US LED
Always the Right Choice!

√RightChoice
Outdoor LED Area & Site Lighting

CCT selectable

10 YEAR WARRANTY

Product Performance Summary

Lumen Output	Up to 77,639 lumens
Efficacy	Up to 171 LPW
CRI	≥ 80 CRI
Available CCT	Selectable CCT 3000K, 4000K & 5000K
Warranty	Ten-Year Warranty

Product Overview

The Right Choice Series (RCALR-2) from US LED elevates outdoor lighting with sleek, contemporary styling that blends effortlessly into any outdoor setting. The RCALR-2 utilizes advanced LED technology to offer selectable CCT options in one versatile, ultra-long-life outdoor luminaire. Backed by superior photometric performance, it delivers uniformity and optimal pole spacing to ensure spaces are beautifully lit and exceptionally efficient.

Key Features

- Superior outdoor lighting engineered for high performance, reliability, and long-term value.
- Modern, sleek design enhances curb appeal while maintaining night sky compliance.
- Field-selectable CCT provides on-site flexibility to match user preference.
- Ultra-long-life LED technology delivers superior performance with exceptional uniformity and visual comfort.

Electrical

- 120-277VAC or 277-480VAC; 50/60Hz input.
- Class I driver; 0-10V dimming standard.
- 10kV or 20kV surge protection available.
- System power factor >90% and THD ≤20%.
- Operating temperature: -40°C to 50°C (-40°F to 122°F).

Mounting

- Slip fitter, pole mount, 2 3/8" round tenon, and trunnion mounting options available.
- DarkSky Approved only with fixed-position mounting (no adjustability).

Construction

- Die-cast aluminum housing shields critical components from tough environments while maximizing thermal performance.
- Corrosion-resistant powder coat finish for lasting protection. Standard bronze or white, with custom colors available (consult factory).
- IP65-rated enclosure delivers reliable defense against dust, water, and other elements.
- IP65 rated LED light engine prevents dust or moisture from degrading performance.

Optics

- Precision-molded optics: Type II, Type III, Type IV, or Type V distributions. Optional rotatable optics are available (consult factory).
- Industry-leading LEDs with selectable CCT: 3000K, 4000K, and 5000K CCT (min. 80 CRI).
- DarkSky Approved only with 3000K CCT; 4000K/5000K CCT excluded.
- Lumen Maintenance: ≥167,000 Hours (L70) [1]

Warranty

- Backed by US LED's industry-leading Ten-Year Warranty.

Product Applications

- Auto Dealerships
- Retail Parking Lots
- Educational Facilities
- Business Campuses
- Recreational Areas
- Industrial Facilities
- Security Areas
- Site Pathway Areas

Product Certifications

- UL Certified
- Complies with UL1598 and CSA C22.2
- DLC Premium Listed
- Suitable for Wet Locations (IP65 Rated)
- RoHS Compliant

UL CERTIFIED · DLC LISTED PREMIUM · IP65 · RoHS · ASSEMBLED IN USA

Ordering Information

Example: RCALR-2-15-SCCT-UNVL-1-5-10SP-Z5 120 D1

RCALR	2		SCCT					Z5				
Series	**Variant**	**Model [2]**	**Selectable CCT**	**Input Voltage**	**Finish**	**Optics**	**Surge Protect**	**Item Code**	**Wattage**		**Controls**	
		15	SCCT Selectable CCT: 3000K, 4000K, and 5000K	UNVL 120-277V	1 Bronze	2 Type 2	10SP 10kV		100 100W		N No Photocell	
		30		UNVH 277-480V	2 White	3 Type 3	20SP 20kV		120 120W		D1 Photocell	
		48			C Custom	4 Type 4			150 150W		D2 Motion Sensor	
						5 Type 5			200 200W		Z Zhaga Receptacle For Casambi Controls	
									250 240W			
									300 300W			

Mounting Accessories
Example: SB12C-DM-B

SB12C		
Mounting		**Finish**
AM	Slip Fitter	B Bronze
DM	Adjustable Mount For Sq/Rnd Pole - 4" Nominal	W White
YM	Trunnion	C Custom
ADM	2 3/8" Round Tenon	

Shielding Accessories
Example: SB12C-BLS-1-B

SB12C		
Shielding	**Model**	**Finish**
BLS Back Light Shield	1 100-150W	B Bronze
HSS House Side Shield	2 200-300W	W White
		C Custom

1. US LED product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Reported Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.

2. **Wattage Options:** Model 15 (100W/120W/150W), Model 30 (200W/240W/300W), and Model 48 (480W).
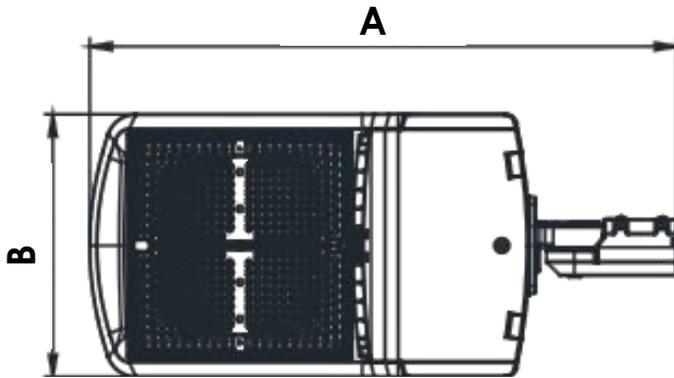
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Performance Data

Model	Optic	3000K CCT				4000K CCT				5000K CCT			
		Watts	Lumens	Efficacy	BUG	Watts	Lumens	Efficacy	BUG	Watts	Lumens	Efficacy	BUG
Model 15 100W	Type 2	102.5W	15,247	148.8 LPW	B3-U3-G2	97.8W	15,994	163.5 LPW	B3-U0-G3	98.9W	15,776	159.5 LPW	B3-U0-G3
	Type 3	102.8W	15,366	149.5 LPW	B3-U0-G3	97.9W	16,067	164.1 LPW	B3-U0-G3	99.1W	15,882	160.3 LPW	B3-U1-G3
	Type 4	103.3W	15,235	147.5 LPW	B3-U0-G3	98.3W	15,852	161.3 LPW	B3-U0-G3	99.3W	15,649	157.6 LPW	B3-U0-G3
	Type 5	103.9W	15,374	148.0 LPW	B3-U0-G3	100.0W	16,444	164.4 LPW	B3-U3-G2	100.0W	15,950	159.5 LPW	B3-U3-G2
Model 15 120W	Type 2	118.0W	17,244	146.1 LPW	B3-U0-G3	112.1W	18,075	161.2 LPW	B3-U0-G3	113.6W	17,771	156.4 LPW	B3-U0-G3
	Type 3	118.2W	17,389	147.1 LPW	B3-U1-G3	112.0W	18,163	162.2 LPW	B3-U0-G3	113.6W	17,865	157.3 LPW	B3-U0-G3
	Type 4	118.5W	17,164	144.8 LPW	B3-U0-G3	112.3W	17,946	159.8 LPW	B3-U3-G3	113.8W	17,557	154.3 LPW	B3-U0-G3
	Type 5	121.0W	18,481	152.7 LPW	B4-U3-G2	119.6W	19,933	166.6 LPW	B4-U3-G2	120.0W	19,334	161.1 LPW	B4-U3-G2
Model 15 150W	Type 2	156.6W	21,767	139.0 LPW	B4-U0-G4	147.7W	23,117	156.5 LPW	B4-U0-G4	151.7W	22,687	149.6 LPW	B4-U0-G4
	Type 3	156.5W	21,859	139.7 LPW	B4-U0-G4	147.3W	22,688	154.0 LPW	B4-U0-G4	150.2W	22,355	148.8 LPW	B4-U0-G4
	Type 4	156.6W	21,533	137.5 LPW	B3-U0-G3	149.9W	22,395	149.4 LPW	B4-U0-G4	150.3W	21,978	146.2 LPW	B4-U0-G4
	Type 5	150.2W	22,448	149.5 LPW	B4-U3-G2	145.3W	24,393	167.9 LPW	B4-U3-G2	151.0W	24,100	159.6 LPW	B4-U3-G2
Model 30 200W	Type 2	201.6W	30,195	149.8 LPW	B4-U3-G4	189.6W	32,862	173.3 LPW	B4-U3-G4	200.0W	31,400	157.0 LPW	B4-U3-G4
	Type 3	199.2W	29,993	150.6 LPW	B4-U1-G4	200.3W	32,457	162.0 LPW	B4-U1-G4	201.1W	31,867	158.5 LPW	B4-U1-G4
	Type 4	200.0W	30,279	151.4 LPW	B4-U0-G4	198.1W	32,921	166.2 LPW	B4-U0-G4	202.0W	31,549	156.2 LPW	B4-U0-G4
	Type 5	200.0W	30,864	154.3 LPW	B4-U3-G3	200.0W	32,840	164.2 LPW	B5-U3-G4	200.0W	31,508	157.5 LPW	B4-U3-G4
Model 30 240W	Type 2	241.8W	36,232	149.8 LPW	B4-U3-G4	239.6W	39,433	164.6 LPW	B5-U3-G5	242.0W	37,678	155.7 LPW	B4-U3-G4
	Type 3	240.0W	35,959	149.8 LPW	B4-U1-G4	240.0W	38,947	162.3 LPW	B4-U2-G4	240.0W	38,221	159.3 LPW	B4-U2-G4
	Type 4	240.0W	36,333	151.4 LPW	B4-U0-G4	238.1W	39,504	165.9 LPW	B5-U0-G5	239.0W	37,857	158.4 LPW	B4-U0-G4
	Type 5	239.8W	37,034	154.4 LPW	B5-U3-G3	239.6W	39,406	164.5 LPW	B5-U3-G5	240.0W	37,808	157.5 LPW	B5-U3-G4
Model 30 300W	Type 2	301.8W	45,290	150.1 LPW	B5-U3-G5	289.6W	49,291	170.2 LPW	B5-U3-G5	302.8W	47,097	155.5 LPW	B5-U3-G5
	Type 3	303.2W	44,987	148.4 LPW	B5-U2-G5	290.3W	48,684	167.7 LPW	B5-U2-G5	310.1W	47,777	154.1 LPW	B5-U2-G5
	Type 4	300.0W	45,417	151.4 LPW	B5-U0-G5	288.1W	49,380	171.4 LPW	B5-U0-G5	302.0W	47,321	156.7 LPW	B5-U0-G5
	Type 5	309.6W	46,293	149.5 LPW	B5-U3-G3	290.0W	49,257	169.9 LPW	B5-U3-G5	302.9W	47,260	156.0 LPW	B5-U3-G5
Model 48 480W	Type 2	474.4W	69,740	147.0 LPW	B5-U4-G5	455.3W	75,523	165.9 LPW	B5-U4-G5	474.5W	73,676	155.3 LPW	B5-U4-G5
	Type 3	483.7W	72,818	150.5 LPW	B5-U2-G5	454.6W	77,639	170.8 LPW	B5-U2-G5	474.3W	75,166	158.5 LPW	B5-U2-G5
	Type 4	472.3W	70,949	150.2 LPW	B5-U0-G5	451.6W	77,343	171.3 LPW	B5-U0-G5	470.2W	74,713	158.9 LPW	B5-U0-G5
	Type 5	473.7W	71,551	151.0 LPW	B5-U4-G4	455.1W	77,564	170.4 LPW	B5-U4-G4	475.7W	76,772	161.3 LPW	B5-U4-G4

DarkSky Approved only with 3000K CCT (4000K/5000K CCT excluded) and with fixed-position mounting (no adjustability).

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Outdoor LED Area & Site Lighting

Product Dimensions

A

B

Model	A	B	C	Net Weight	EPA Rating
15	22.95 in.	10.31 in.	2.83 in.	7.90 lbs.	1.54 ft.²
30	27.50 in.	11.40 in.	3.00 in.	9.60 lbs.	1.70 ft.²
48	32.90 in.	15.28 in.	3.22 in.	20.92 lbs.	2.76 ft.²
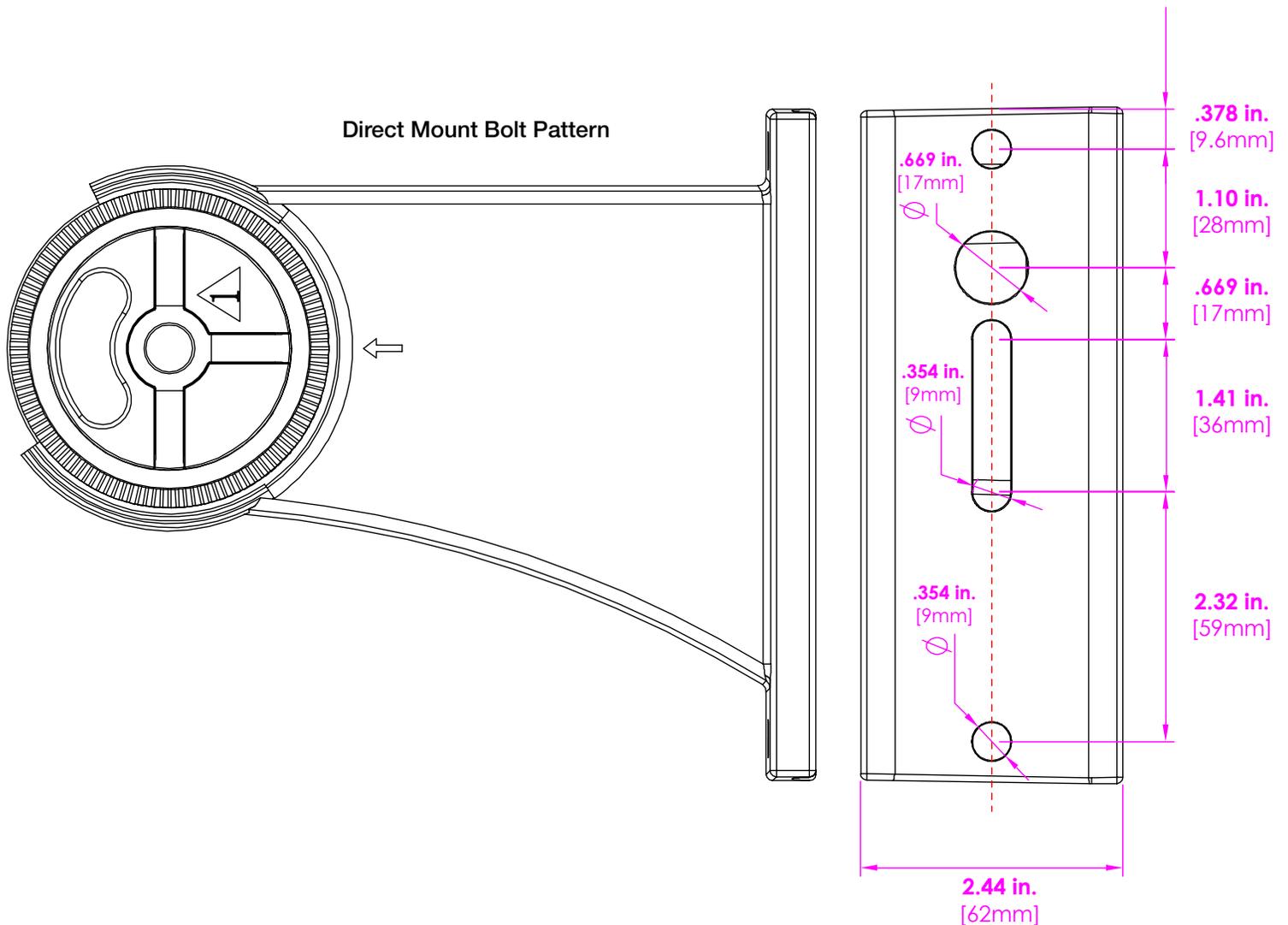
C

Direct Mount Bolt Pattern

.378 in. [9.6mm]

1.10 in. [28mm]

.669 in. [17mm]

.669 in. [17mm]

1.41 in. [36mm]

.354 in. [9mm]

.354 in. [9mm]

2.32 in. [59mm]

2.44 in. [62mm]

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Optical Distributions

Photometric testing was conducted in accordance with IESNA LM-79 standards by an NVLAP® accredited laboratory. ISO footcandle plots below are examples based on a 25' mounting height and illustrate general distributions. For all specifications, IES files, and detailed photometric data, please visit www.usled.com.
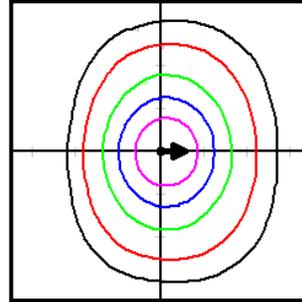
Type II Distribution
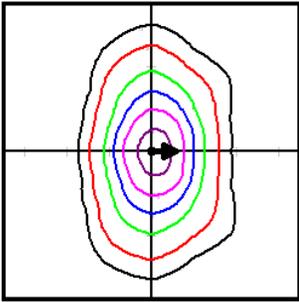
Type II distribution forms a wide, lateral, asymmetric pattern, typically used for applications requiring narrow lighting. Examples include car lot front rows, walkways, side streets, jogging paths, and entrances from the roadway.
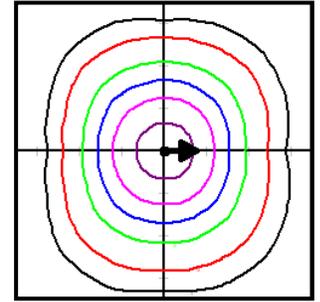
Type III Distribution
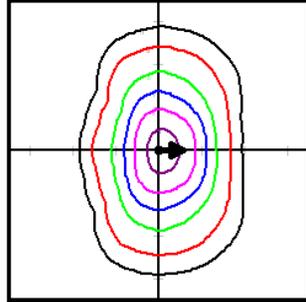
Type III distribution projects light evenly and equally forward on both sides in an "asymmetric" pattern. Commonly used in parking lots, wider roadways, and other applications where a larger area of lighting is required.

Type IV Distribution

Type IV distribution is intended to maximize the amount of light going forward in a longer "semicircular" pattern. It's used around parking lot perimeters where there is no desire for wasted light behind the pole. It's also used for parking areas on the sides of buildings.

Type V Distribution

Type V distribution forms a symmetrical round or square pattern that allows the light to have the same intensity at all angles. Primarily used in parking lot interiors and crossroads. It is also meant for large commercial parking lots where evenly distributed lighting is necessary.

Mounting Accessories

SB12C-DM
Square/Round Pole Mount (4" Nominal)

SB12C-AM
Adjustable Slip Fitter Mount

SB12C-BLS
Back Light Shield

SB12C-YM
Trunnion Mount

SB12C-ADM
2 3/8" Round Tenon Mount

SB12C-HSS
House Side Shield

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Control Accessories

Standard Grade Locking Type Electronic Photocontrol
Intermatic NIGHTFOX | Model ELC4536

Key Features

- Non-drift silicon light sensor with IR filter
- All components meet 10-year life expectancy
- Exceeds 5,000 ON/OFF switching cycles
- Ideal for single HID and LED fixtures (up to 550 W @ 277 VAC)
- Power-up ON delay (45-60 sec) for easy installation verification and troubleshooting

Sensor Time Delay	Instant On; 2-5 Seconds Off
Photocell Type	Silicon Diode
Photo Control Switch Type	Relay
Activation On	1.5 fc
Activation Off	2.25 fc
Photocontrol Type	Electronic
Photocontrol Style	Locking Type
Dimensions	2.75" Height; 3.375" Diameter
Magnetic Ballast Range(s)	1800 VA
Tungsten Range(s)	1000 W
Electronic Ballast Load Ratings Ranges	2 A, 120-277 VAC, 50/60 Hz
Input Voltage Range(s)	120-277VAC, 50/60 Hz (Nominal Voltage)
Surge Protection Technology	510 J MOV
Operating Voltage Range(s)	102-305 VAC
Operating Temperature	-40°C to 70°C (-40°F to 158°F)

Microwave Motion Sensor
HAISEN | Model HB01DMS-A

Key Features

- Microwave Motion Sensor - 12VDC input range; IP65 rating
- On/off control, stand-by dimming level, remote control capable.
- Default settings - Brightness: 100%, Hold time: 1min, Stand-By dimming level: 20%, Stand-by time: 1min, Sensitivity: 100% and Daylight: Disable.

Operating Voltage	12±2V
Operating Current	30mA
Output	DIM 0-10V
Stand-By Power	<0.5W
Brightness	0%-100%; Quick Setting: 70%/80%/90%/100%
Sensitivity	20%/50%/75%/100%
Hold Time	10s/1min/10min/30min
Daylight Threshold	10Lux/30Lux/50Lux/100Lux/ Disable
Stand-By Time	1min/30min/60min+∞
Stand-By Dimming Level	10%/20%/30%/50%
Microwave Power	<0.5mW
Detection Angle	360°
Detection Range	Max Ø50 ft.
Operating Temperature	-30°C to 60°C (-22°F to 140°F)

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