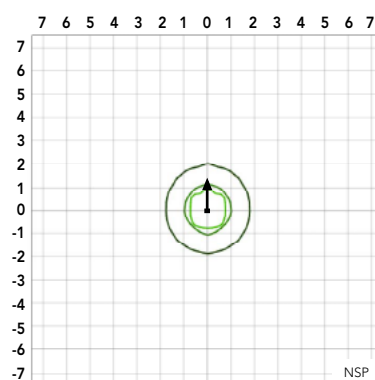
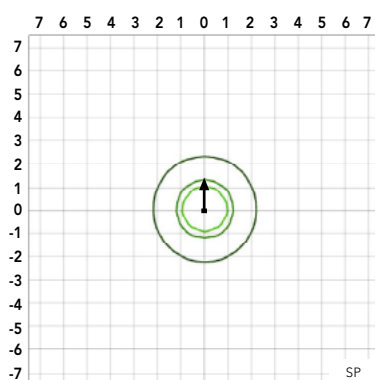
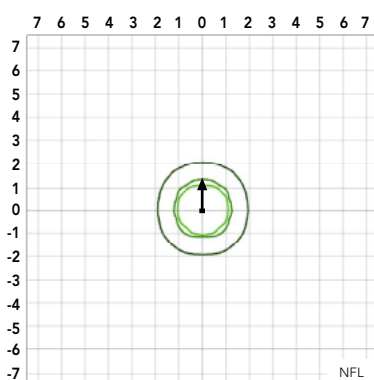
LEGEND



Luminaires tilted at 45°



Luminaires tilted at 0°



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

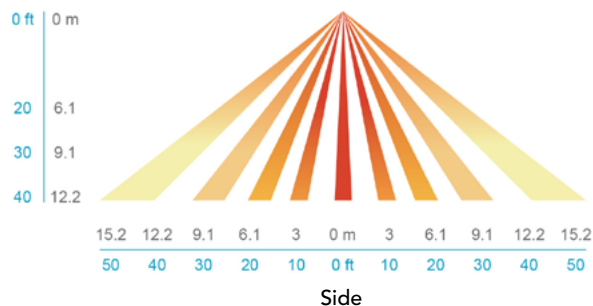
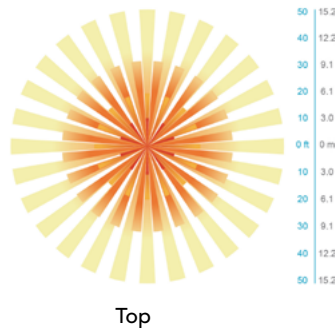
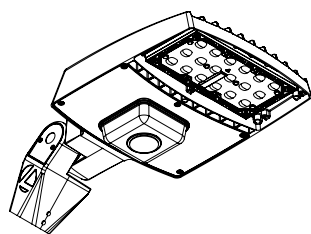
Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	Field Angle		Beam Angle		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)		
			°H	°V	°H	°V	Lumens	LPW	Max CD	Lumens	LPW	Max CD	Lumens	LPW	Max CD
P1	51W	AWFD	119	120	69	41	6,660	131	5,455	7,318	143	5,994	7,318	143	5,994
		WFL	133	129	116	80	6,525	128	2,778	7,169	141	3,052	7,169	141	3,052
		MFL	105	110	91	96	6,805	133	3,089	7,477	147	3,394	7,477	147	3,394
		NFL	78	79	44	45	6,568	129	9,712	7,216	141	10,670	7,216	141	10,670
		SP	48	48	27	27	6,357	125	20,249	6,984	137	22,246	6,984	137	22,246
		NSP	42	44	19	21	6,469	127	34,157	7,107	139	37,525	7,107	139	37,525
P2	72W	AWFD	119	120	69	41	9,235	128	7,565	10,146	141	8,311	10,146	141	8,311
		WFL	133	129	116	80	9,048	126	3,852	9,941	138	4,232	9,941	138	4,232
		MFL	105	110	91	96	9,436	131	4,284	10,367	144	4,707	10,367	144	4,707
		NFL	78	79	44	45	9,107	126	13,466	10,006	139	14,795	10,006	139	14,795
		SP	48	48	27	27	8,814	122	28,076	9,684	135	30,847	9,684	135	30,847
		NSP	42	44	19	21	8,969	125	47,357	9,854	137	52,030	9,854	137	52,030
P3	109W	AWFD	119	120	69	41	13,149	121	10,771	14,447	133	11,834	14,447	133	11,834
		WFL	133	129	116	80	12,883	118	5,485	14,154	130	6,026	14,154	130	6,026
		MFL	105	110	91	96	13,435	123	6,099	14,761	135	6,701	14,761	135	6,701
		NFL	78	79	44	45	12,967	119	19,174	14,247	131	21,066	14,247	131	21,066
		SP	48	48	27	27	12,550	115	39,976	13,789	127	43,923	13,789	127	43,923
		NSP	42	44	19	21	12,771	117	67,432	14,031	129	74,085	14,031	129	74,085
P4	133W	AWFD	119	120	69	41	15,279	115	12,515	16,786	126	13,750	16,786	126	13,750
		WFL	133	129	116	80	14,969	113	6,373	16,446	124	7,002	16,446	124	7,002
		MFL	105	110	91	96	15,611	117	7,087	17,151	129	7,786	17,151	129	7,786
		NFL	78	79	44	45	15,067	113	22,279	16,554	124	24,478	16,554	124	24,478
		SP	48	48	27	27	14,583	110	46,452	16,022	120	51,036	16,022	120	51,036
		NSP	42	44	19	21	14,839	112	78,351	16,304	123	86,086	16,304	123	86,086

PIRHN nLight Sensor Coverage Pattern



Motion Sensor Default Settings - Option PIRHN

Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clarity Pro App.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED flood family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSXF1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION

The RSX LED flood luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral adjustable slipfitter mounts on a 2 3/8" OD tenon. The adjustable slip fitter has an integral junction box for easy installation. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for a 1.5 G vibration load per ANSI C136.31.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warranted not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Wide Flood, Medium Flood, Narrow Flood, Spot, Narrow Spot and Area Wide/Forward.

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED flood luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED flood luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. See chart above for motion sensor default out-of-box settings. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

The integral "IS" mount offers an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slip fitter has an integral junction box and offers easy installation, wiring and distribution pattern aiming. IS adjustable slipfitter is not rated for tilting above 90° or mounting within 4 feet of ground. Can be tilted up to 90° above horizontal.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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. Specifications subject to change without notice.



FEATURES & SPECIFICATIONS

INTENDED USE — For building mount.

CONSTRUCTION — Body is galvanized steel tube (per ASTM A-123) constructed from A500 Grade B steel. Welding follows industry standards best practices. Arms are galvanized after fabrication.

Must specify finish. Optional polyester powder and red primer paint finishes available.

INSTALLATION — Mounting hardware is not included.

Installer to provide hardware based on wall type.

WARRANTY — 1-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

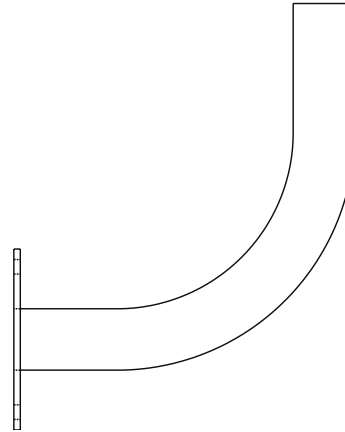
Catalog
Number FRWB 8-8 DDBXD

Notes

Type
F

FRWB

**STEEL FLOOD RIGHT
ANGLE WALL BRACKET**



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: FRWB 8-8 TD25 DDB

FRWB			
Series	Tenon length/rise	Fixture tenon size ²	Finish ³
FRWB	Radius curve (blank) 12" X 13" (8" radius curve) 24-36 24" X 36" (8" radius curve) ¹ BH28 Two-tenon bullhorn (side by side) BH38 Three-tenon bullhorn (offset) 90° angle 8-8 8" x 8" (90° angle) 14-8 14" X 8" (90° angle) 22-34 22" X 34" (90° angle) ¹	(blank) TD20 2-3/8" O.D. TD25 2-7/8" O.D.	Standard colors DDBXD Dark bronze DWHXD White DBLXD Black DNAXD Natural aluminum GALV Galvanized steel Primer finish DPRM Primer

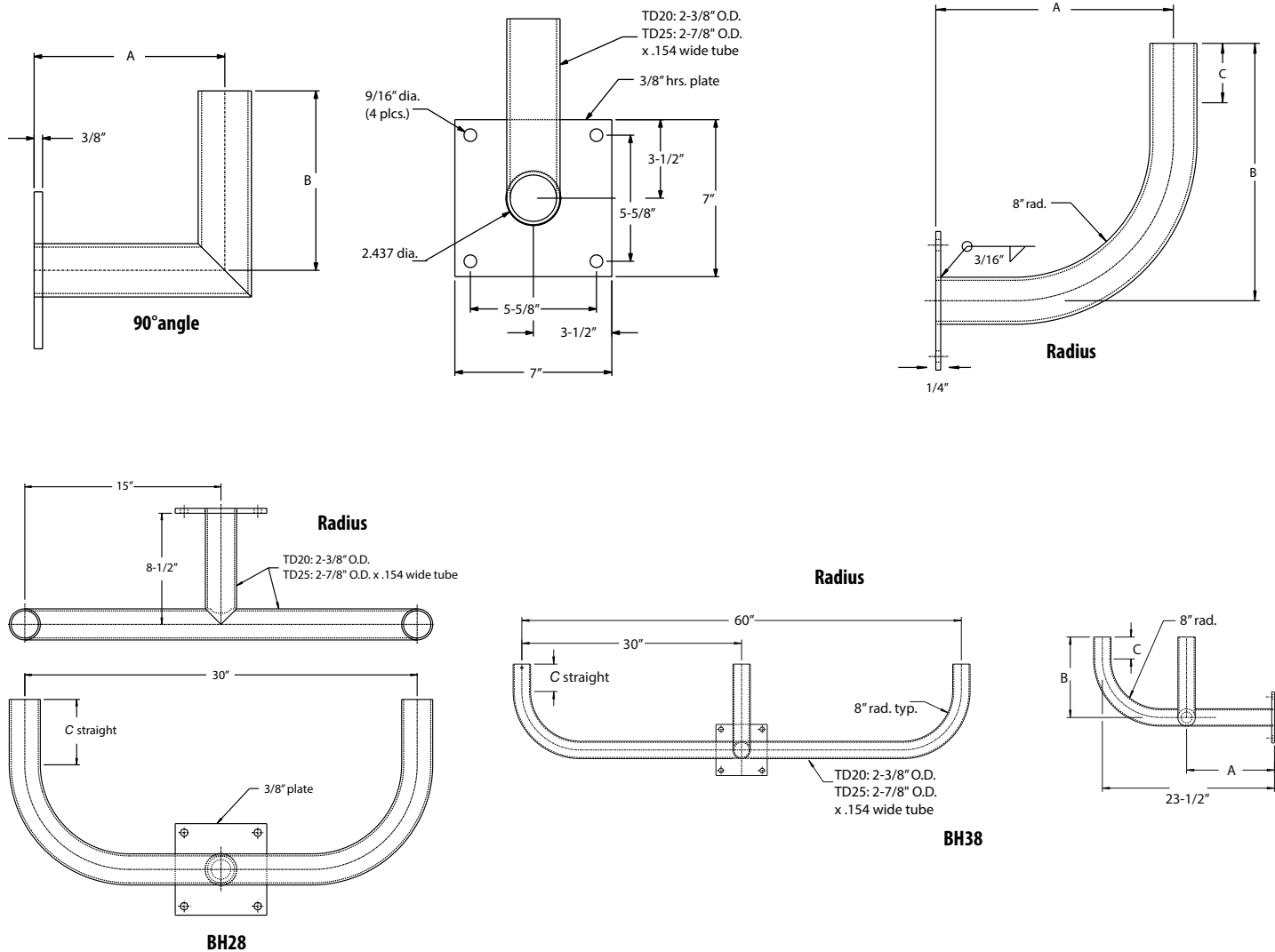
Stock Configurations

Stock part number	Long Description
FRWB DDB U	12" X 13" (8" radius curve); TD20 tenon size

NOTES:

- Includes backup plate.
- Tubing O.D. will be the same for all tenons on the specified bracket. Reference fixture spec sheet for O.D. requirements.
- Finish must be specified. Additional colors available; see www.lithonia.com/archcolors or the Architectural Colors brochure (Form No. 794.3).

FRWB Flood Right Angle Wall Bracket, Building Mount



FRWB – Flood Right Angle Wall Bracket										
Lithonia Lighting Catalog Number	Nominal arm length (in.)	Dimensions (inches)			Bracket weight (lbs.)	Max Per Fixture EPA with AASHTO 2013			Max. per fixture weight (lbs.)	Max Mounting Height (ft)
		A	B	C		100MPH	120MPH	150MPH		
FRWB	1	12	13	3	12	8.0	8.0	8.0	85	50
FRWB 8-8	2/3	8	8	-	10	8.0	8.0	8.0	85	50
FRWB 14-8	1-1/4	14	8	-	12	8.0	8.0	8.0	85	50
FRWB 22-34	2	22	34	-	35	8.0	8.0	5.6	85	50
FRWB 24-36	2	24	36	-	35	8.0	8.0	5.6	85	50
FRWB BH28	2/3	8	13	3	23	8.0	7.4	4.7	85	50
FRWB BH38	1	12	13	3	36	8.0	6.0	3.9	85	50

CAUTION:

- The arms described herein are designed for applications in areas of normal winds. Consult the factory prior to the design of systems to be mounted on structures such as bridges or buildings, or areas known to have abnormal winds such as airports or coastal areas. Failure to consider these factors in the system design could result in the failure of the pole or mast arm, and consequently personal injury or property damage.



Project: CLACKAMAS SOIL WATER CF

Fixture Type: H

Location:

Contact/Phone:

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION

5", 7", 11", 13" ROUND

JSF SERIES



PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount downlights in multiple sizes from 5" to 13" • Provides economical installation by mounting directly over standard and fire-rated junction boxes • Optional finish trims and shrouds available for custom, designer look similar to standard recessed downlights • Provides general illumination in residential and commercial applications including multi-family and hospitality • Ideal for use in corridors, living spaces, closets, hallways, pantries, stairways, outdoor covered areas and much more.

PRODUCT SPECIFICATIONS

Construction Shallow, less than 1", solid ring with white finish

- Non conductive fixture for shower light applications
- Optional, field installable finish trims available for 5" and 7" versions to change the exterior finish of fixture
- Optional, field installable decorative baffle and cone shrouds for 5" and 7" versions provide the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Optics Light guide technology combined with diffusing lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life • 2700K, 3000K, 3500K or 4000K LED color temperature • LEDs binned for 4-step MacAdam ellipse color consistency • 90 CRI minimum.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers • External driver is only available on 5" and 7" models • For a list of compatible dimmers, see [JUNOSLIMFORM-DIM](#).

Emergency Battery Option Available on fixture sizes 11" and larger

- Battery factory assembled to fixture with integral test switch (EL option)
- Drives LEDs for 90 minutes to meet Life Safety Code (NFPA-LSC), National Electrical Code (NEC), and UL requirements • Emergency battery not available in California due to Title 20 restrictions • EBX option provides back box without battery for consistent look when used in same space as fixtures with EL emergency option.

Life Rated for 50,000 hours at >70% lumen maintenance.

Labels ENERGY STAR® certified • Certified to the high efficacy requirements of California T24 JA8-2016 • CSA listed for US and Canada • Suitable for wet locations (covered ceilings).

Testing All reports are based on published industry procedures; actual performance may differ as a result of the end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C.

Warranty 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Specifications subject to change without notice.

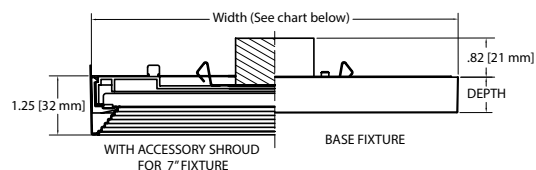
INSTALLATION

Junction Box Mounting Fixture provided with leads for direct wire connection in j-box • Installs directly to industry standard junction boxes

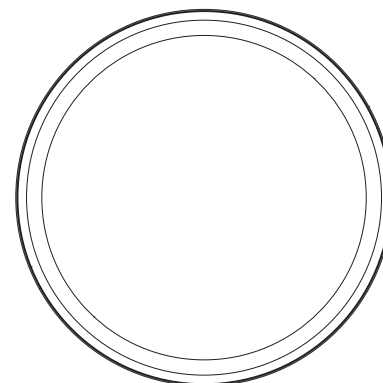
- Compatible boxes include 4" metal or plastic octagonal standard and fire-rated junction boxes (3 1/2" junction box screw-hole spacing required for installation)
- Minimum 2 1/8" deep junction box required
- Quick mount bracket provides fast installation of fully assembled fixture to junction box
- Suitable for ceiling mount
- Suitable for use within closet storage spaces when installed per NEC requirements.



DIMENSIONS



External driver available on 5" and 7" models only.

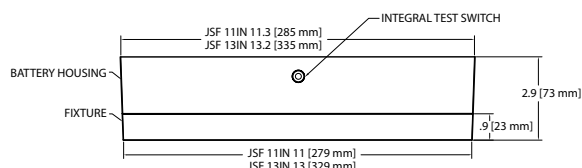


ROUND SPECIFICATIONS

	Width	Depth
JSF 5IN	5.25 (13.34)	0.75 (1.91)
JSF 7IN	7.77 (19.74)	0.75 (1.91)
JSF 11IN	11.08 (28.14)	0.9 (2.29)
JSF 13IN	13.05 (33.15)	0.9 (2.29)

All dimensions are in inches (centimeters) unless otherwise indicated.

EMERGENCY BATTERY FOR 11" AND 13"



JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PERFORMANCE DATA

	JSF 5IN		JSF 7IN		JSF 11IN		JSF 13IN	
	120V	MVOLT	120V	MVOLT	120V	MVOLT	120V	MVOLT
Lumens	700	700	1000	1000	1300	1300	1800	1800
CRI	90CRI		90CRI		90CRI		90CRI	
CCT	27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K	
Voltage	120V	120V-277V	120V	120V-277V	120V	120V-277V	120V	120V-277V
Input Power	10W	10W	13W	13W	15W	15W	20W	20W
Input Current	110MA	50MA	150MA	60MA	180MA	80MA	240MA	110MA
Frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Power Factor	>0.9		>0.9		>0.9		>0.9	

ORDERING INFORMATION

Example: JSF 5IN 07LM 27K 90CRI 120 FRPC WH

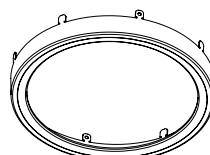
Series	Size/Lumens	Color Temperature	CRI	Voltage/Driver	Finish	Emergency Battery ^{1,2,3}
JSF SlimForm Surface Mount Downlight - Round	5IN 07LM 5", 700 Lumens	27K 2700K	90CRI 90+ CRI	120 FRPC Dedicated 120V, Forward Reverse Phase Dimmign MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	WH White	EL ³ Battery Back-up Option EBX Empty Back Box for Aesthetics
	7IN 10LM 7", 1000 Lumens	30K 3000K				
	11IN 13LM 11", 1300 Lumens	35K 3500K				
	13IN 18LM 13", 1800 Lumens	40K 4000K				

ACCESSORIES

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFTRIM 5IN BL

Series	Size	Finish
JSFTRIM SlimForm Accessory- Trim	5IN 5 inches	BL Black
	7IN 7 inches	BZ Bronze
		SN Satin Nickel

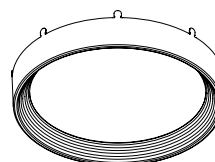


TRIM

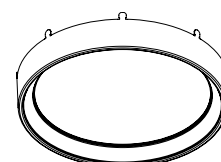
SHROUD – Optional, field installable decorative baffle and cone shrouds provides the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Example: JSFSHROUD 5IN DB WWH

Series	Size	Shroud Style	Finish
JSFSHROUD SlimForm Accessory Shroud - Round	5IN 5 inches	DB Downlight Baffle	WWH White trim, white shroud
	7IN 7 inches	DC Downlight Cone	BWH ⁴ Black trim, white shroud
			HZWH Haze trim, white shroud
			WHZWH Wheat Haze trim, white shroud



BAFFLE SHROUD



CONE SHROUD

Note:

- Emergency battery available with 11IN and 13IN only.
- Emergency battery is only available with MVOLT ZT.
- Emergency battery option not available in California due to Title 20 restrictions.
- BWH only available with downlight baffle.

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PHOTOMETRICS

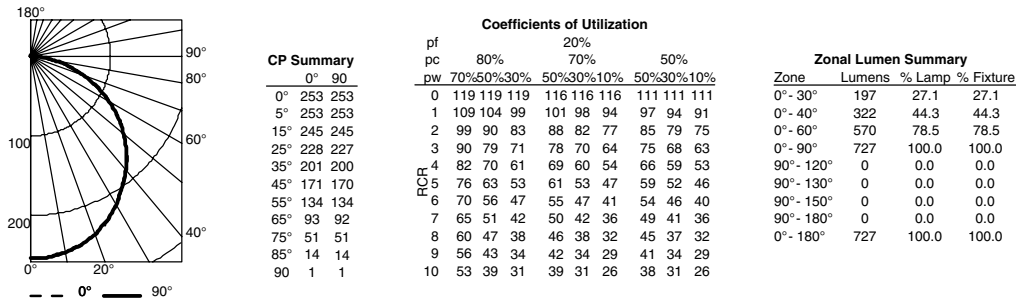
Distribution Curve

Distribution Data

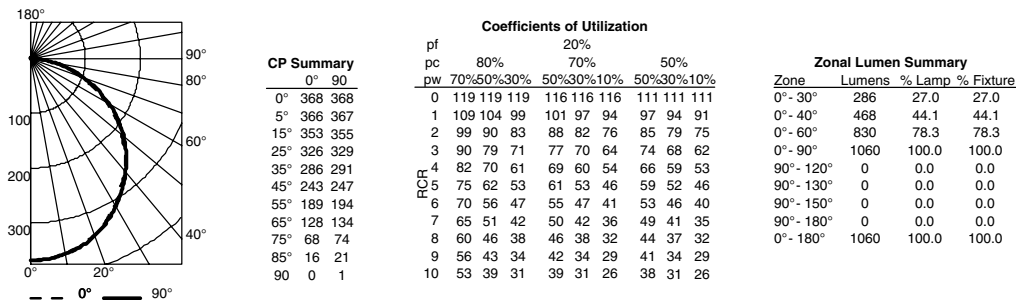
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

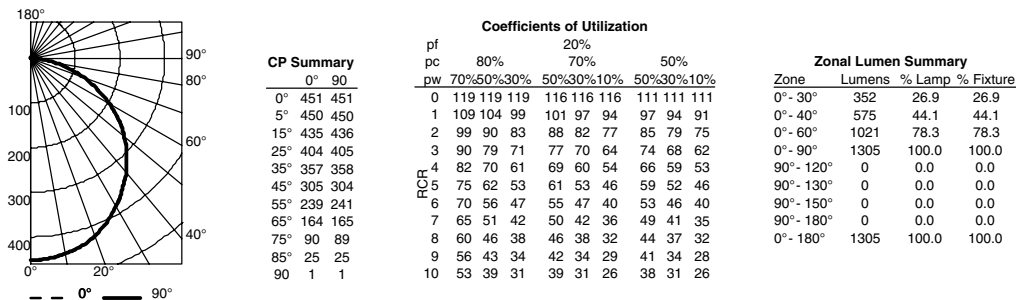
JSF 51N 27K, 2700K LEDs, input watts: 9.72, delivered lumens: 727, LM/W = 74.8, test no. ISF 33599, tested in accordance to IESNA LM-79.



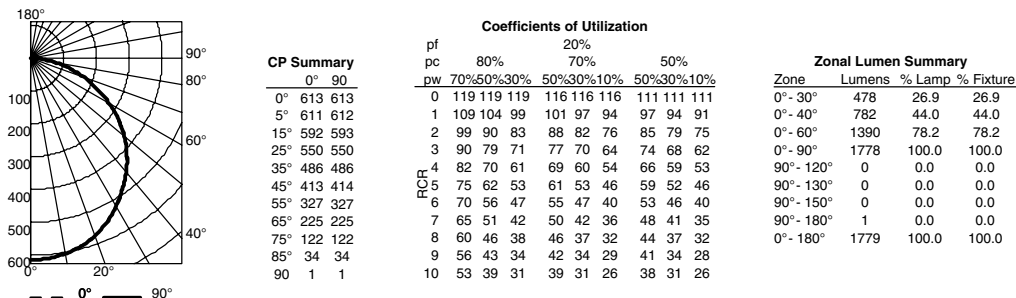
JSF 71N 27K, 2700K LEDs, input watts: 12.8, delivered lumens: 1060, LM/W = 82.8, test no. ISF 33600, tested in accordance to IESNA LM-79.



JSF 111N 27K, 2700K LEDs, input watts: 15.2, delivered lumens: 1305, LM/W = 85.9, test no. ISF 33661, tested in accordance to IESNA LM-79.



JSF 131N 27K, 2700K LEDs, input watts: 20.2, delivered lumens: 1779, LM/W = 88, test no. ISF 33663, tested in accordance to IESNA LM-79.



For 30K fixtures, use 1.02 multiplier; For 35K fixtures, use 1.03 multiplier; For 40K fixtures, use 1.07 multiplier.



Project: CLACKAMAS SOIL WATER CF

Fixture Type: H-EM

Location:

Contact/Phone:

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION

5", 7", 11", 13" ROUND

JSF SERIES



PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount downlights in multiple sizes from 5" to 13" • Provides economical installation by mounting directly over standard and fire-rated junction boxes • Optional finish trims and shrouds available for custom, designer look similar to standard recessed downlights • Provides general illumination in residential and commercial applications including multi-family and hospitality • Ideal for use in corridors, living spaces, closets, hallways, pantries, stairways, outdoor covered areas and much more.

PRODUCT SPECIFICATIONS

Construction Shallow, less than 1", solid ring with white finish

- Non conductive fixture for shower light applications
- Optional, field installable finish trims available for 5" and 7" versions to change the exterior finish of fixture
- Optional, field installable decorative baffle and cone shrouds for 5" and 7" versions provide the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Optics Light guide technology combined with diffusing lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life • 2700K, 3000K, 3500K or 4000K LED color temperature • LEDs binned for 4-step MacAdam ellipse color consistency • 90 CRI minimum.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers • External driver is only available on 5" and 7" models • For a list of compatible dimmers, see [JUNOSLIMFORM-DIM](#).

Emergency Battery Option Available on fixture sizes 11" and larger

- Battery factory assembled to fixture with integral test switch (EL option)
- Drives LEDs for 90 minutes to meet Life Safety Code (NFPA-LSC), National Electrical Code (NEC), and UL requirements • Emergency battery not available in California due to Title 20 restrictions • EBX option provides back box without battery for consistent look when used in same space as fixtures with EL emergency option.

Life Rated for 50,000 hours at >70% lumen maintenance.

Labels ENERGY STAR® certified • Certified to the high efficacy requirements of California T24 JA8-2016 • CSA listed for US and Canada • Suitable for wet locations (covered ceilings).

Testing All reports are based on published industry procedures; actual performance may differ as a result of the end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C.

Warranty 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

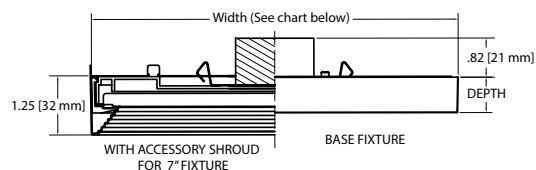
Specifications subject to change without notice.

INSTALLATION

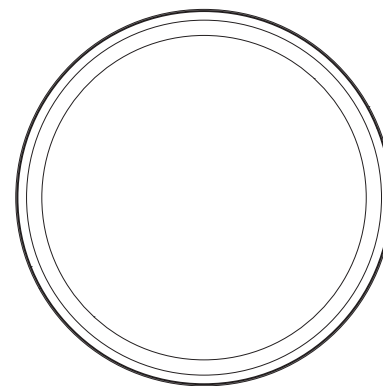
Junction Box Mounting Fixture provided with leads for direct wire connection in j-box • Installs directly to industry standard junction boxes

- Compatible boxes include 4" metal or plastic octagonal standard and fire-rated junction boxes (3 1/2" junction box screw-hole spacing required for installation)
- Minimum 2 1/8" deep junction box required
- Quick mount bracket provides fast installation of fully assembled fixture to junction box
- Suitable for ceiling mount
- Suitable for use within closet storage spaces when installed per NEC requirements.

DIMENSIONS



External driver available on 5" and 7" models only.

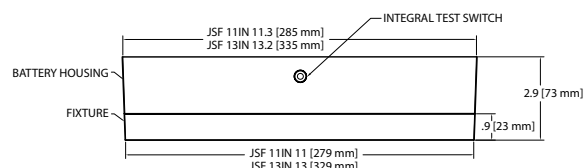


ROUND SPECIFICATIONS

	Width	Depth
JSF 5IN	5.25 (13.34)	0.75 (1.91)
JSF 7IN	7.77 (19.74)	0.75 (1.91)
JSF 11IN	11.08 (28.14)	0.9 (2.29)
JSF 13IN	13.05 (33.15)	0.9 (2.29)

All dimensions are in inches (centimeters) unless otherwise indicated.

EMERGENCY BATTERY FOR 11" AND 13"



JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PERFORMANCE DATA

	JSF 5IN		JSF 7IN		JSF 11IN		JSF 13IN	
	120V	MVOLT	120V	MVOLT	120V	MVOLT	120V	MVOLT
Lumens	700	700	1000	1000	1300	1300	1800	1800
CRI	90CRI		90CRI		90CRI		90CRI	
CCT	27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K	
Voltage	120V	120V-277V	120V	120V-277V	120V	120V-277V	120V	120V-277V
Input Power	10W	10W	13W	13W	15W	15W	20W	20W
Input Current	110MA	50MA	150MA	60MA	180MA	80MA	240MA	110MA
Frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Power Factor	>0.9		>0.9		>0.9		>0.9	

ORDERING INFORMATION

Example: JSF 5IN 07LM 27K 90CRI 120 FRPC WH

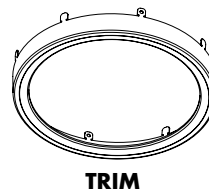
Series	Size/Lumens	Color Temperature	CRI	Voltage/Driver	Finish	Emergency Battery ^{1,2,3}
JSF SlimForm Surface Mount Downlight - Round	5IN 07LM 5", 700 Lumens	27K 2700K	90CRI 90+ CRI	120 FRPC Dedicated 120V, Forward Reverse Phase Dimmign MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	WH White	EL ³ Battery Back-up Option EBX Empty Back Box for Aesthetics
	7IN 10LM 7", 1000 Lumens	30K 3000K				
	11IN 13LM 11", 1300 Lumens	35K 3500K				
	13IN 18LM 13", 1800 Lumens	40K 4000K				

ACCESSORIES

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFTRIM 5IN BL

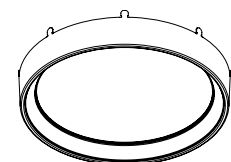
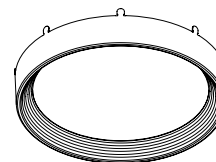
Series	Size	Finish
JSFTRIM SlimForm Accessory- Trim	5IN 5 inches	BL Black
	7IN 7 inches	BZ Bronze
		SN Satin Nickel



SHROUD – Optional, field installable decorative baffle and cone shrouds provides the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Example: JSFSHROUD 5IN DB WWH

Series	Size	Shroud Style	Finish
JSFSHROUD SlimForm Accessory Shroud - Round	5IN 5 inches	DB Downlight Baffle	WWH White trim, white shroud
	7IN 7 inches	DC Downlight Cone	BWH ⁴ Black trim, white shroud
			HZWH Haze trim, white shroud
			WHZWH Wheat Haze trim, white shroud



Note:

- Emergency battery available with 11IN and 13IN only.
- Emergency battery is only available with MVOLT ZT.
- Emergency battery option not available in California due to Title 20 restrictions.
- BWH only available with downlight baffle.

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PHOTOMETRICS

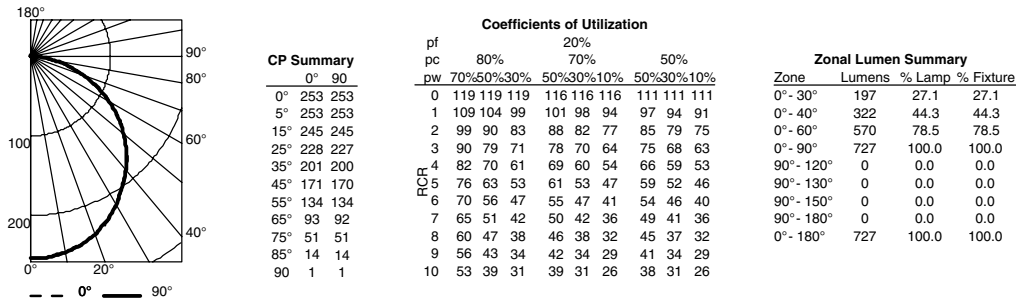
Distribution Curve

Distribution Data

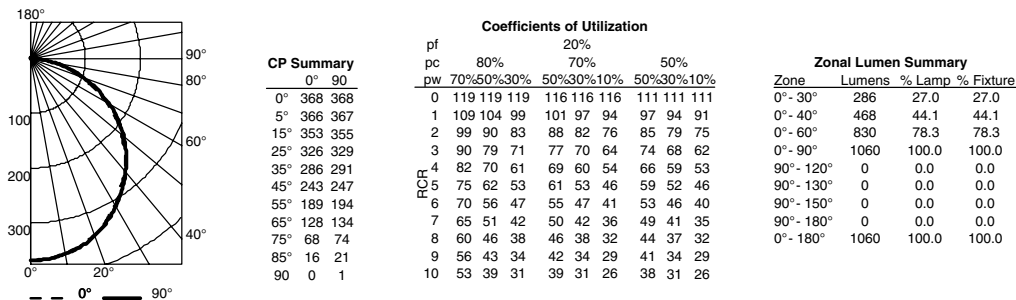
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

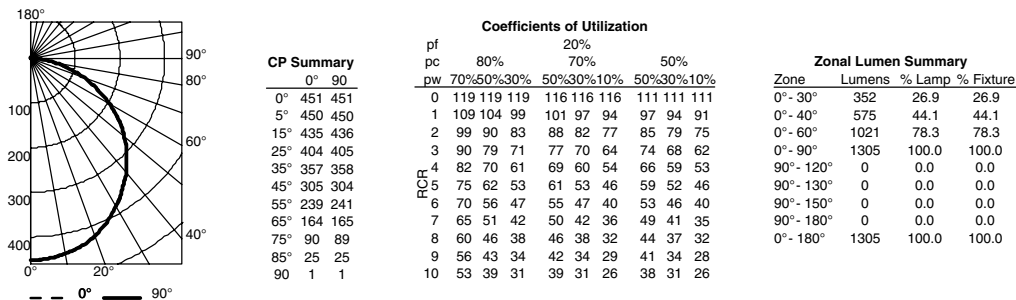
JSF 51N 27K, 2700K LEDs, input watts: 9.72, delivered lumens: 727, LM/W = 74.8, test no. ISF 33599, tested in accordance to IESNA LM-79.



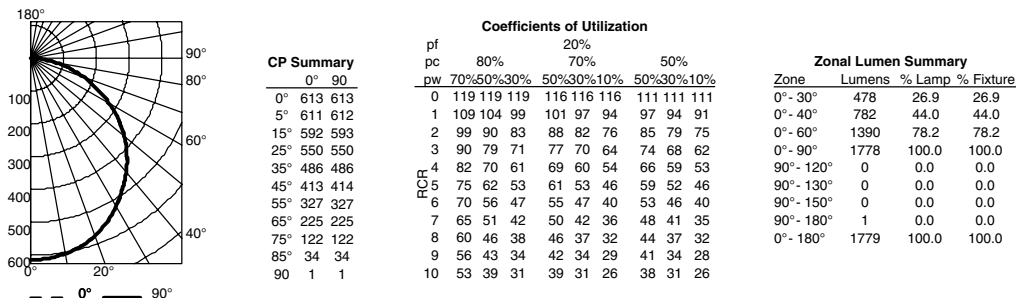
JSF 71N 27K, 2700K LEDs, input watts: 12.8, delivered lumens: 1060, LM/W = 82.8, test no. ISF 33600, tested in accordance to IESNA LM-79.



JSF 111N 27K, 2700K LEDs, input watts: 15.2, delivered lumens: 1305, LM/W = 85.9, test no. ISF 33661, tested in accordance to IESNA LM-79.



JSF 131N 27K, 2700K LEDs, input watts: 20.2, delivered lumens: 1779, LM/W = 88, test no. ISF 33663, tested in accordance to IESNA LM-79.



For 30K fixtures, use 1.02 multiplier; For 35K fixtures, use 1.03 multiplier; For 40K fixtures, use 1.07 multiplier.



Project: CLACKAMAS SOIL WATER CF

Fixture Type: HL

Location:

Contact/Phone:

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION

5", 7", 11", 13" ROUND

JSF SERIES



PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount downlights in multiple sizes from 5" to 13" • Provides economical installation by mounting directly over standard and fire-rated junction boxes • Optional finish trims and shrouds available for custom, designer look similar to standard recessed downlights • Provides general illumination in residential and commercial applications including multi-family and hospitality • Ideal for use in corridors, living spaces, closets, hallways, pantries, stairways, outdoor covered areas and much more.

PRODUCT SPECIFICATIONS

Construction Shallow, less than 1", solid ring with white finish

- Non conductive fixture for shower light applications
- Optional, field installable finish trims available for 5" and 7" versions to change the exterior finish of fixture
- Optional, field installable decorative baffle and cone shrouds for 5" and 7" versions provide the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Optics Light guide technology combined with diffusing lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life • 2700K, 3000K, 3500K or 4000K LED color temperature • LEDs binned for 4-step MacAdam ellipse color consistency • 90 CRI minimum.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers • External driver is only available on 5" and 7" models • For a list of compatible dimmers, see [JUNOSLIMFORM-DIM](#).

Emergency Battery Option Available on fixture sizes 11" and larger • Battery factory assembled to fixture with integral test switch (EL option) • Drives LEDs for 90 minutes to meet Life Safety Code (NFPA-LSC), National Electrical Code (NEC), and UL requirements • Emergency battery not available in California due to Title 20 restrictions • EBX option provides back box without battery for consistent look when used in same space as fixtures with EL emergency option.

Life Rated for 50,000 hours at >70% lumen maintenance.

Labels ENERGY STAR® certified • Certified to the high efficacy requirements of California T24 JA8-2016 • CSA listed for US and Canada • Suitable for wet locations (covered ceilings).

Testing All reports are based on published industry procedures; actual performance may differ as a result of the end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C.

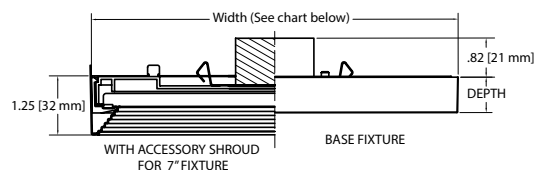
Warranty 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Specifications subject to change without notice.

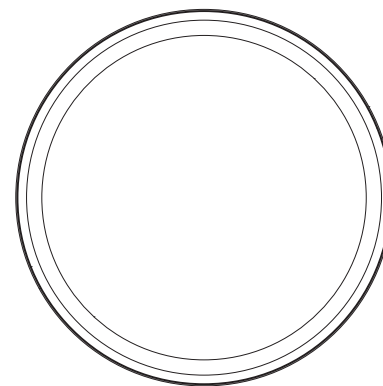
INSTALLATION

Junction Box Mounting Fixture provided with leads for direct wire connection in j-box • Installs directly to industry standard junction boxes • Compatible boxes include 4" metal or plastic octagonal standard and fire-rated junction boxes (3 1/2" junction box screw-hole spacing required for installation) • Minimum 2 1/8" deep junction box required • Quick mount bracket provides fast installation of fully assembled fixture to junction box • Suitable for ceiling mount • Suitable for use within closet storage spaces when installed per NEC requirements.

DIMENSIONS



External driver available on 5" and 7" models only.

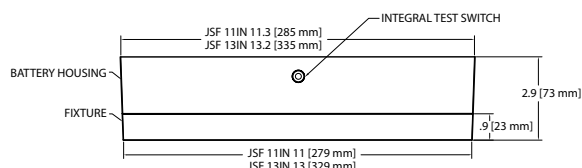


ROUND SPECIFICATIONS

	Width	Depth
JSF 5IN	5.25 (13.34)	0.75 (1.91)
JSF 7IN	7.77 (19.74)	0.75 (1.91)
JSF 11IN	11.08 (28.14)	0.9 (2.29)
JSF 13IN	13.05 (33.15)	0.9 (2.29)

All dimensions are in inches (centimeters) unless otherwise indicated.

EMERGENCY BATTERY FOR 11" AND 13"



JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PERFORMANCE DATA

	JSF 5IN		JSF 7IN		JSF 11IN		JSF 13IN	
	120V	MVOLT	120V	MVOLT	120V	MVOLT	120V	MVOLT
Lumens	700	700	1000	1000	1300	1300	1800	1800
CRI	90CRI		90CRI		90CRI		90CRI	
CCT	27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K	
Voltage	120V	120V-277V	120V	120V-277V	120V	120V-277V	120V	120V-277V
Input Power	10W	10W	13W	13W	15W	15W	20W	20W
Input Current	110MA	50MA	150MA	60MA	180MA	80MA	240MA	110MA
Frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Power Factor	>0.9		>0.9		>0.9		>0.9	

ORDERING INFORMATION

Example: JSF 5IN 07LM 27K 90CRI 120 FRPC WH

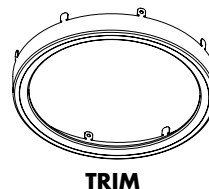
Series	Size/Lumens	Color Temperature	CRI	Voltage/Driver	Finish	Emergency Battery ^{1,2,3}
JSF SlimForm Surface Mount Downlight - Round	5IN 07LM 5", 700 Lumens	27K 2700K	90CRI 90+ CRI	120 FRPC Dedicated 120V, Forward Reverse Phase Dimmign MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	WH White	EL ³ Battery Back-up Option EBX Empty Back Box for Aesthetics
	7IN 10LM 7", 1000 Lumens	30K 3000K				
	11IN 13LM 11", 1300 Lumens	35K 3500K				
	13IN 18LM 13", 1800 Lumens	40K 4000K				

ACCESSORIES

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFTRIM 5IN BL

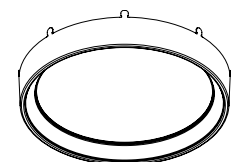
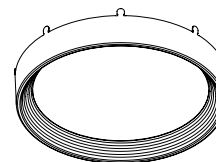
Series	Size	Finish
JSFTRIM SlimForm Accessory- Trim	5IN 5 inches	BL Black
	7IN 7 inches	BZ Bronze
		SN Satin Nickel



SHROUD – Optional, field installable decorative baffle and cone shrouds provides the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Example: JSFSHROUD 5IN DB WWH

Series	Size	Shroud Style	Finish
JSFSHROUD SlimForm Accessory Shroud - Round	5IN 5 inches	DB Downlight Baffle	WWH White trim, white shroud
	7IN 7 inches	DC Downlight Cone	BWH ⁴ Black trim, white shroud
			HZWH Haze trim, white shroud
			WHZWH Wheat Haze trim, white shroud



Note:

- Emergency battery available with 11IN and 13IN only.
- Emergency battery is only available with MVOLT ZT.
- Emergency battery option not available in California due to Title 20 restrictions.
- BWH only available with downlight baffle.

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PHOTOMETRICS

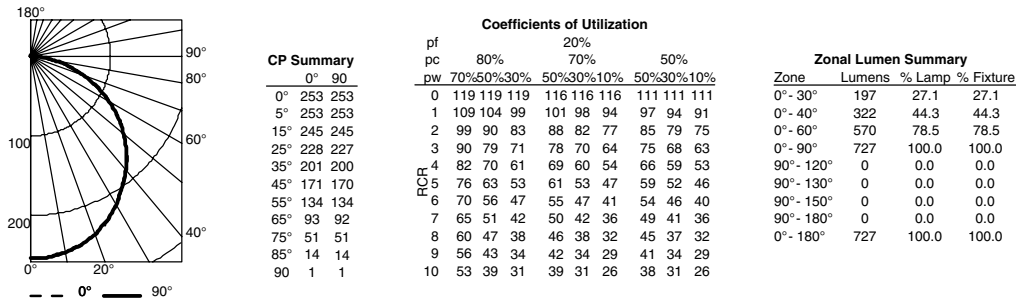
Distribution Curve

Distribution Data

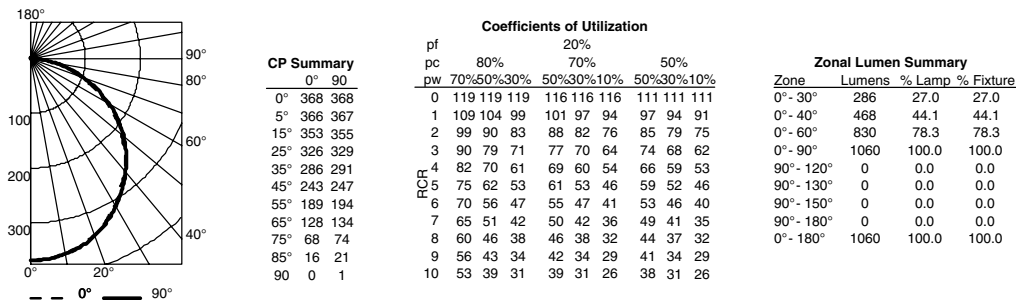
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

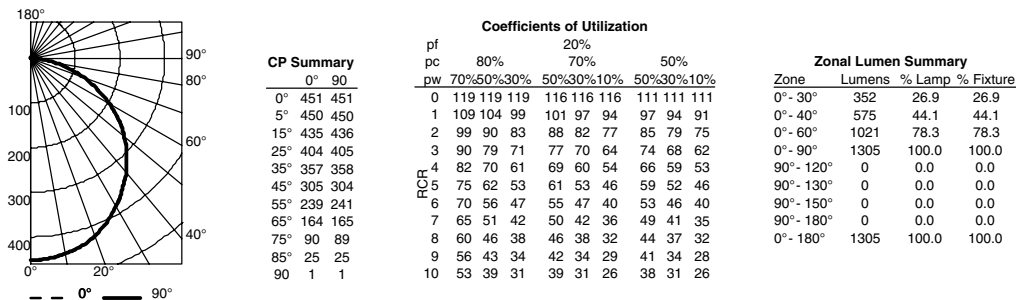
JSF 51N 27K, 2700K LEDs, input watts: 9.72, delivered lumens: 727, LM/W = 74.8, test no. ISF 33599, tested in accordance to IESNA LM-79.



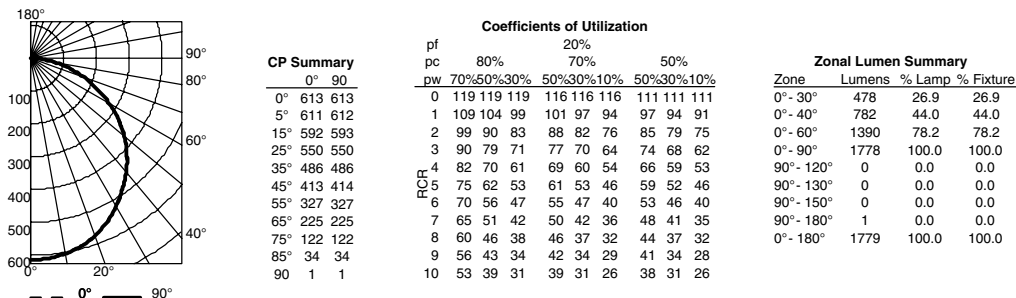
JSF 71N 27K, 2700K LEDs, input watts: 12.8, delivered lumens: 1060, LM/W = 82.8, test no. ISF 33600, tested in accordance to IESNA LM-79.



JSF 111N 27K, 2700K LEDs, input watts: 15.2, delivered lumens: 1305, LM/W = 85.9, test no. ISF 33661, tested in accordance to IESNA LM-79.



JSF 131N 27K, 2700K LEDs, input watts: 20.2, delivered lumens: 1779, LM/W = 88, test no. ISF 33663, tested in accordance to IESNA LM-79.



For 30K fixtures, use 1.02 multiplier; For 35K fixtures, use 1.03 multiplier; For 40K fixtures, use 1.07 multiplier.



Project: CLACKAMAS SOIL WATER CF

Fixture Type: HL-EM

Location:

Contact/Phone:

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION

5", 7", 11", 13" ROUND

JSF SERIES



PRODUCT DESCRIPTION

Sleek, ultra-low profile energy efficient LED surface mount downlights in multiple sizes from 5" to 13" • Provides economical installation by mounting directly over standard and fire-rated junction boxes • Optional finish trims and shrouds available for custom, designer look similar to standard recessed downlights • Provides general illumination in residential and commercial applications including multi-family and hospitality • Ideal for use in corridors, living spaces, closets, hallways, pantries, stairways, outdoor covered areas and much more.

PRODUCT SPECIFICATIONS

Construction Shallow, less than 1", solid ring with white finish

- Non conductive fixture for shower light applications
- Optional, field installable finish trims available for 5" and 7" versions to change the exterior finish of fixture
- Optional, field installable decorative baffle and cone shrouds for 5" and 7" versions provide the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Optics Light guide technology combined with diffusing lens conceals the LEDs from direct view and provides uniform lens luminance.

LED Light Engine LEDs mounted directly to heatsink designed to provide superior thermal management and ensure long life • 2700K, 3000K, 3500K or 4000K LED color temperature • LEDs binned for 4-step MacAdam ellipse color consistency • 90 CRI minimum.

LED Driver Choice of dedicated 120 volt (120) driver or universal voltage (MVOLT) driver that accommodates input voltages from 120-277 volts AC at 50/60Hz • Power factor > 0.9 at 120V input • 120 volt driver is dimmable with the use of most incandescent, magnetic low voltage and electronic low voltage wall box dimmers • Universal voltage driver is dimmable with the use of most 0-10V wall box dimmers • External driver is only available on 5" and 7" models • For a list of compatible dimmers, see [JUNOSLIMFORM-DIM](#).

Emergency Battery Option Available on fixture sizes 11" and larger

- Battery factory assembled to fixture with integral test switch (EL option)
- Drives LEDs for 90 minutes to meet Life Safety Code (NFPA-LSC), National Electrical Code (NEC), and UL requirements
- Emergency battery not available in California due to Title 20 restrictions
- EBX option provides back box without battery for consistent look when used in same space as fixtures with EL emergency option.

Life Rated for 50,000 hours at >70% lumen maintenance.

Labels ENERGY STAR® certified • Certified to the high efficacy requirements of California T24 JA8-2016 • CSA listed for US and Canada • Suitable for wet locations (covered ceilings).

Testing All reports are based on published industry procedures; actual performance may differ as a result of the end-user environment and applications. All values are design or typical values, measured under laboratory conditions at 25 °C.

Warranty 5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

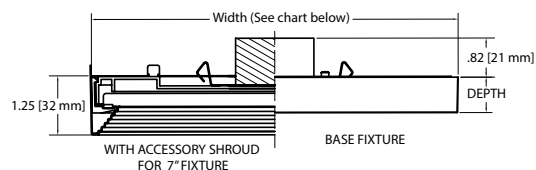
Specifications subject to change without notice.

INSTALLATION

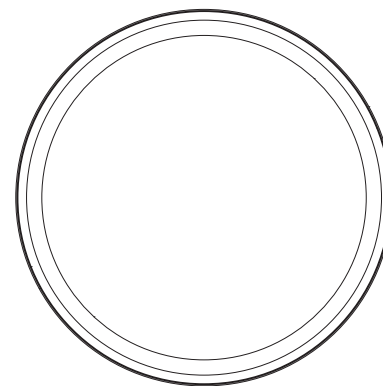
Junction Box Mounting Fixture provided with leads for direct wire connection in j-box • Installs directly to industry standard junction boxes

- Compatible boxes include 4" metal or plastic octagonal standard and fire-rated junction boxes (3 1/2" junction box screw-hole spacing required for installation)
- Minimum 2 1/8" deep junction box required
- Quick mount bracket provides fast installation of fully assembled fixture to junction box
- Suitable for ceiling mount
- Suitable for use within closet storage spaces when installed per NEC requirements.

DIMENSIONS



External driver available on 5" and 7" models only.

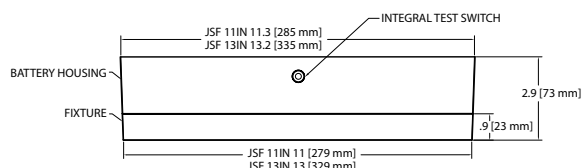


ROUND SPECIFICATIONS

	Width	Depth
JSF 5IN	5.25 (13.34)	0.75 (1.91)
JSF 7IN	7.77 (19.74)	0.75 (1.91)
JSF 11IN	11.08 (28.14)	0.9 (2.29)
JSF 13IN	13.05 (33.15)	0.9 (2.29)

All dimensions are in inches (centimeters) unless otherwise indicated.

EMERGENCY BATTERY FOR 11" AND 13"



JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PERFORMANCE DATA

	JSF 5IN		JSF 7IN		JSF 11IN		JSF 13IN	
	120V	MVOLT	120V	MVOLT	120V	MVOLT	120V	MVOLT
Lumens	700	700	1000	1000	1300	1300	1800	1800
CRI	90CRI		90CRI		90CRI		90CRI	
CCT	27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K		27K, 30K, 35K, 40K	
Voltage	120V	120V-277V	120V	120V-277V	120V	120V-277V	120V	120V-277V
Input Power	10W	10W	13W	13W	15W	15W	20W	20W
Input Current	110MA	50MA	150MA	60MA	180MA	80MA	240MA	110MA
Frequency	50/60Hz		50/60Hz		50/60Hz		50/60Hz	
Power Factor	>0.9		>0.9		>0.9		>0.9	

ORDERING INFORMATION

Example: JSF 5IN 07LM 27K 90CRI 120 FRPC WH

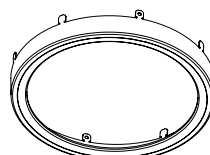
Series	Size/Lumens	Color Temperature	CRI	Voltage/Driver	Finish	Emergency Battery ^{1,2,3}
JSF SlimForm Surface Mount Downlight - Round	5IN 07LM 5", 700 Lumens	27K 2700K	90CRI 90+ CRI	120 FRPC Dedicated 120V, Forward Reverse Phase Dimmign MVOLT ZT Universal Voltage 120V-277V, 0-10V Dimming	WH White	EL ³ Battery Back-up Option EBX Empty Back Box for Aesthetics
	7IN 10LM 7", 1000 Lumens	30K 3000K				
	11IN 13LM 11", 1300 Lumens	35K 3500K				
	13IN 18LM 13", 1800 Lumens	40K 4000K				

ACCESSORIES

TRIM – Optional, field installable finish trim rings available to change the exterior finish of fixture.

Example: JSFTRIM 5IN BL

Series	Size	Finish
JSFTRIM SlimForm Accessory- Trim	5IN 5 inches	BL Black
	7IN 7 inches	BZ Bronze
		SN Satin Nickel

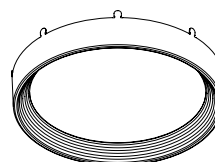


TRIM

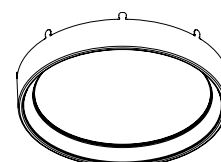
SHROUD – Optional, field installable decorative baffle and cone shrouds provides the aesthetic and source shielding similar to the experience of a fully recessed downlight.

Example: JSFSHROUD 5IN DB WWH

Series	Size	Shroud Style	Finish
JSFSHROUD SlimForm Accessory Shroud - Round	5IN 5 inches	DB Downlight Baffle	WWH White trim, white shroud
	7IN 7 inches	DC Downlight Cone	BWH ⁴ Black trim, white shroud
			HZWH Haze trim, white shroud
			WHZWH Wheat Haze trim, white shroud



BAFFLE SHROUD



CONE SHROUD

Note:

- Emergency battery available with 11IN and 13IN only.
- Emergency battery is only available with MVOLT ZT.
- Emergency battery option not available in California due to Title 20 restrictions.
- BWH only available with downlight baffle.

JUNO SLIMFORM™ LED SURFACE MOUNT DOWNLIGHTS

FOR J-BOX INSTALLATION
5", 7", 11", 13" ROUND
JSF SERIES

PHOTOMETRICS

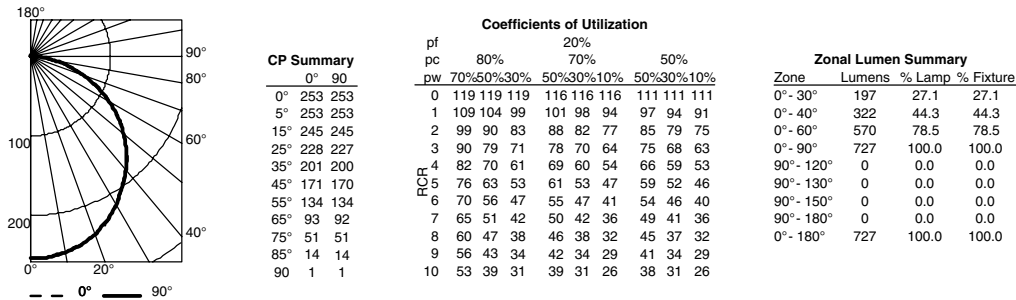
Distribution Curve

Distribution Data

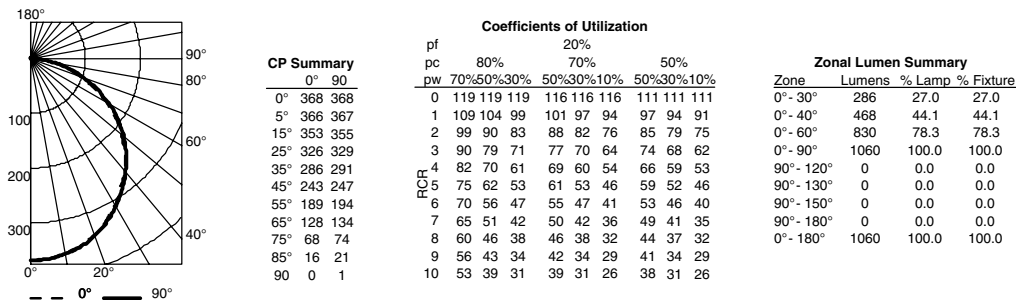
Coefficient of Utilization

Illuminance Data at 30" Above Floor for a Single Luminaire

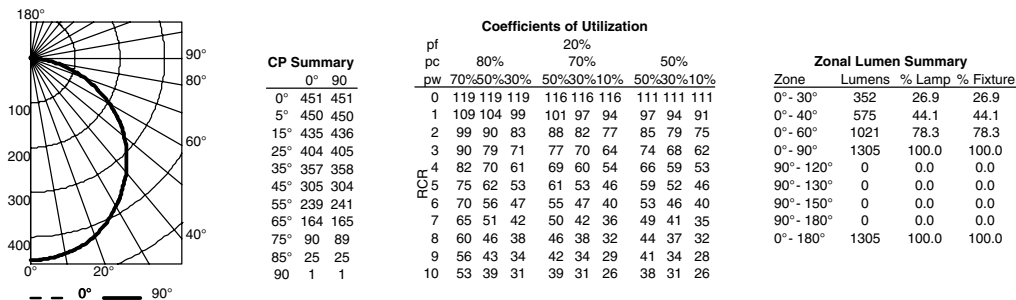
JSF 51N 27K, 2700K LEDs, input watts: 9.72, delivered lumens: 727, LM/W = 74.8, test no. ISF 33599, tested in accordance to IESNA LM-79.



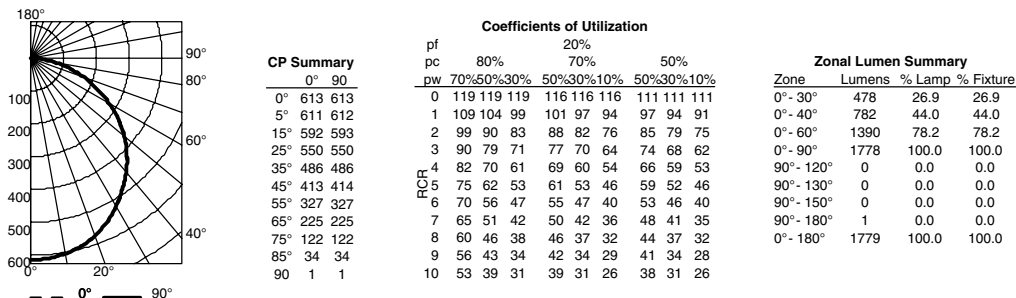
JSF 71N 27K, 2700K LEDs, input watts: 12.8, delivered lumens: 1060, LM/W = 82.8, test no. ISF 33600, tested in accordance to IESNA LM-79.



JSF 111N 27K, 2700K LEDs, input watts: 15.2, delivered lumens: 1305, LM/W = 85.9, test no. ISF 33661, tested in accordance to IESNA LM-79.



JSF 131N 27K, 2700K LEDs, input watts: 20.2, delivered lumens: 1779, LM/W = 88, test no. ISF 33663, tested in accordance to IESNA LM-79.



For 30K fixtures, use 1.02 multiplier; For 35K fixtures, use 1.03 multiplier; For 40K fixtures, use 1.07 multiplier.

FEATURES & SPECIFICATIONS

INTENDED USE — Built on the compact, low-profile Z strip channel, this LED strip offers long maintenance-free life, several color temperatures, lumen outputs and lengths. Ideal for new construction and retrofit applications in T5 and T8 lengths. Ideal for uplight and downlight in commercial, retail, manufacturing, warehouse, cove and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included for continuous row mounting.

Finish: Paint options include high-gloss, baked white enamel (WH), galvanized (GALV), matte black (MB) and smoke gray (SKGY). After fabrication, five-stage iron phosphate pre-treatment ensures superior paint adhesion and rust resistance.

OPTICS — Standard diffuse snap on/snap off lens eliminates pixels, improves uniformity and minimizes glare. L/LENS option available.

ELECTRICAL — L70>60,000hours. Utilizes high-output LEDs integrated on a two-layer circuit board, ensuring cool-running operation. Optional internal pluggable wiring harness for reduced labor cost in row mounting applications. (See PLR_ ordering information on page 3.) Electronic LED driver is rated for 75 input watts maximum (see Operational Data on page two for actual wattage consumption), **multi-volt input and 0-10V dimming standard.** This fixture is designed to withstand a maximum line surge of 2.5kV at 0.75kA combination wave for indoor locations, for applications requiring higher level of protection additional surge protection must be provided.

LEDs provide nominal 80 CRI at 3000 K, 3500 K, 4000 K, or 5000 K.

Lumen output up to 2,000 lumens per foot. In 86°F (30°C) ambient environments. Luminaire should be installed in applications where ambient temperatures do not exceed 86°F (30°C).

INSTALLATION — Tool-less channel cover for easy installation.

Fixture may be surface mounted (with or without ZSPRG hanger), pendant or stem mounted with appropriate mounting options. Three-point aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards. For use in damp locations between -40°F (-40°C) and 86°F (30°C).

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org to confirm which versions are qualified.

WARRANTY — 5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/resources/terms-and-conditions

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.

Specifications subject to change without notice.

Catalog Number ZL1N L48 ASR 3000LM FST MVOLT 35K

Notes 80CRI PLR1LVG WH

Type J

LED Striplight

ZL1N

24", 48" and 96" Lengths



A+ 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 nLight® or XPoint™ Wireless control networks marked by a shaded background*

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

*See ordering tree for details

ZL1N LED Striplight



A+ Capable options indicated by this color background.

ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: ZL1N L48 3000LM FST MVOLT 40K 80CRI WH

Series	Length	Reflectors ¹	Nominal lumens ²	Diffuser	Voltage
ZL1N LED striplight	L24 24"	(blank) Less reflector	1500LM 1,500 lumens	FST Snap on frosted, diffuse L/LENS No diffuser SBL FST Straight blade louver with snap on frosted, diffuse	MVOLT 120-277V
		SMR Symmetric	2500LM 2,500 lumens		120 120V
			3500LM 3,500 lumens		208 208V
	L46 46"	(blank) Less reflector	3000LM 3,000 lumens		240 240V
TZL1N LED striplight	L48 48"	ASR Asymmetric (L48 only)	5000LM 5,000 lumens		277 277V
		SMR Symmetric	7000LM 7,000 lumens		347 347V ³
					480 480V ³
	L92 92"	(blank) Less reflector	6000LM 6,000 lumens		
	L96 96"	SMR Symmetric	10000LM 10,000 lumens		
			14000LM 14,000 lumens		

Color temperature	Color rendering index	Options	Paint finish
30K 3000 K	80CRI 80 CRI	PLR___ Plug-in wiring ^{4,5}	WH White
35K 3500 K	90CRI 90 CRI	PLR1LVG Plug-in wiring-low voltage ^{4,5}	GALV Galvanized
40K 4000 K		E7W Emergency battery pack, 7W CA Title 20 Noncompliant ^{6,7}	MB Matte black
50K 5000 K		2E7W Two Emergency battery packs, 7W CA Title 20 Noncompliant ^{6,7,8}	SKGY Smoke gray
		E10WLCP Emergency battery pack, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ^{6,7}	
		2E10WLCP Two Emergency battery packs, 10W Linear Constant Power, Certified in CA Title 20 MAEDBS ^{6,7,8}	
		E15WLCP Emergency battery pack, 15W Linear Constant Power, Certified in CA Title 20 MAEDBS ^{6,7,8}	
		OUTEND Cord set to exit endplate of fixture	
		LBOZU 360° low mount motion sensor, pre-wired ⁹	
		LBHOSZU 360° low mount motion sensor with dimming, pre-wired ⁹	
		LBPZU 360° low mount motion sensor with photocell, pre-wired ⁹	
		LBMOSZU 360° low mount motion sensor, dimming & switching photocell, pre-wired ⁹	
		Cord sets: ¹⁰	
		CS1W Straight plug, 120V	
		CS3W Twist-lock, 120V	
		CS7W Straight plug, 277V	
		CS11W Twist-lock, 277V	
		CS25W Twist-lock, 347V	
		CS97W Twist-lock, 480V	
		CS93W 600V SE00W white cord, no plug (no voltage required)	

Accessories: Order as separate catalog number.			
HC36	Hanger chain, 36"	ZLR L24 SYM WH	24" symmetric reflector, white finish
ZACVH	Aircraft cable 10' (one pair)	ZLR L46 SYM UPL WH	46" symmetric reflector with uplight, white finish
ZLANGBKT	Luma-tilt™ angle bracket for shelf or ledge mounting only	ZLR L46 SYM WH	46" symmetric reflector, white finish
SQ_	Stem kit, 2" increments up to 48"	ZLR L48 ASY WH	48" asymmetric reflector, white finish
NPP16D	nLight® switching/dimming module	ZLR L48 SYM UPL WH	48" symmetric reflector with uplight, white finish
rPP20D	nLight® Air switching/dimming module	ZLR L48 SYM WH	48" symmetric reflector, white finish
LSXR	Sensor Switch® LSXR occupancy sensor ⁴	ZLR L92 SYM UPL WH	92" symmetric reflector with uplight, white finish
ZSPRG	For 15/16" T-grid only	ZLR L92 SYM WH	92" symmetric reflector, white finish
WGZ24	24" wireguard, white ¹¹	ZLR L96 SYM UPL WH	96" symmetric reflector with uplight, white finish
WGZ48	48" wireguard, white ^{11,12}	ZLR L96 SYM WH	96" symmetric reflector, white finish
ZLR L24 SYM UPL WH	24" symmetric reflector with uplight, white finish	UNIVERSAL REFL ALIGNER	Universal reflector aligners, quantity 1

Notes

- Optional. Reflectors ship separately.
- See Operational Data on page 3 for actual lumens.
- Not available with L24, 24" fixture. 347V and 480V utilize a step-down transformer.
- See ordering information on page 5. When choosing sensor options and PLR configuration, contact factory representative.
- Not available with cordsets.
- Not available with L24, 24" fixture. See spec sheet PS1055LCP, PS1555LCP and PS750L for more information. Emergency battery backup only available from -4°F (-20°C) to 86°F (30°C)
- Must specify voltage. 120, 208, 240 or 277V.
- Only available with the 10,000LM and 14,000LM fixtures.
- Voltage must be specified. This sensor configuration is suitable for minimum ambient temperature of 14°F (-10°C). See page 5 for low temperature option providing -4°F (-20°C) minimum ambient temperature. Sensors come prewired, they must be snapped into place at time of installation.
- Cordsets exit back of fixture unless OUTEND option is specified. Must specify voltage (not required when ordering CS93W).
- Not compatible with reflector.
- Order 2 for tandem double length fixtures (TZL1N).

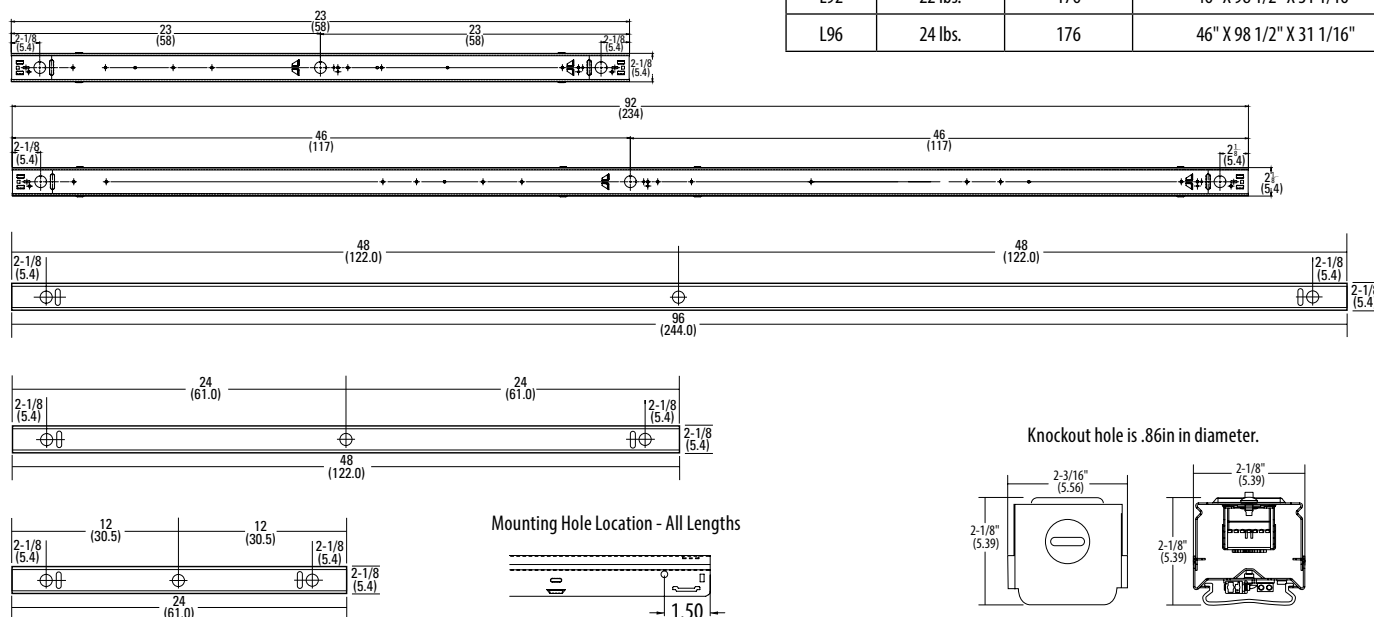
ZL1N LED Striplight

OPERATIONAL DATA												
	Nominal lumen package	Length (inches)	Delivered Lumens 3000 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 3500 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 4000 K CCT @ 77°F (25°C) ambient temperature		Delivered Lumens 5000 K CCT @ 77°F (25°C) ambient temperature		Wattage @ 120V/277V	Comparable Light Source
			80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI	80 CRI	90 CRI		
Lensed	1500LM	24	1738	1409	1777	1467	1804	1494	1871	1528	15	1-lamp 17W T8
	2500LM	24	2265	1846	2315	1900	2351	1947	2438	1991	19	1-lamp 17W T8
	3500LM	24	3586	2924	3666	3026	3723	3084	3860	3152	31	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	3000LM	46 or 48	3172	2586	3243	2677	3293	2728	3415	2788	25	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	5000LM	46 or 48	4417	3601	4515	3727	4585	3798	4754	3882	34	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
	7000LM	46 or 48	6535	5328	6681	5515	6785	5619	7035	5744	52	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	6000LM	92 or 96	6561	5349	6708	5537	6812	5642	7063	5767	48	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	10000LM	92 or 96	8687	7082	8881	7331	9019	7470	9351	7636	68	4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	14000LM	92 or 96	12457	10513	12735	10665	12933	10711	13409	10949	104	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID
Unlensed	1500LM	24	1881	1534	1923	1588	1953	1618	2025	1654	15	1-lamp 17W T8
	2500LM	24	2452	1999	2506	2069	2545	2108	2639	2155	19	1-lamp 17W T8
	3500LM	24	3882	3165	3969	3276	4031	3338	4179	3412	31	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	3000LM	46 or 48	3434	2800	3511	2898	3565	2953	3697	3019	25	1-lamp 32W T8, 1-lamp 54W T5H0, 50W HID
	5000LM	46 or 48	4781	3898	4888	4035	4964	4111	5147	4203	34	2-lamp 32W T8, 1-lamp 54W T5H0, 70W HID
	7000LM	46 or 48	7075	5768	7233	5971	7345	6083	7616	6219	52	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	6000LM	92 or 96	7103	5791	7261	5995	7374	6108	7646	6243	48	3-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	10000LM	92 or 96	9404	7667	9614	7937	9764	8087	10123	8266	68	4-lamp 32W T8, 2-lamp 54W T5H0, 100W HID
	14000LM	92 or 96	13485	10994	13786	11381	14001	11596	14516	11853	104	4-lamp 32W T8, 3-lamp 54W T5H0, 150W HID

DIMENSIONS

All dimensions are shown in inches (centimeters) unless otherwise noted.

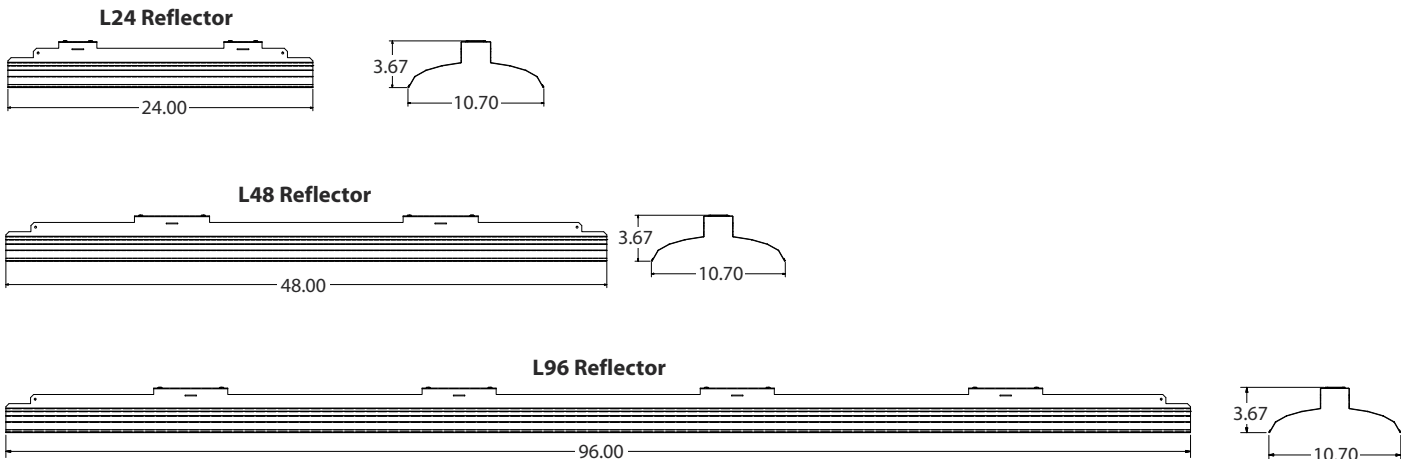
Specifications subject to change without notice.



PHOTOMETRICS

Please see www.lithonia.com

REFLECTORS (Optional)



PHOTOMETRICS

Please see www.lithonia.com

PRODUCT INFORMATION

Advanced plug-in system with two-circuit capability. Available on industrial and strip products and a variety of architectural products mounted in continuous rows. 1, 2, 3 and 4-lamp fixtures. PLR22 (2-circuit) and crossover harness switches hot circuit serving next fixture in row. Reduces fixture types on job for alternating circuit applications (see example below.)

Easy one-step installation, saves up to 35% on labor costs. Expanded switching flexibility helps save energy.

Rows can be 50% longer with two-circuit systems. Polarized, lock-together nylon connectors prevent miswiring in the field. #12 THHN conductor, rated 600V, 90°C. White neutral wire included. Grounding accomplished by fixture in-row connectors.

CSA certified systems available with up to 2 circuits. G ground required.

Note: Specifications subject to change without notice.



ORDERING INFORMATION Lead times will vary depending on options selected. Consult with your sales representative.

Series	Number of hot wires		Branch circuits		Dimming	Ground
PLR	(blank)	Not required for 22	Circuits to which ballast is connected	Emergency circuit connected	LV Low-voltage dimming	G Ground, required
PLR22	1	Black	(blank) Not required for 22	(blank) No emergency circuit		
	2	Black and red	A Black wire B Red wire	ELA Emergency circuit wired to black wire ELB Emergency circuit wired to red wire		

Typical Applications

- Multiple-circuit and single-circuit for longer continuous rows
- Multiple-circuit with alternating fixtures on separate circuits, 2-circuit (PLR 22)
- Multiple circuit with night-lights located along row as desired

LSXR — Fixture Mount Occupancy Sensor (see www.AcuityControls.com for additional information)

- Three interchangeable lens options to satisfy multiple mounting heights and coverage pattern requirements.
- Integrated mounting bracket drops lens down 3" from chase nipple.
- Single or dual relay versions — designed with robust protection from the harsh switching requirements of T5 and LED loads.
- Photocell and 0-10VDC dimming options.
- No PIR field calibration or sensitivity adjustments required.
- Sensor ambient temperature rating of 14°F (-10°C) to 131°F (55°C).

LSXR configuration	Comparable CMRB sensor	Old style sensor nomenclature
For shortest lead times use one of the following LSXR configurations		
LCOZU	CMRB 50	MSI
LCH0SZU	CMRB 50 D	MSID
LCPZU	CMRB 50 P	MSIPED
LAOZU	CMRB 6	MSI360
LAH0SZU	CMRB 6 D	MSI360D
LAPZU	CMRB 6 P	MSI360PED

SELECTIONS BELOW WILL EXTEND ORDER LEAD TIME. CONSULT YOUR SALES REPRESENTATIVE FOR DETAILS.

SINGLE RELAY

ORDERING INFORMATION

Example: LAH0SZU

Series	Lens option	Dimming/Photocell	Max. dim level	Min. dim level	Temp/Humidity	Default occupancy time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360°	O None ¹	0 10 VDC	S Minimum dim level of ballast	Z None	I 30 sec
	B Low mount, 360°	H High/low occupancy operation	9 9 VDC	1 1 VDC	T Low temperature ²	D 2.5 min
		P Switching photocell (on/off) ¹	8 8 VDC	2 2 VDC		X 5.0 min
	C High mount aisleway	M Dimming and switching photocell	7 7 VDC	3 3 VDC		R 7.5 min
				4 4 VDC		U 10.0 min (with minimum 15 minute on time)
		G Dimming and switching photocell with high/low occupancy operation		5 5 VDC		V 15.0 min
				6 6 VDC		W 20.0 min
						Y 30.0 min

Notes

- 1 Max and min dim levels not applicable with this option.
- 2 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

DUAL RELAY (Available with 120, 277, and 347V only)

ORDERING INFORMATION

Example: LA2KZU

Series	Lens option	Poles	Operating mode	Temp/Humidity	Default occupancy time delay
L LSXR passive infrared indoor occupancy sensor	A High mount, 360°	2 Dual relay	J None	Z None	I 30 sec
	B Low mount, 360°		K Alternating off relays (promotes even lamp wear)	T Low temperature¹	D 2.5 min
	C High mount aisleway		O Alternating off relays w/photocell		X 5.0 min
			P Switching photocell(on/off)		R 7.5 min
			E Photocell on/off (pole 1 only)		U 10.0 min (with minimum 15 minute on time)
			F Photocell on/off - both poles (dual set-point)		V 15.0 min
				W 20.0 min	
		Y 30.0 min			

Example: LENS 50 J100

Notes

- 1 Ambient temperature rating of -4°F (-20°C) to 131°F (55°C).

Replacement lenses: Order as separate catalog number.		
Series	Lens type	Package quantity
LENS	6 High mount 360°	[blank] Single Lens
	10 Low mount 360°	J10 10-pack
	50 High mount aisleway	J100 100-pack

PRODUCT INFORMATION

A standard occupancy time delay is also present to ensure lights turn off (once minimum on timer has also elapsed) if no occupancy is detected.

This timer is factory set at 10 minutes to promote energy savings, but is adjustable between 30 seconds and 30 minutes. These adjustments may be done through the unit's push-button.

FEATURES

- Four interchangeable lenses - high mount 360°, low mount 360°, high mount aisleway, and small motion 360°.
- Integrated mounting bracket drops lens down 3" from chase nipple - no bracket accessory required.
- 100% digital PIR detection - provides excellent RF immunity

Note: Specifications subject to change without notice.

Passive Infrared Indoor Occupancy Sensor

LSXR

Single Relay



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Example: LSXR 10 ADC HVOLT 30M

LSXR											
Series		Lens option						Dimming/photocell			
LSXR	Passive Infrared Indoor Occupancy Sensor	(blank)	No lens	610	High and low mount 360°		(blank)	None			
		6	High mount, 360°	650	High mount 360° and aisleway		HL	High/low occupancy operation			
		10	Low mount, 360°	3PK	High and low mount 360° and aisleway		P	Switching photocell (on/off)			
		50	High mount aisleway	4PK	All lenses		ADC	Dimming and switching photocell			
		9	Small motion, 360°				ANL	Dimming and switching photocell with high/low occupancy operation			
Voltage		Max dim level		Min dim level		Lead length		Temp humidity		Default time delay	
(blank)	120-277 VAC (MVOLT)	(blank)	10 VDC	(blank)	Minimum dimming level of ballast	(blank)	14"	(blank)	None	(blank)	10 minutes (with minimum 15 minutes on time)
HVOLT	347-480 VAC	9H	9 VDC	1V	1 VDC	42L	42"	LT	Low temperature	5M	5 minutes (LED only)
		8H	8 VDC	2V	2 VDC					15M	15 minutes
		7H	7 VDC	3V	3 VDC					20M	20 minutes
				4V	4 VDC					30M	30 minutes
				5V	5 VDC						
				6V	6 VDC						

For additional information see www.lithonia.com

OPTIONS AND ACCESSORIES

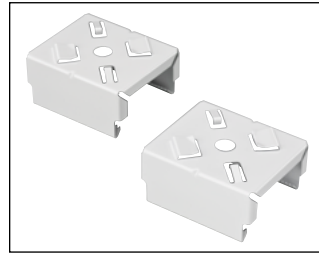
The Z Series fixture offers numerous options for almost every electrical and optical component, including a long list of field-installable accessories.



HANGER CHAIN

36" chain with Y hanger.

Order as:
HC36



Z SPRING HANGER

Snap 'n' lock design requires no fasteners and can be used on T-grid ceiling or universal mounting systems.

Order as:
ZSPRG



ZACVH HANGER

10' Aircraft cable with Y hanger.

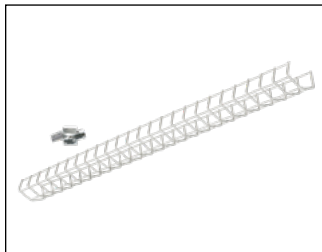
Order as:
ZACVH



ANGLE MOUNTING BRACKET

Luma-tilt™ angle bracket ships as a pair

Order as:
ZLANGBKT



WIRE GUARD

Order as:
WGZ24
WGZ48



RSX1 LED Area Luminaire



Catalog Number **RSX1 LED P4 40K R3 MVOLT SPA**

Notes **NLTAIR2 PIRHN DDBXD**

Type **R**

Hit the Tab key or mouse over the page to see all interactive elements.

Specifications

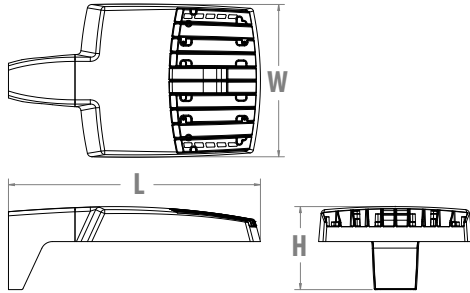
EPA
(ft²@0°): 0.57 ft² (0.05 m²)

Length: 21.8" (55.4 cm)
(SPA mount)

Width: 13.3" (33.8 cm)

Height: 3.0" (7.6 cm) Main Body
7.2" (18.4 cm) Arm

Weight
(max): 25.0 lbs (11.3 kg)



Introduction

The new RSX LED Area family delivers maximum value by providing significant energy savings, long life and outstanding photometric performance at an affordable price. The RSX1 delivers 7,000 to 17,000 lumens allowing it to replace 70W to 400W HID luminaires.

The RSX features an integral universal mounting mechanism that allows the luminaire to be mounted on most existing drill hole patterns. This "no-drill" solution provides significant labor savings. An easy-access door on the bottom of mounting arm allows for wiring without opening the electrical compartment. A mast arm adaptor and an adjustable integral slip-fitter are also available.

Ordering Information

EXAMPLE: RSX1 LED P4 40K R3 MVOLT SPA DDBXD

RSX1 LED					
Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting
RSX1 LED	P1	30K 3000K	R3 Type 3 Wide	MVOLT (120V-277V) ¹	SPA Square pole mounting (Min. 3.0" SQ for 1 at 90°, Min. 3.5" SQ for 2, 3, 4 at 90°)
	P2	40K 4000K	R4 Type 4 Wide	HVOLT (347V-480V) ²	
	P3	50K 5000K	R5 Type 5 Wide	(use specific voltage for options as noted)	RPA Round pole mounting (3.2" min pole dia. for 1,2,3 or 4 at 90°)
	P4		R5S Type 5 Short		MA Mast arm adaptor (fits 2-3/8" OD horizontal tenon)
			AFR Automotive Front Row	120 ³ 277 ³	IS Adjustable slipfitter (fits 2-3/8" OD tenon) ⁴
				208 ³ 347 ³	WBA Wall bracket
				240 ³ 480 ³	

Options		Finish	
Shipped Installed HS House-side shield PE Photocontrol, button style ^{5,7} PEX Photocontrol external threaded, adjustable ^{6,7} PER7 Seven-wire twist-lock receptacle only (no controls) ^{7,8,9} CE34 Conduit entry 3/4" NPT (Qty 2) SF Single fuse (120, 277, 347) ³ DF Double fuse (208, 240, 480) ³ SPD20KV 20KV Surge pack (10KV standard) FAO Field adjustable output DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately)		Shipped Installed *Standalone and Networked Sensors/Controls (factory default settings, see table page 5) NLTAIR2 nLight AIR generation 2 ^{10,15} PIRHN Networked, Bi-Level motion/ambient sensor (for use with NLTAIR2) ^{7,11,14,15}	
Shipped Separately (requires some field assembly) EGS External glare shield EGFV External glare full visor (360° around light aperture) BS Bird spikes ¹²		*Note: PIRHN with nLight Air can be used as a standalone or networked solution. Sensor coverage pattern is affected when luminaire is tilted.	
		DDBXD Dark Bronze DBLXD Black DNAXD Natural Aluminum DWHXD White DDBTXD Textured Dark Bronze DBLBXD Textured Black DNATXD Textured Natural Aluminum DWHGXD Textured White	



Ordering Information

Accessories

Ordered and shipped separately.

RSX1HS	RSX1 House side shield (includes 1 shield)
RSX1EGS U	External glare shield (specify finish)
RSX1EGFV U	External glare full visor (specify finish)
RSXRPA U	RSX Universal round pole adaptor plate (specify finish)
DLL127F 1.5 JU	Photocell -SSL twist-lock (120-277V) ¹³
DLL347F 1.5 CUL JU	Photocell -SSL twist-lock (347V) ¹³
DLL480F 1.5 CUL JU	Photocell -SSL twist-lock (480V) ¹³
DSHORT SBK U	Shorting cap ¹³

NOTES

- 1 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 2 HVOLT driver operates on any line voltage from 347-480V (50/60 Hz).
- 3 Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- 4 IS maximum tilt is 90° above horizontal.
- 5 Requires MOVLT or 347V.
- 6 Requires 120V, 208V, 240V, 277V or 347V.
- 7 Not available in combination with other light sensing control options (following options cannot be combined: PE, PEX, PER7, PIRHN).
- 8 Twistlock photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Shorting Cap included. Dimming leads capped for future use.

- 9 For units with option PER7, the mounting must be restricted to +/- 45° from horizontal aim per ANSI C136.10-2010.
- 10 Must be ordered with PIRHN.
- 11 Must be ordered with NLTAIR2. For additional information on PIRHN visit [here](#).
- 12 Must be ordered with fixture for factory pre-drilling.
- 13 Requires luminaire to be specified with PER7 option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- 14 Two or more of the following options cannot be combined including DMG, PER7, FAO and PIRHN.
- 15 Requires MVOLT or HVOLT.

External Shields



House Side Shield



External Glare Shield



External 360 Full Visor

Pole/Mounting Information

Accessories including bullhorns, cross arms and other adaptors are available under the accessories tab at Lithonia's Outdoor Poles and Arms product page. Click here to visit [Accessories](#).

Tenon Adapters

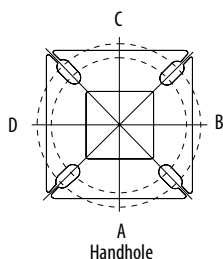
Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

Pole Drilling Nomenclature

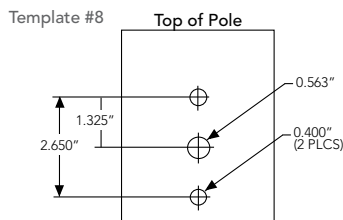
Number of heads at degree from handhole (default side A)					
DM19AS	DM28AS	DM29AS	DM32AS	DM39AS	DM49AS
1 @ 90°	2 @ 280°	2 @ 90°	3 @ 120°	3 @ 90°	4 @ 90°
Side B	Side B & D	Side B & C	Round pole only	Side B, C, & D	Sides A, B, C, D

Note: Review luminaire spec sheet for specific nomenclature

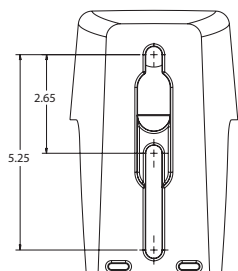
HANDHOLE ORIENTATION



RSX POLE DRILLING



RSX STANDARD ARM



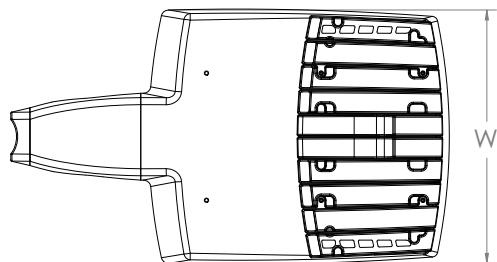
RSX1 - Luminaire EPA

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data.

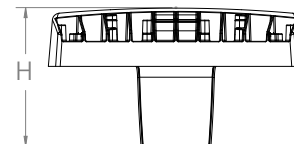
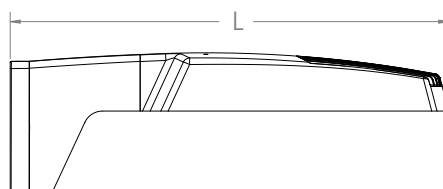
Fixture Quantity & Mounting Configuration		Single	2 @ 90	2 @ 180	3 @ 90	3 @ 120	4 @ 90	2 Side by Side	3 Side by Side	4 Side by Side
Mounting Type	Tilt									
SPA - Square Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.13	1.7	2.26
RPA - Round Pole Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.13	1.7	2.26
MA - Mast Arm Adaptor	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.13	1.7	2.26
IS - Integral Slipfitter	0°	0.57	1.03	1.05	1.52	1.36	2.03	1.31	1.7	2.26
	10°	0.68	1.34	1.33	2	1.74	2.64	1.35	2.03	2.71
	20°	0.87	1.71	1.73	2.56	2.26	3.42	1.75	2.62	3.49
	30°	1.24	2.19	2.3	3.21	2.87	4.36	2.49	3.73	4.97
	40°	1.81	2.68	2.98	3.85	3.68	5.3	3.62	5.43	7.24
	45°	2.11	2.92	3.44	4.2	4.08	5.77	4.22	6.33	8.44
	50°	2.31	3.17	3.72	4.52	4.44	6.26	4.62	6.94	9.25
	60°	2.71	3.66	4.38	5.21	5.15	7.24	5.43	8.14	10.86
	70°	2.78	3.98	4.54	5.67	5.47	7.91	5.52	8.27	11.03
	80°	2.76	4.18	4.62	5.97	5.76	8.31	5.51	8.27	11.03
	90°	2.73	4.25	4.64	6.11	5.91	8.47	5.45	8.18	10.97

Dimensions

RSX1 with Round Pole Adapter (RPA)



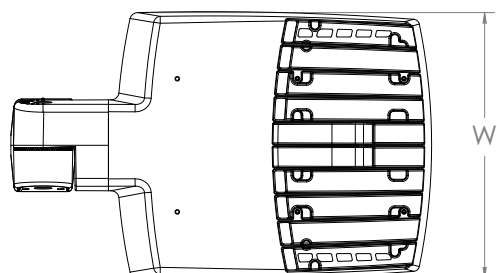
Length: 22.8" (57.9 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.2" (18.4 cm) Arm



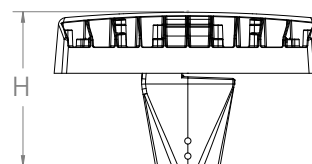
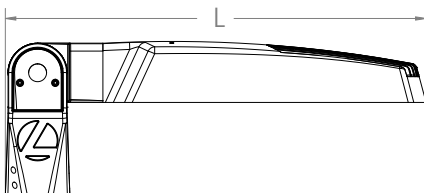
Note: RPA — Round Pole mount can also be used to mount on square poles by omitting the round pole adapter plate shown here.



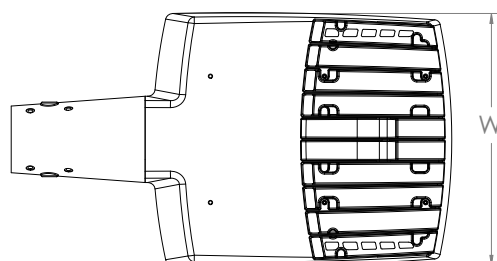
RSX1 with Adjustable Slipfitter (IS)



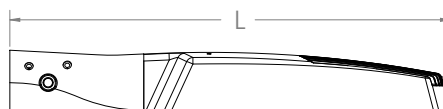
Length: 20.7" (52.7 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 7.6" (19.3 cm) Arm



RSX1 with Mast Arm Adapter (MA)



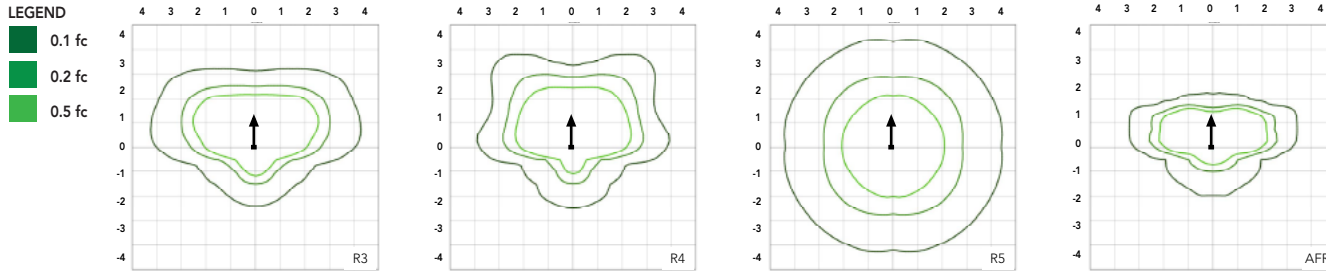
Length: 23.2" (59.1 cm)
 Width: 13.3" (33.8 cm)
 Height: 3.0" (7.6 cm) Main Body
 3.5" (8.9 cm) Arm



Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [RSX Area homepage](#).

Isofootcandle plots for the RSX1 LED P4 40K. Distances are in units of mounting height (20').



Performance Data

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-50°C (32-122°F).

Ambient	Ambient	Lumen Multiplier
0°C	32°F	1.05
5°C	41°F	1.04
10°C	50°F	1.03
15°C	59°F	1.02
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.97
45°C	113°F	0.96
50°C	122°F	0.95

Electrical Load

Performance Package	System Watts (W)	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	51W	0.42	0.25	0.21	0.19	0.14	0.11
P2	72W	0.60	0.35	0.30	0.26	0.21	0.15
P3	109W	0.91	0.52	0.45	0.39	0.31	0.23
P4	133W	1.11	0.64	0.55	0.48	0.38	0.27

Projected LED Lumen Maintenance

Operating Hours	50,000	75,000	100,000
Lumen Maintenance Factor	>0.97	>0.95	>0.92

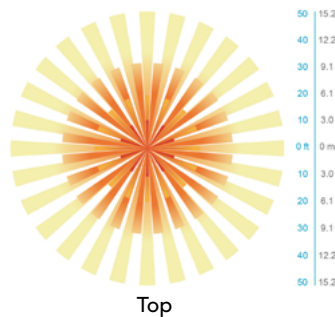
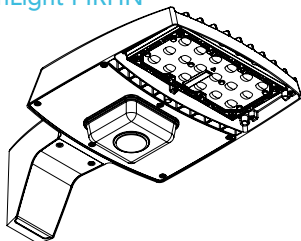
Values calculated according to IESNA TM-21-11 methodology and valid up to 40°C.

Lumen Output

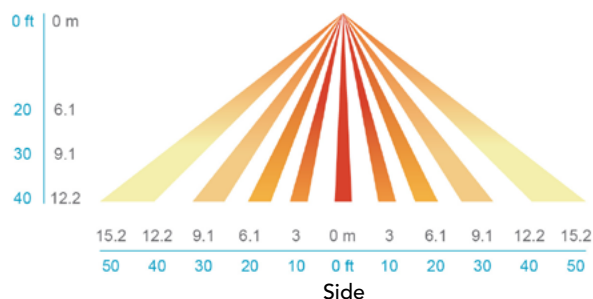
Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Distribution Type	30K (3000K, 70 CRI)						40K (4000K, 70 CRI)						50K (5000K, 70 CRI)					
			Lumens	B	U	G	LPW		Lumens	B	U	G	LPW		Lumens	B	U	G	LPW	
P1	51W	R3	6,459	1	0	2	127		7,096	1	0	2	139		7,096	1	0	2	139	
		R4	6,543	1	0	2	128		7,189	1	0	2	141		7,189	1	0	2	141	
		R5	6,631	3	0	2	130		7,286	3	0	2	143		7,286	3	0	2	143	
		R5S	6,807	3	0	1	133		7,479	3	0	1	147		7,479	3	0	1	147	
		AFR	6,473	1	0	1	127		7,112	1	0	1	139		7,112	1	0	1	139	
P2	72W	R3	8,959	2	0	2	124		9,843	2	0	2	137		9,843	2	0	2	137	
		R4	9,077	2	0	2	126		9,972	2	0	2	139		9,972	2	0	2	139	
		R5	9,198	4	0	2	128		10,106	4	0	2	140		10,106	4	0	2	140	
		R5S	9,443	3	0	1	131		10,374	3	0	1	144		10,374	3	0	1	144	
		AFR	8,979	2	0	1	125		9,865	2	0	1	137		9,865	2	0	1	137	
P3	109W	R3	12,763	2	0	2	117		14,023	2	0	2	129		14,023	2	0	2	129	
		R4	12,930	2	0	2	119		14,206	2	0	2	130		14,206	2	0	2	130	
		R5	13,104	4	0	2	120		14,397	4	0	2	132		14,397	4	0	2	132	
		R5S	13,452	3	0	2	123		14,779	3	0	2	136		14,779	3	0	2	136	
		AFR	12,791	2	0	1	117		14,053	2	0	2	129		14,053	2	0	2	129	
P4	133W	R3	14,890	2	0	3	112		16,360	2	0	3	123		16,360	2	0	3	123	
		R4	15,085	2	0	3	113		16,574	2	0	3	125		16,574	2	0	3	125	
		R5	15,287	4	0	2	115		16,796	4	0	2	126		16,796	4	0	2	126	
		R5S	15,693	4	0	2	118		17,242	4	0	2	130		17,242	4	0	2	130	
		AFR	14,923	2	0	2	112		16,395	2	0	2	123		16,395	2	0	2	123	

PIRHN nLight Sensor Coverage Pattern



Top



Side

Motion Sensor Default Settings - Option PIRHN

Option	Dimmed State (unoccupied)	High Level (when occupied)	Photocell Operation	Dwell Time (occupancy time delay)	Ramp-up Time (from unoccupied to occupied)	Ramp-down Time (from occupied to unoccupied)
PIRHN	Approx. 30% Output	100% Output	Enabled @ 1.5FC	7.5 minutes	3 seconds	5 minutes

*Note: PIRHN default settings including photocell set-point, high/low dim rates, and occupancy sensor time delay are all configurable using the Clairity Pro App.

FEATURES & SPECIFICATIONS

INTENDED USE

The RSX LED area family is designed to provide a long-lasting, energy-efficient solution for the one-for-one replacement of existing metal halide or high pressure sodium lighting. The RSX1 delivers 7,000 to 17,000 lumens and is ideal for replacing 70W to 400W HID pole-mounted luminaires in parking lots and other area lighting applications.

CONSTRUCTION

The RSX LED area luminaire features a rugged die-cast aluminum main body that uses heat-dissipating fins and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. Integral "no drill" mounting arm allows the luminaire to be mounted on existing pole drillings, greatly reducing installation labor. The light engines and housing are sealed against moisture and environmental contaminants to IP66. The low-profile design results in a low EPA, allowing pole optimization. All mountings are rated for a 1.5 G vibration load per ANSI C136.31.

FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures superior adhesion as well as a minimum finish thickness of 3 mils. The result is a high-quality finish that is warranted not to crack or peel.

OPTICS

Precision acrylic refractive lenses are engineered for superior application efficiency, distributing the light to where it is needed most. Available in short and wide pattern distributions including Type 3, Type 4, Type 5, Type 5S and AFR (Automotive Front Row).

ELECTRICAL

Light engine(s) configurations consist of high-efficacy LEDs mounted on metal-core circuit boards and aluminum heat sinks to maximize heat dissipation. Light engines are IP66 rated. LED lumen maintenance is >L92/100,000 hours. CCT's of 3000K, 4000K and 5000K (minimum 70 CRI) are available. Class 1 electronic drivers ensure system power factor >90% and THD <20%. Easily serviceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

STANDARD CONTROLS

The RSX LED area luminaire has a wide assortment of control options. Dusk to dawn controls include MVOLT and 347V button-type photocells and NEMA twist-lock photocell receptacles.

nLIGHT AIR CONTROLS

The RSX LED area luminaire is also available with nLight® AIR for the ultimate in wireless control. This powerful controls platform provides out-of-the-box basic motion sensing with photocontrol functionality and is suitable for mounting heights up to 40 feet. See chart above for motion sensor default out-of-box settings. Once commissioned using a smartphone and the easy-to-use CLAIRITY app, nLight AIR equipped luminaires can be grouped, resulting in motion sensor and photocell group response without the need for additional equipment. Scheduled dimming with motion sensor over-ride can be achieved when used with the nLight Eclipse. Additional information about nLight Air can be found [here](#).

INSTALLATION

Integral "no-drill" mounting arm allows for fast, easy mounting using existing pole drillings. Select the "SPA" option for square poles and the "RPA" option to mount to round poles. Note, the RPA mount can also be used for mounting to square poles by omitting the RPA adapter plate. Select the "MA" option to attach the luminaire to a 2 3/8" horizontal mast arm or the "IS" option for an adjustable slipfitter that mounts on a 2 3/8" OD tenon. The adjustable slip fitter has an integral junction box and offers easy installation. IS adjustable slipfitter is not rated for tilting above 90° or mounting within 4 feet of ground. Can be tilted up to 90° above horizontal.

LISTINGS

CSA Certified to meet U.S. and Canadian standards. Suitable for wet locations. Rated for -40°C minimum ambient. DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

WARRANTY

5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

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. Specifications subject to change without notice.

FEATURES & SPECIFICATIONS

INTENDED USE — Inspired by classic fluorescent strip channels, this LED fixture offers a traditional appearance that incorporates the latest technology. Available in several lengths and lumen packages. Ideal for use in commercial, retail, office, warehouse and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included with 2LL versions for continuous row mounting. High-gloss, baked white enamel finish (standard).

OPTICS — LEDs provided 80+ color rendering index (CRI) at 4000K. Diffuse polycarbonate lens provides smooth, linear illumination which is designed to resemble the classic look of traditional fluorescent tubes.

ELECTRICAL — Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015. For applications requiring higher level of protection, additional surge protection must be provided. Fixture features a non-dimming driver.

INSTALLATION — Fixture may be surface or suspension mounted with appropriate mounting options (see accessories). Aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards and listed suitable for damp locations. Minimum starting temperature at -40° F (-40° C). Maximum ambient operating temperature of 95° F (35° C) for 4' and 8' models. Maximum ambient operating temperature of 104° F (40° C) for 2' models. Lighting facts listed. ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

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.

Specifications subject to change without notice.

Catalog Number	MNSL L48 2LL MVOLT GZN 40K 80CRI
Notes	
Type	S



MNSL

LED Striplight



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Catalog number	Description	Lumens	Wattage	Voltage	Driver	Color Temperature	Color Rendering Index	Pallet Quantity
MNSL L23 1LL 120V GZN 40K 80CRI M6	2' 1-Light 120V LED Strip Light	1150	12	120V	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	576
MNSL L46 1LL MVOLT GZN 40K 80CRI M6	4' 1-Light MVOLT LED Strip Light	2300	25	MVOLT (120-277V)	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	288
MNSL L48 2LL MVOLT GZN 40K 80CRI M6	4' 2-Light MVOLT LED Strip Light	4500	50	MVOLT (120-277V)	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	168
MNSL L96 2LL MVOLT GZN 40K 80CRI	8' 2-Light MVOLT LED Strip Light	8200	90	MVOLT (120-277V)	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	252

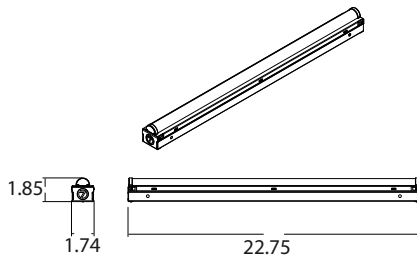
Accessories: Order as separate catalog number.

HC36	Chain hanger and jack chain, 36" (pair)
ZACVH	Aircraft cable 10' (one pair)
SQ	Swivel-stem hanger (specify length in 2" increments)

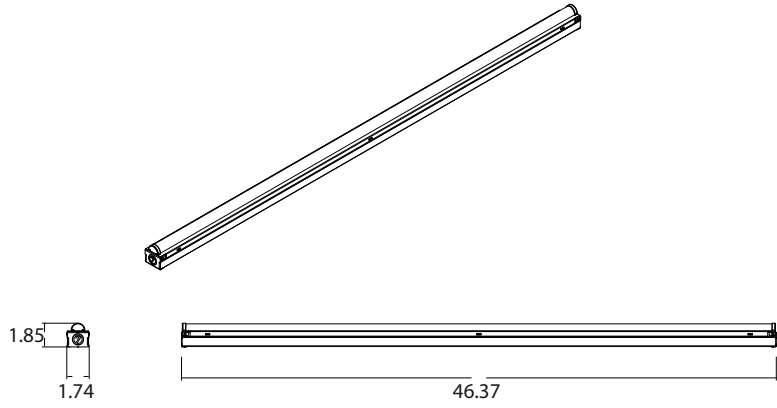
MNSL LED Striplight

DIMENSIONS

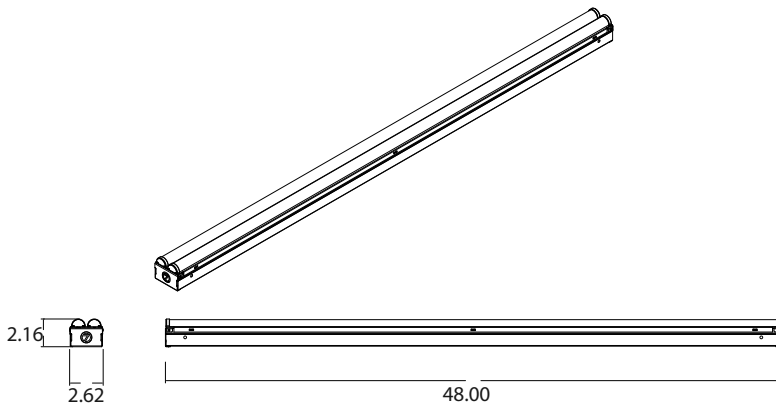
All dimensions are inches (centimeters) unless otherwise indicated.



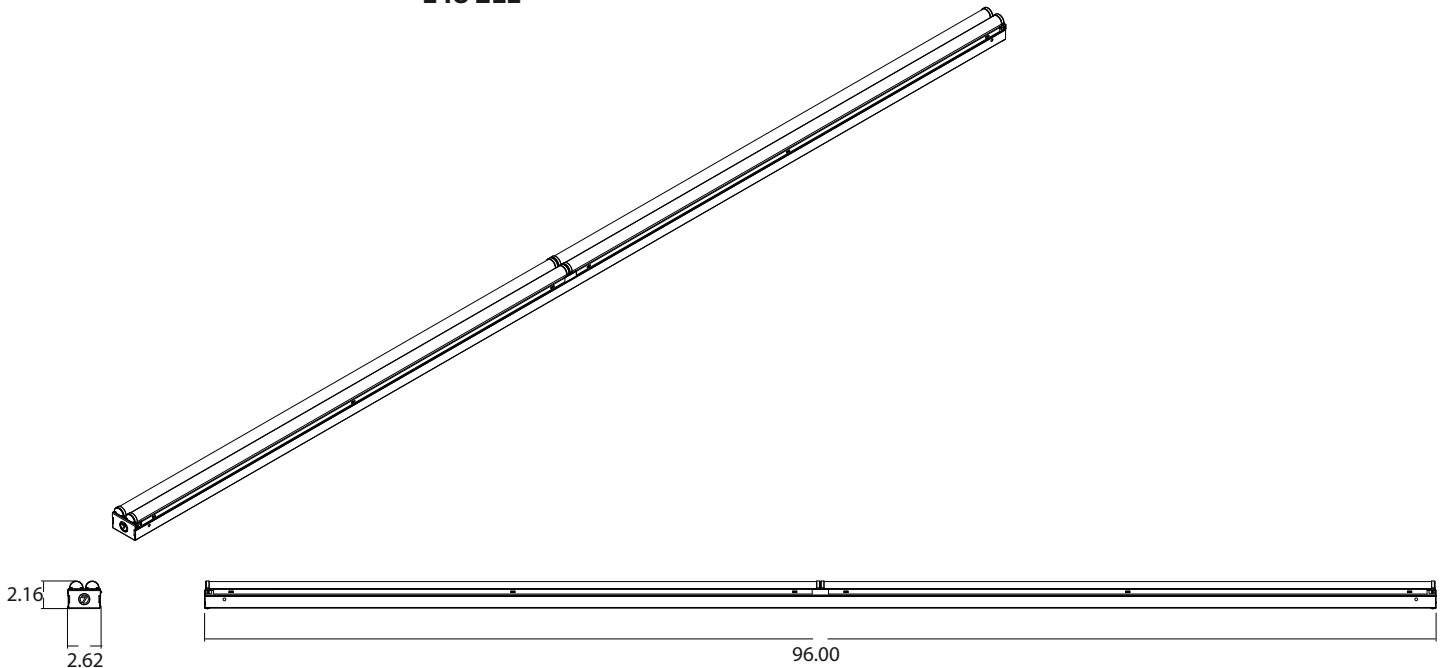
L23 1LL



L46 1LL



L48 2LL



L96 2LL

PHOTOMETRICS

See www.lithonia.com.

FEATURES & SPECIFICATIONS

INTENDED USE — Inspired by classic fluorescent strip channels, this LED fixture offers a traditional appearance that incorporates the latest technology. Available in several lengths and lumen packages. Ideal for use in commercial, retail, office, warehouse and display applications. **Certain airborne contaminants can diminish the integrity of acrylic and/or polycarbonate.** [Click here for Acrylic-Polycarbonate Compatibility table for suitable uses.](#)

Certain airborne contaminants may adversely affect the functioning of LEDs and other electronic components, depending on various factors such as concentrations of the contaminants, ventilation, and temperature at the end-user location. [Click here for a list of substances that may not be suitable for interaction with LEDs and other electronic components.](#)

CONSTRUCTION — Compact-design channel and cover are formed from code-gauge cold-rolled steel. Easy to install row aligner included with 2LL versions for continuous row mounting. High-gloss, baked white enamel finish (standard).

OPTICS — LEDs provided 80+ color rendering index (CRI) at 4000K. Diffuse polycarbonate lens provides smooth, linear illumination which is designed to resemble the classic look of traditional fluorescent tubes.

ELECTRICAL — Luminaire Surge Protection Level: Designed to withstand up to 2.5kV/0.75kA per ANSI C82.77-5-2015. For applications requiring higher level of protection, additional surge protection must be provided. Fixture features a non-dimming driver.

INSTALLATION — Fixture may be surface or suspension mounted with appropriate mounting options (see accessories). Aligner locks in place for easy continuous row mounting.

LISTINGS — CSA certified to US and Canadian safety standards and listed suitable for damp locations. Minimum starting temperature at -40°F (-40°C). Maximum ambient operating temperature of 95°F (35°C) for 4' and 8' models. Maximum ambient operating temperature of 104°F (40°C) for 2' models. Lighting facts listed. ENERGY STAR® certified product.

WARRANTY — 5-year limited warranty. Complete warranty terms located at: www.acuitybrands.com/resources/terms-and-conditions

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.

Specifications subject to change without notice.

Catalog Number	MNSL L96 2LL MVOLT GZN 40K 80CRI
Notes	
Type	SH



MNSL

LED Striplight



ORDERING INFORMATION

Lead times will vary depending on options selected. Consult with your sales representative.

Catalog number	Description	Lumens	Wattage	Voltage	Driver	Color Temperature	Color Rendering Index	Pallet Quantity
MNSL L23 1LL 120V GZN 40K 80CRI M6	2' 1-Light 120V LED Strip Light	1150	12	120V	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	576
MNSL L46 1LL MVOLT GZN 40K 80CRI M6	4' 1-Light MVOLT LED Strip Light	2300	25	MVOLT (120-277V)	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	288
MNSL L48 2LL MVOLT GZN 40K 80CRI M6	4' 2-Light MVOLT LED Strip Light	4500	50	MVOLT (120-277V)	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	168
MNSL L96 2LL MVOLT GZN 40K 80CRI	8' 2-Light MVOLT LED Strip Light	8200	90	MVOLT (120-277V)	Generic non-dimming driver	40K 4000K	80CRI 80 CRI	252

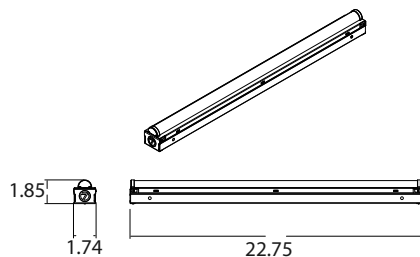
Accessories: Order as separate catalog number.

HC36	Chain hanger and jack chain, 36" (pair)
ZACVH	Aircraft cable 10' (one pair)
SQ	Swivel-stem hanger (specify length in 2" increments)

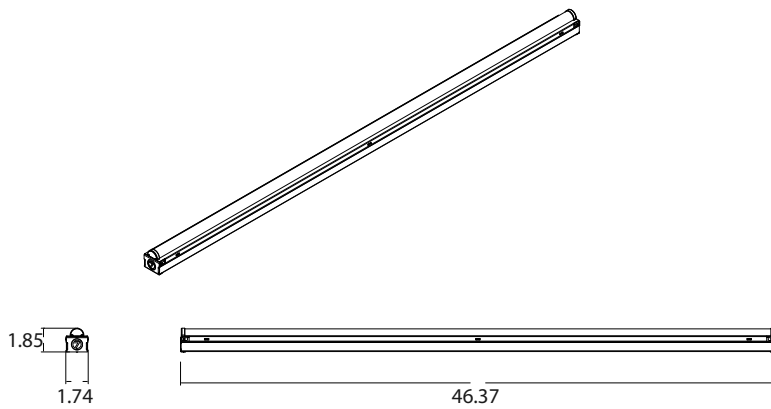
MNSL LED Striplight

DIMENSIONS

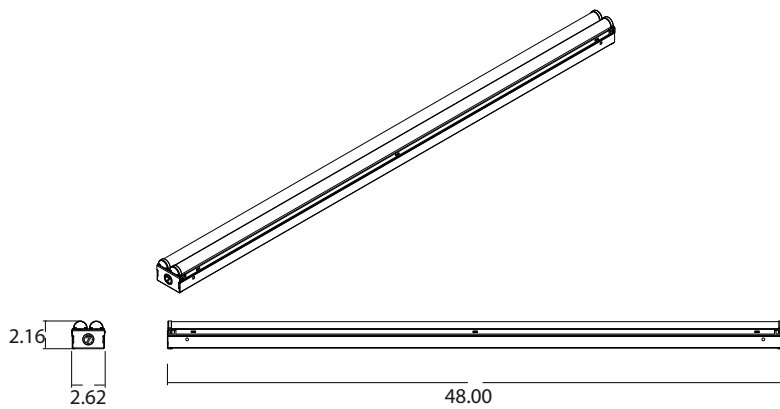
All dimensions are inches (centimeters) unless otherwise indicated.



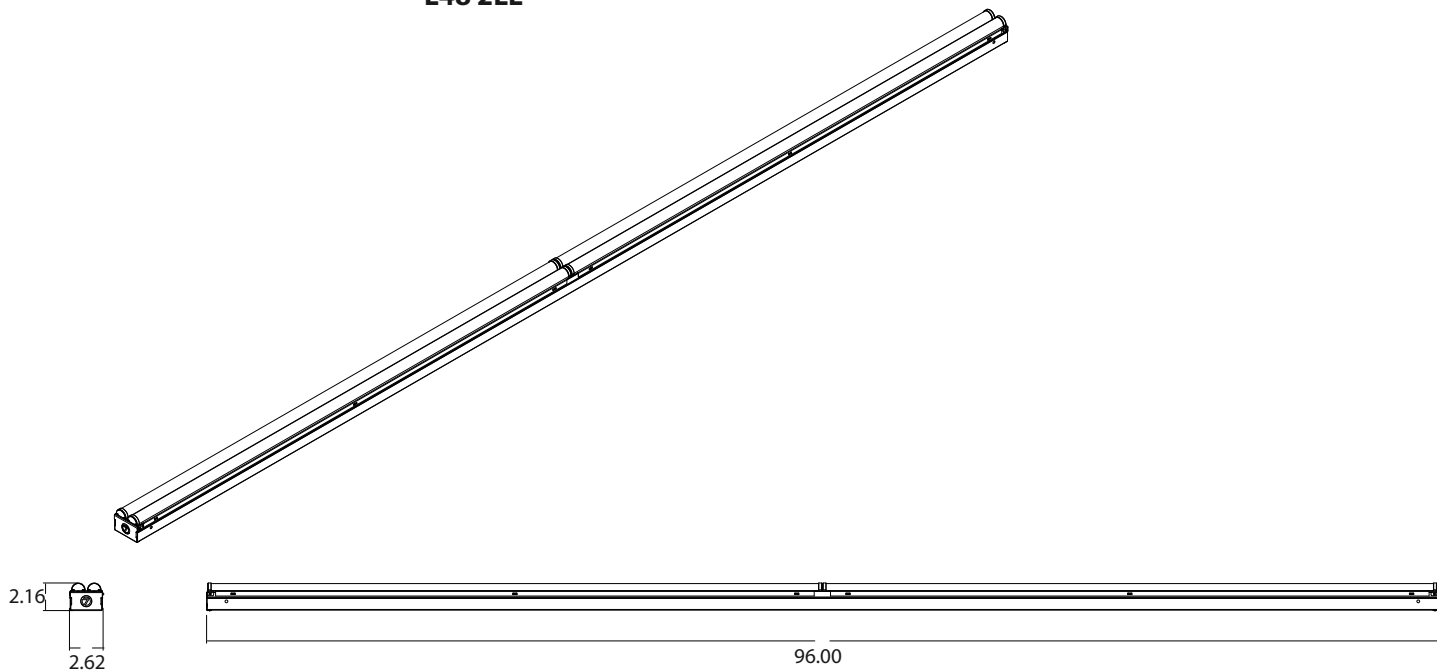
L23 1LL



L46 1LL



L48 2LL



L96 2LL

PHOTOMETRICS

See www.lithonia.com.



FEATURES & SPECIFICATIONS

INTENDED USE

Provides task or accent lighting in commercial, retail, hospitality and residential applications. Ideal for use under and over cabinets, display cases, task lighting, office lighting, coves and utility/work areas.

CONSTRUCTION

Durable aluminum construction in a low-profile design. Frosted acrylic diffuser and continuous row of LEDs provides even illumination.

ELECTRICAL

Link up to 7.5' of modular system to one transformer (required, sold separately). Fixtures can be linked end-to-end with the included end row connector (1-3/8" spacing) or 18" linking cord). 3", 24" and 121" connector cords may also be purchased separately for use between fixtures. Can be plugged in or direct-wired (splice box and 24" connector cord required for direct-wiring).

OPTICS

LEDs have a 50,000 hour L70 rated life. Provides a warm color temperature at 3000K, with 95 CRI.

Dimmable when used with the optional step dimmer (sold separately).

INSTALLATION

All mounting hardware included. Mounting clips allow for quick & easy installation. Can be flush mounted or angled at 30° using the provided clips. All configurations tested to IES LM79 standards.

LISTING

UL listed to US and Canadian safety standards.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

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.

Specifications subject to change without notice.

SPECIFICATIONS	9"	12"	18"	24"
Lumens (3000K):	324	434	630	958
Watts (3000K):	8	10	13.1	18.3
Lumens per watt:	41	43	48	52
Length:	9-1/4 (23.5)	12-1/4 (31.1)	18-1/4 (46.4)	24-1/4 (61.6)
Width:	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)
Height:	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)

All dimensions are inches (millimeters) unless otherwise indicated. Weights are pounds (kilograms).

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: RAZ 12IN 30K 90CRI

Series ^{1,2}	Length	Color temperature	CRI	Finish
RAZ Rayzer low profile LED undercabinet	9IN 9" nominal 12IN 1' nominal 18IN 1.5' nominal 24IN 2' nominal	30K 3000K	90CRI >90	(blank) Brushed nickel

Accessories/Replacement Parts^{1,2}

RAZTRANS24 120	24v transformer - 120v power source, includes 5' cord and plug and 24" connector cord (for linking to first fixture)	RAZ ERC	End row connector (fixture to fixture, 1 3/8" fixture spacing, 1 connector per pack)
RAZTRANS24 MVOLT	24v transformer - Multi-Volt power source, includes integrated direct-wire junction box and 24" connector cord (for linking to first fixture)	RAZ PHD	Power hub distributor, allows for additional fixture run
RAZDIM	Step dimmer with remote touch pad, 10' cord length on remote touchpad	RAZ INLS26	In-line power switch (transformer to linking cord, 26" cord length)
RAZ CC121	121" Linking cord (fixture to fixture)	UCD JB	Splice box - white (required for 120V direct wire)
RAZ CC24	24" linking cord (fixture to fixture)	UCD JB BL	Splice box - black (required for 120V direct wire)
RAZ CC3	3" linking cord (fixture to fixture)	UC ERC24	24" connector cord - white (required for 120V direct wire for splice box to transformer connection)
RAZLVCC	Low voltage linking cord (cord to cord), to connect multiple linking cords	UC ERC24 BL	24" connector cord - black (required for 120V direct wire for splice box to transformer connection)

Notes

1 Link up to 7.5' of modular system to one transformer.

2 Transformer is required for operation.

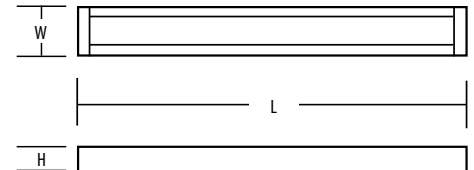
Catalog Number	RAZ 24IN 35K 90CRI / RAZTRANS24 MVOLT
Notes	
Type	U24" KITCHEN NORTH WALL

Indoor General Purpose

Rayzer™ Modular LED Lighting System

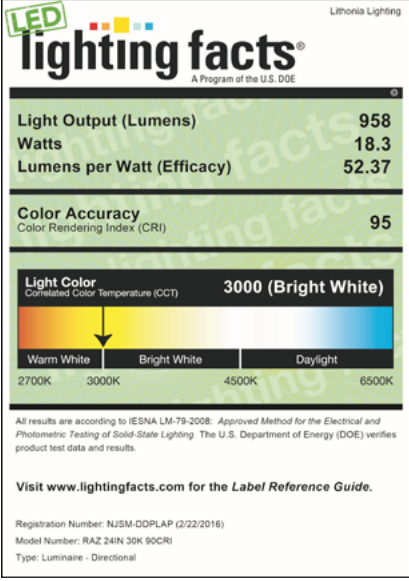
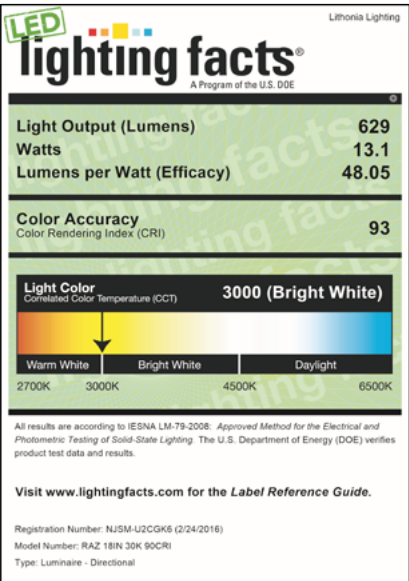
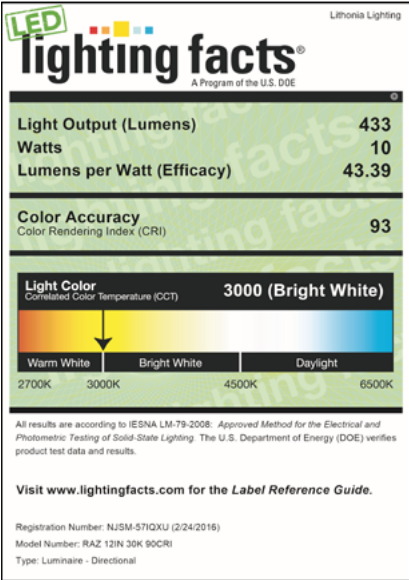
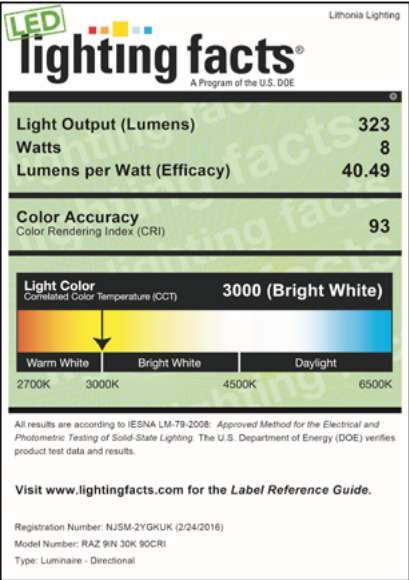


RAYZER™
LED MODULAR LIGHTING SYSTEM



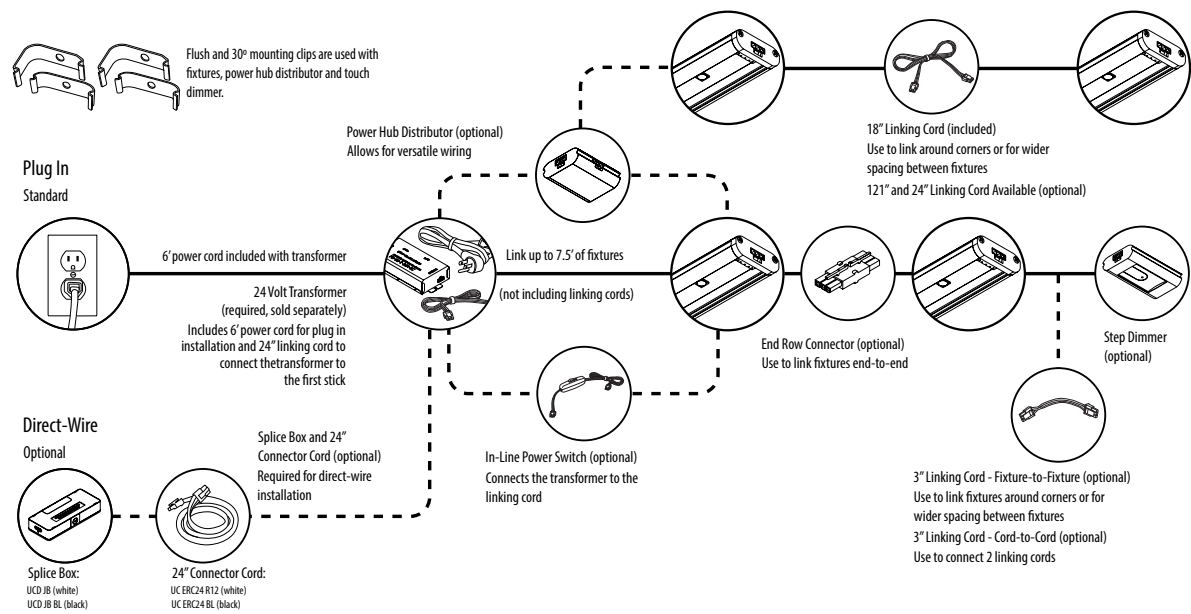
Rayzer™ LED Modular Lighting System

Full photometric data report available within 2 weeks from request. Consult factory.



INSTALLATION DIAGRAM

Note: Fixture includes 1 3/8" end row connector, 18" linking cord, mounting clips for flush or 30° mounting, and screws.



FEATURES & SPECIFICATIONS

INTENDED USE

Provides task or accent lighting in commercial, retail, hospitality and residential applications. Ideal for use under and over cabinets, display cases, task lighting, office lighting, coves and utility/work areas.

CONSTRUCTION

Durable aluminum construction in a low-profile design. Frosted acrylic diffuser and continuous row of LEDs provides even illumination.

ELECTRICAL

Link up to 7.5' of modular system to one transformer (required, sold separately). Fixtures can be linked end-to-end with the included end row connector (1-3/8" spacing) or 18" linking cord). 3", 24" and 121" connector cords may also be purchased separately for use between fixtures. Can be plugged in or direct-wired (splice box and 24" connector cord required for direct-wiring).

OPTICS

LEDs have a 50,000 hour L70 rated life. Provides a warm color temperature at 3000K, with 95 CRI.

Dimmable when used with the optional step dimmer (sold separately).

INSTALLATION

All mounting hardware included. Mounting clips allow for quick & easy installation. Can be flush mounted or angled at 30° using the provided clips. All configurations tested to IES LM79 standards.

LISTING

UL listed to US and Canadian safety standards.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.

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Specifications subject to change without notice.

SPECIFICATIONS	9"	12"	18"	24"
Lumens (3000K):	324	434	630	958
Watts (3000K):	8	10	13.1	18.3
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Width:	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)
Height:	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)

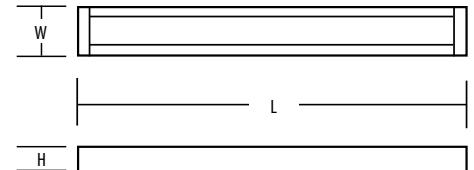
All dimensions are inches (millimeters) unless otherwise indicated. Weights are pounds (kilograms).

Indoor General Purpose

Rayzer™ Modular LED Lighting System



RAYZER™
LED MODULAR LIGHTING SYSTEM



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: RAZ 12IN 30K 90CRI

Series ^{1,2}	Length	Color temperature	CRI	Finish
RAZ Rayzer low profile LED undercabinet	9IN 9" nominal 12IN 1' nominal 18IN 1.5' nominal 24IN 2' nominal	30K 3000K	90CRI >90	(blank) Brushed nickel

Accessories/Replacement Parts^{1,2}

RAZTRANS24 120	24v transformer - 120v power source, includes 5' cord and plug and 24" connector cord (for linking to first fixture)	RAZ ERC	End row connector (fixture to fixture, 1 3/8" fixture spacing, 1 connector per pack)
RAZTRANS24 MVOLT	24v transformer - Multi-Volt power source, includes integrated direct-wire junction box and 24" connector cord (for linking to first fixture)	RAZ PHD	Power hub distributor, allows for additional fixture run
RAZDIM	Step dimmer with remote touch pad, 10' cord length on remote touchpad	RAZ INLS26	In-line power switch (transformer to linking cord, 26" cord length)
RAZ CC121	121" Linking cord (fixture to fixture)	UCD JB	Splice box - white (required for 120V direct wire)
RAZ CC24	24" linking cord (fixture to fixture)	UCD JB BL	Splice box - black (required for 120V direct wire)
RAZ CC3	3" linking cord (fixture to fixture)	UC ERC24	24" connector cord - white (required for 120V direct wire for splice box to transformer connection)
RAZLVCC	Low voltage linking cord (cord to cord), to connect multiple linking cords	UC ERC24 BL	24" connector cord - black (required for 120V direct wire for splice box to transformer connection)

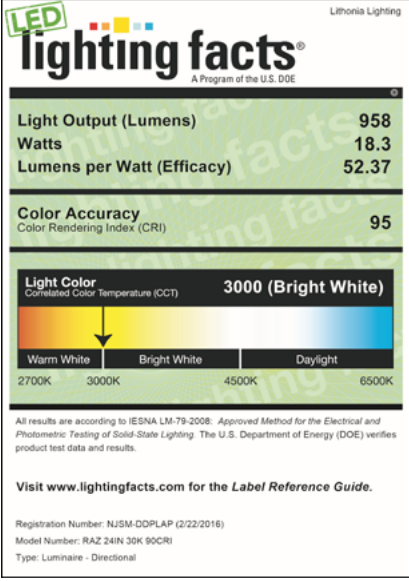
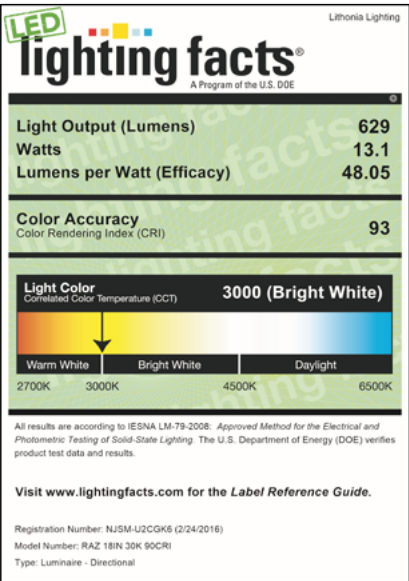
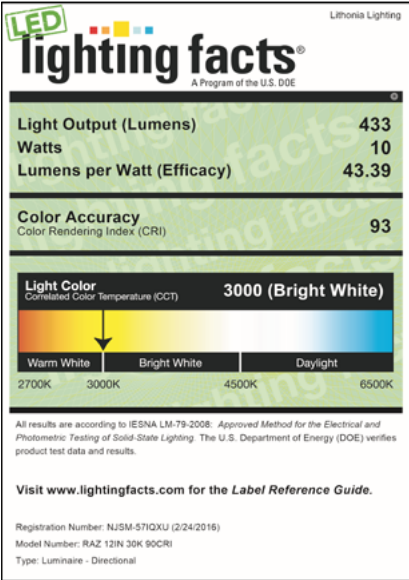
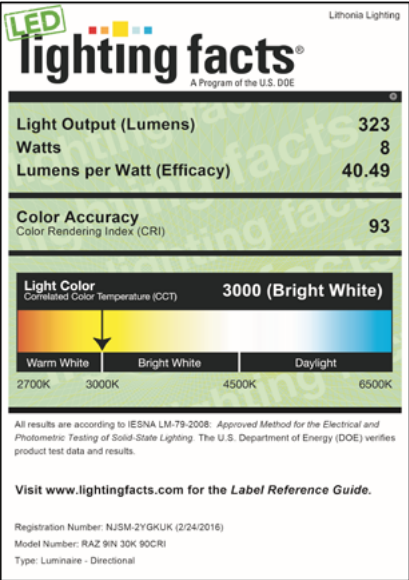
Notes

1 Link up to 7.5' of modular system to one transformer.

2 Transformer is required for operation.

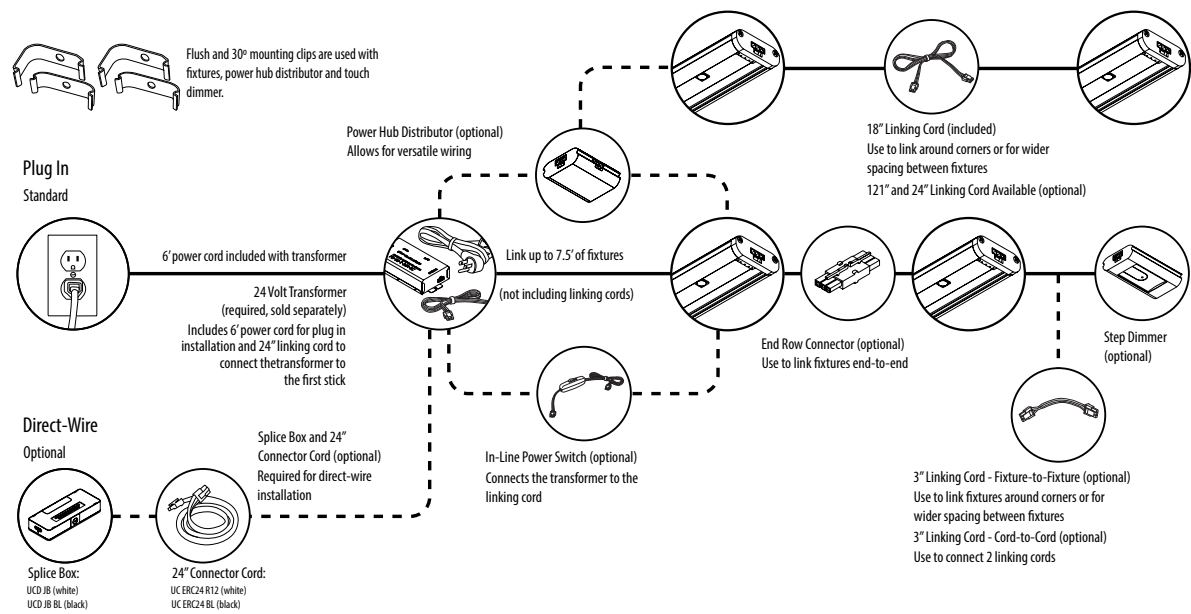
Rayzer™ LED Modular Lighting System

Full photometric data report available within 2 weeks from request. Consult factory.



INSTALLATION DIAGRAM

Note: Fixture includes 1 3/8" end row connector, 18" linking cord, mounting clips for flush or 30° mounting, and screws.





FEATURES & SPECIFICATIONS

INTENDED USE

Provides task or accent lighting in commercial, retail, hospitality and residential applications. Ideal for use under and over cabinets, display cases, task lighting, office lighting, coves and utility/work areas.

CONSTRUCTION

Durable aluminum construction in a low-profile design. Frosted acrylic diffuser and continuous row of LEDs provides even illumination.

ELECTRICAL

Link up to 7.5' of modular system to one transformer (required, sold separately). Fixtures can be linked end-to-end with the included end row connector (1-3/8" spacing) or 18" linking cord). 3", 24" and 121" connector cords may also be purchased separately for use between fixtures. Can be plugged in or direct-wired (splice box and 24" connector cord required for direct-wiring).

OPTICS

LEDs have a 50,000 hour L70 rated life. Provides a warm color temperature at 3000K, with 95 CRI.

Dimmable when used with the optional step dimmer (sold separately).

INSTALLATION

All mounting hardware included. Mounting clips allow for quick & easy installation. Can be flush mounted or angled at 30° using the provided clips. All configurations tested to IES LM79 standards.

LISTING

UL listed to US and Canadian safety standards.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

NOTE: Actual performance may differ as a result of end-user environment and application.

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Specifications subject to change without notice.

SPECIFICATIONS	9"	12"	18"	24"
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Width:	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)
Height:	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)

All dimensions are inches (millimeters) unless otherwise indicated. Weights are pounds (kilograms).

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: RAZ 12IN 30K 90CRI

Series ^{1,2}	Length	Color temperature	CRI	Finish
RAZ Rayzer low profile LED undercabinet	9IN 9" nominal 12IN 1' nominal 18IN 1.5' nominal 24IN 2' nominal	30K 3000K	90CRI >90	(blank) Brushed nickel

Accessories/Replacement Parts^{1,2}

RAZTRANS24 120	24v transformer - 120v power source, includes 5' cord and plug and 24" connector cord (for linking to first fixture)
RAZTRANS24 MVOLT	24v transformer - Multi-Volt power source, includes integrated direct-wire junction box and 24" connector cord (for linking to first fixture)
RAZDIM	Step dimmer with remote touch pad, 10' cord length on remote touchpad
RAZ CC121	121" Linking cord (fixture to fixture)
RAZ CC24	24" linking cord (fixture to fixture)
RAZ CC3	3" linking cord (fixture to fixture)
RAZLVCC	Low voltage linking cord (cord to cord), to connect multiple linking cords

RAZ ERC	End row connector (fixture to fixture, 1 3/8" fixture spacing, 1 connector per pack)
RAZ PHD	Power hub distributor, allows for additional fixture run
RAZ INLS26	In-line power switch (transformer to linking cord, 26" cord length)
UCD JB	Splice box - white (required for 120V direct wire)
UCD JB BL	Splice box - black (required for 120V direct wire)
UC ERC24	24" connector cord - white (required for 120V direct wire for splice box to transformer connection)
UC ERC24 BL	24" connector cord - black (required for 120V direct wire for splice box to transformer connection)

Notes

- 1 Link up to 7.5' of modular system to one transformer.
- 2 Transformer is required for operation.

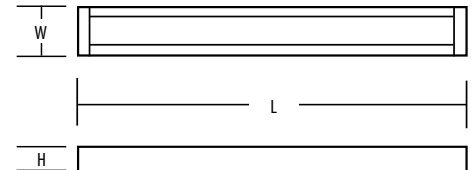
Catalog Number	RAZ 24/18IN 35K 90CRI / RAZTRANS24 MVOLT
Notes	RAZ ERC
Type	U42" RECEPTION SOUTH WALL

Indoor General Purpose

Rayzer™ Modular LED Lighting System

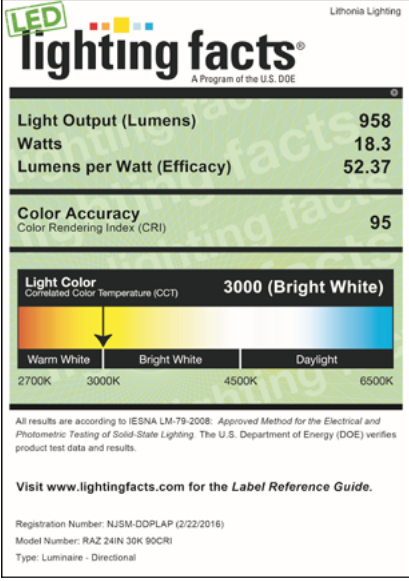
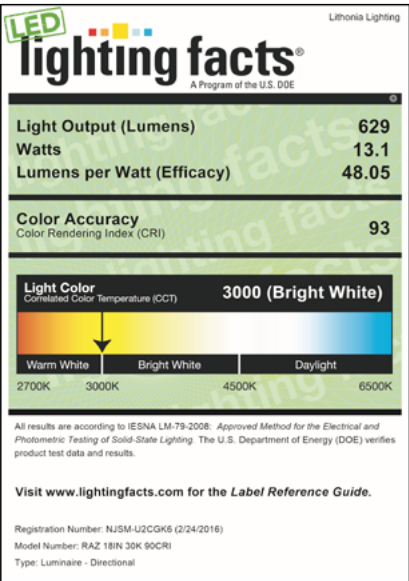
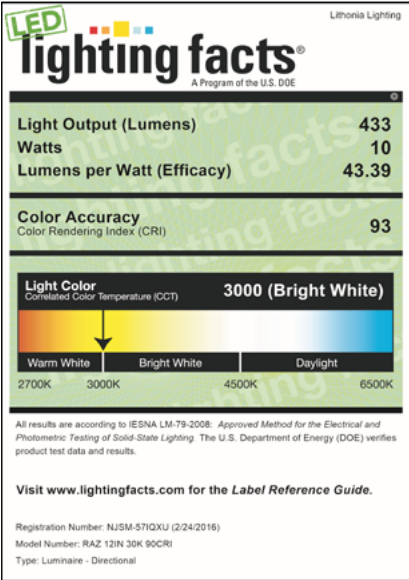
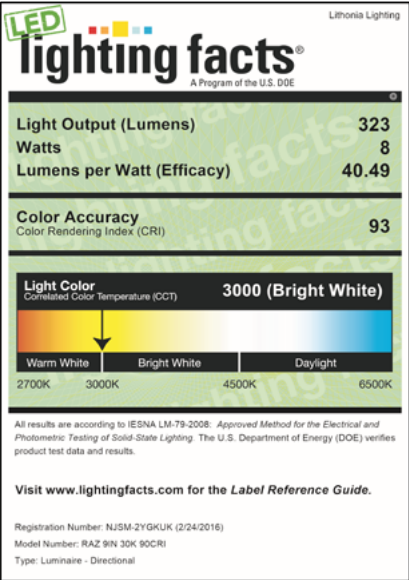


RAYZER™
LED MODULAR LIGHTING SYSTEM



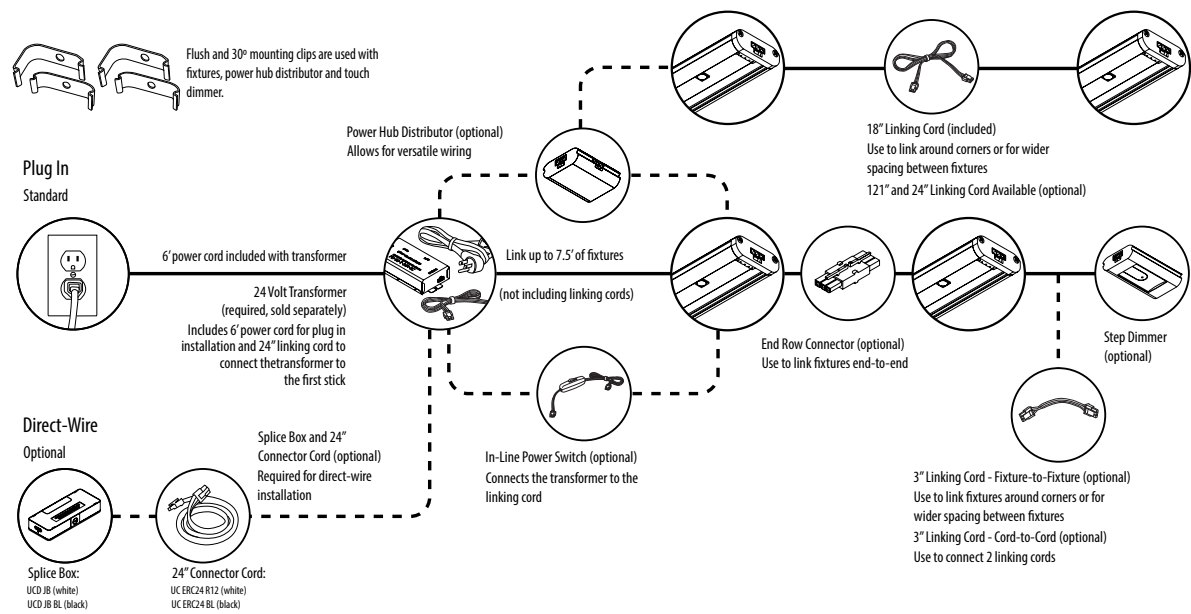
Rayzer™ LED Modular Lighting System

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INSTALLATION DIAGRAM

Note: Fixture includes 1 3/8" end row connector, 18" linking cord, mounting clips for flush or 30° mounting, and screws.





FEATURES & SPECIFICATIONS

INTENDED USE

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OPTICS

LEDs have a 50,000 hour L70 rated life. Provides a warm color temperature at 3000K, with 95 CRI.

Dimmable when used with the optional step dimmer (sold separately).

INSTALLATION

All mounting hardware included. Mounting clips allow for quick & easy installation. Can be flush mounted or angled at 30° using the provided clips. All configurations tested to IES LM79 standards.

LISTING

UL listed to US and Canadian safety standards.

WARRANTY

5-year limited warranty. Complete warranty terms located at:

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Specifications subject to change without notice.

SPECIFICATIONS	9"	12"	18"	24"
Lumens (3000K):	324	434	630	958
Watts (3000K):	8	10	13.1	18.3
Lumens per watt:	41	43	48	52
Length:	9-1/4 (23.5)	12-1/4 (31.1)	18-1/4 (46.4)	24-1/4 (61.6)
Width:	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)	1-1/4 (3.18)
Height:	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)	1/2" (1.27)

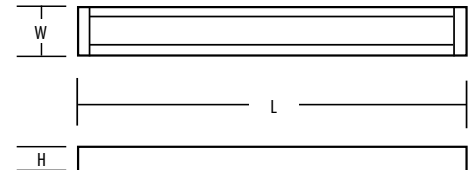
All dimensions are inches (millimeters) unless otherwise indicated. Weights are pounds (kilograms).

Indoor General Purpose

Rayzer™ Modular LED Lighting System



RAYZER™
LED MODULAR LIGHTING SYSTEM



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: RAZ 12IN 30K 90CRI

Series ^{1,2}	Length	Color temperature	CRI	Finish
RAZ Rayzer low profile LED undercabinet	9IN 9" nominal 12IN 1' nominal 18IN 1.5' nominal 24IN 2' nominal	30K 3000K	90CRI >90	(blank) Brushed nickel

Accessories/Replacement Parts^{1,2}

RAZTRANS24 120	24v transformer - 120v power source, includes 5' cord and plug and 24" connector cord (for linking to first fixture)	RAZ ERC	End row connector (fixture to fixture, 1 3/8" fixture spacing, 1 connector per pack)
RAZTRANS24 MVOLT	24v transformer - Multi-Volt power source, includes integrated direct-wire junction box and 24" connector cord (for linking to first fixture)	RAZ PHD	Power hub distributor, allows for additional fixture run
RAZDIM	Step dimmer with remote touch pad, 10' cord length on remote touchpad	RAZ INLS26	In-line power switch (transformer to linking cord, 26" cord length)
RAZ CC121	121" Linking cord (fixture to fixture)	UCD JB	Splice box - white (required for 120V direct wire)
RAZ CC24	24" linking cord (fixture to fixture)	UCD JB BL	Splice box - black (required for 120V direct wire)
RAZ CC3	3" linking cord (fixture to fixture)	UC ERC24	24" connector cord - white (required for 120V direct wire for splice box to transformer connection)
RAZLVCC	Low voltage linking cord (cord to cord), to connect multiple linking cords	UC ERC24 BL	24" connector cord - black (required for 120V direct wire for splice box to transformer connection)

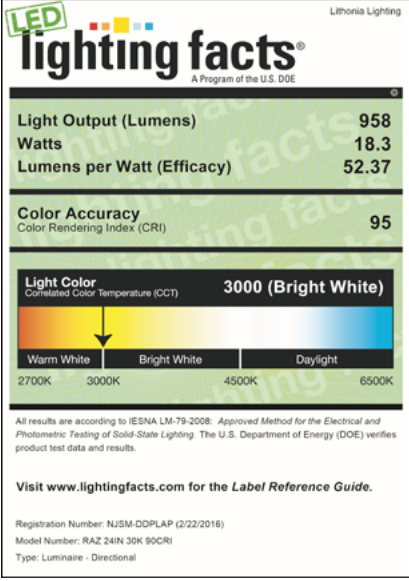
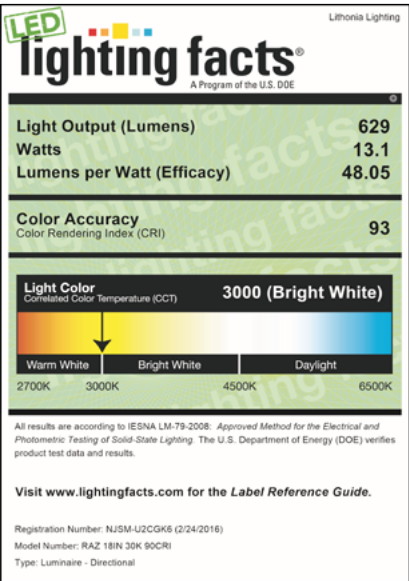
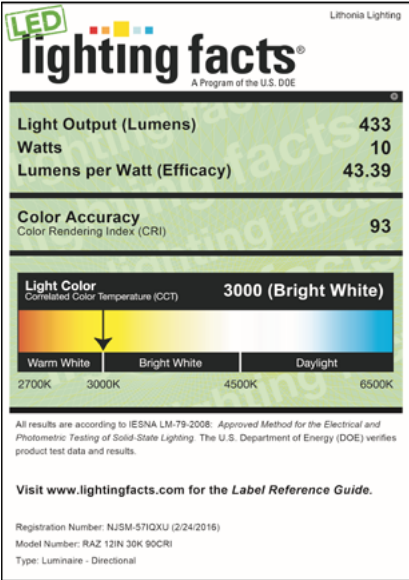
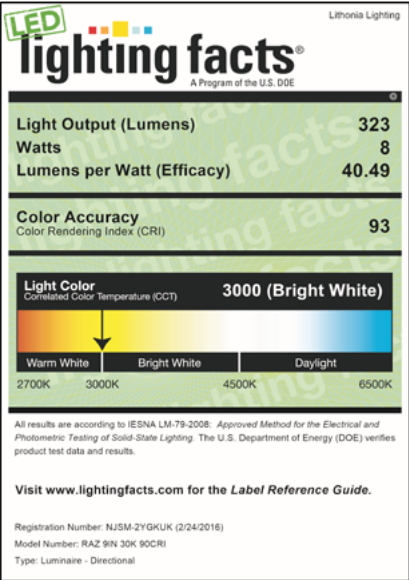
Notes

1 Link up to 7.5' of modular system to one transformer.

2 Transformer is required for operation.

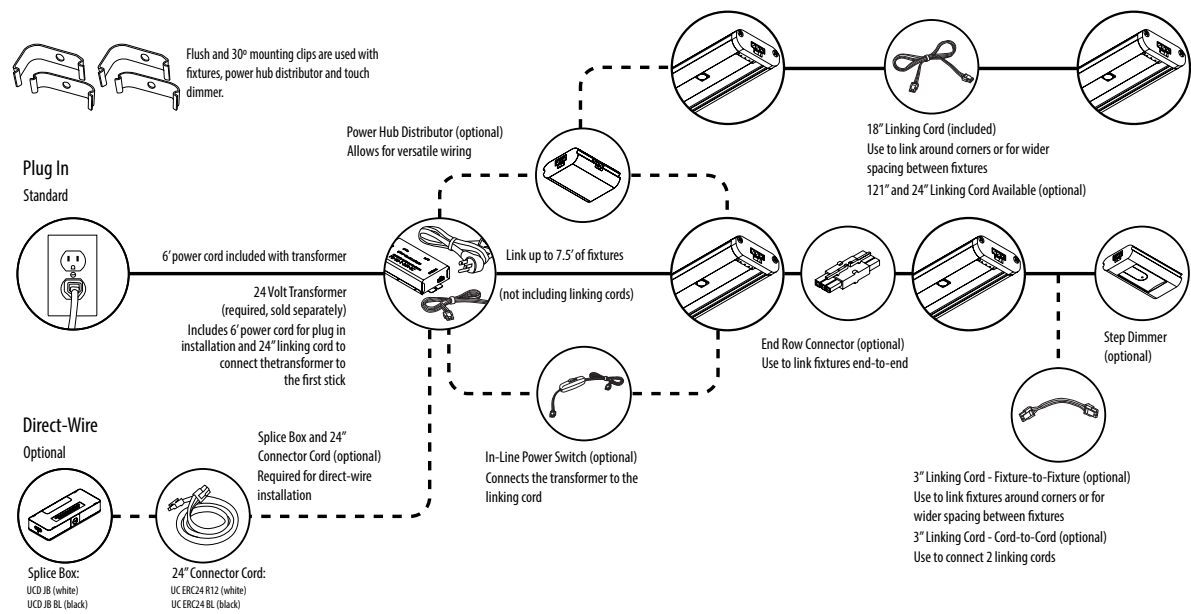
Rayzer™ LED Modular Lighting System

Full photometric data report available within 2 weeks from request. Consult factory.



INSTALLATION DIAGRAM

Note: Fixture includes 1 3/8" end row connector, 18" linking cord, mounting clips for flush or 30° mounting, and screws.





FEATURES & SPECIFICATIONS

INTENDED USE — Ideal for applications requiring attractive, quick-installation exit signs and low energy consumption.

CONSTRUCTION — Engineering-grade thermoplastic housing is impact-resistant, scratch-resistant, and corrosion-proof. UL94V-0 flame rating. UV-stable resin resists discoloration from natural and man-made light sources.

Rugged unibody housing snaps together with no additional mechanical fasteners. Faceplate and back cover are interchangeable on housing. Positive snap-fit tabs hold faceplate securely, yet easily removable for lamp compartment access.

Universal directional Chevron inserts are easily removed and reinserted. Uniform illumination without shadows or hot spots. Reinforced, impact-resistant color panels. Letters 6" high with 3/4" stroke, with 100 ft. viewing distance rating, based upon UL924 standards.

U.S. Patent No. 5,526,251; 5,611,163; 5,739,639; 5,954,423; 5,988,825; 6,152,581; D383,501; D495,751 and 6,502,044. Other patents pending.

OPTICS — LEDs mounted on printed circuit boards. Low energy consumption — less than one watt. LED lamp operates in normal (AC input) and emergency (DC input) modes.

The typical life of the exit LED lamp is 10 years.

ELECTRICAL — Low-voltage disconnect prevents excessively deep discharge that can permanently damage battery. Conveniently located test switch and LED provide visual and manual means of monitoring system.

Constant-current series charger minimizes energy consumption and provides low operating costs. Printed circuit boards are 100% quality tested during manufacturing. Current-limiting charger circuitry protects printed circuit boards from shorts.

AC/LV reset (line latch) allows battery connection before AC power is applied and aids in preventing battery damage from deep discharge.

Crystal oscillator timing system with watchdog protection for precision accuracy.

Brownout protection is automatically switched to emergency mode when supply voltage drops below 80% of nominal.

Battery: Sealed, maintenance-free nickel-cadmium battery delivers 90-minutes capacity to emergency lamps. Two-state constant-current charge maximizes battery life and automatically recharges after battery discharge.

Diagnostics: Single-point microcomputer control for all electronic features.

Single multi-chromatic LED indicator to display two-state charging, test activation and three-state diagnostic status.

Test switch provides manual activation of 30-second diagnostic testing for on-demand visual inspection. Self-diagnostic testing for five minutes every 30 days and 30 minutes every six months and 90 mins annually with WRS.

Diagnostic evaluation of LED light source, AC to DC transfer, charging and battery condition. Continuously monitors AC functionality.

INSTALLATION — Universal (top-, end-, or back-) mounting. Easily removed mounting knockouts. J-box pattern on back panel. Housing snaps to canopy with four positive-locking tabs. Cam-locking pin tightly secures housing to canopy.

Ships standard with additional face plate.

LISTINGS — UL damp location listed 50°-104°F (10°-40°C) standard. NOM Certified (see options). Meets UL924, NFPA 101 (current Life Safety Code), NEC and OSHA illumination standards. NEMA Premium certified.

Meets all applicable FCC requirements.



Thermoplastic Exits

LQM

LED LAMPS



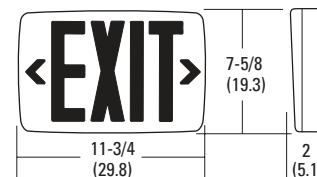
Specifications

Length: 11-3/4 (29.8)

Depth: 2 (5.1)

Height: 7-5/8 (19.3)

Weight: 2.6 lbs (1.2 kgs)



All dimensions are inches (centimeters) unless otherwise specified.

WARRANTY — 5-year limited warranty. (Battery is prorated.) Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Actual performance may differ as a result of end-user environment and application.

Note: Specifications subject to change without notice.

ORDERING INFORMATION

For shortest lead times, configure product using **bolded options**.

Example: LQM S W 3 R 120/277 EL N

Family	Face type	Housing color	Number of faces	Letter color	Input voltage ²	Operation	Options
LQM	S Stencil P Panel ¹	(blank) Black W White	3 Single face with extra faceplate and color panel	R Red G Green	120/277 Dual voltage	(blank) AC only X2 Primary and secondary AC inputs provided ³ EL N Nickel cadmium battery	(blank) None NOM NOM certified for Mexico ⁴ SD Self-diagnostics ⁵ SDFIFA Self-diagnostics, fire alarm flashing interface and flashing emergency operation and intermittent audible alarm (one flash/one second) ⁵

Notes

- Only available in custom signage. See spec sheet, [Custom-Signage](#).
- Some special voltages available. Consult factory.
- Must specify input voltage 120 or 277. Not available with other options.
- Available with stencil or panel faces in white housing.
- Only available with EL N operation.
- See spec sheet [ELA-WG](#).
- See spec sheet [ELA-Stemkits](#).

Accessories: Order as separate item.			
ELA WG1	Back-mount wireguard ⁶	ELA WGEXE	End-mount wireguard ⁶
ELA WGEXT	Top-mount wireguard ⁶	ELA LQMUS12	12" stem kit ⁷

SPECIFICATIONS

ELECTRICAL				
Primary Circuit				
Type ¹	Typical LED life ²	Supply voltage	Input watts	Max. amps
Red LED AC Only	10 years	120	.62	.05
		277	.69	.06
Green LED AC Only	10 years	120	.62	.05
		277	.74	.06
Red LED Emergency	10 years	120	.71	.05
		277	.92	.06
Green LED Emergency	10 years	120	.66	.05
		277	.70	.06

BATTERY				
Nickel Cadmium				
Voltage	Shelf life ³	Typical life ³	Maintenance ⁴	Optimum temperature ⁵
1.2	3 years	7-9 years	none	50°F - 104°F (10°C - 40°C)

- Notes
- 1 LED lamps operate in normal (AC input) and emergency (DC input) modes.
 - 2 Based on continuous operation. The typical life of the exit LED lamp is 10 years.
 - 3 At 77°F (25°C).
 - 4 All life safety equipment, including emergency lighting for path of egress must be maintained, serviced and tested in accordance with all National Fire Protection Association (NFPA) and local codes. Failure to perform the required maintenance, service, or testing could jeopardize the safety of occupants and will void all warranties.
 - 5 Optimum ambient temperature range where unit will provide capacity for 90 minutes. Higher and lower temperatures affect life and capacity. Consult factory for detailed information.

MOUNTING

All dimensions are inches (centimeters) unless otherwise specified.
Shipping weight: 2.6 lbs. (1.2 kgs.)

