

# RSW Series

RSW™ LED Street Luminaire – Small

Rev. Date: V21 04/20/2021

## Product Description

The RSW Series, utilizing WaveMax® Technology, will transform the way utilities and municipalities light their residential streets. With the first viable LED streetlight at warm CCT, the RSW Series delivers up to 127 LPW, enhanced visual comfort with reduced glare and high color contrast leading to improved overall illumination using less energy. The RSW Series provides warm, inviting dark sky friendly lighting that makes good economic sense.

**Applications:** Residential roads, collector roads, parking lots, and general area spaces

## Performance Summary

Utilizes WaveMax® Technology

Assembled in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** Up to 5,000

**Efficacy:** Up to 127 LPW

**CRI:** Minimum 70 CRI (3000K, 4000K & 5000K); 80 CRI (2700K, 3000K, 4000K & 5000K)

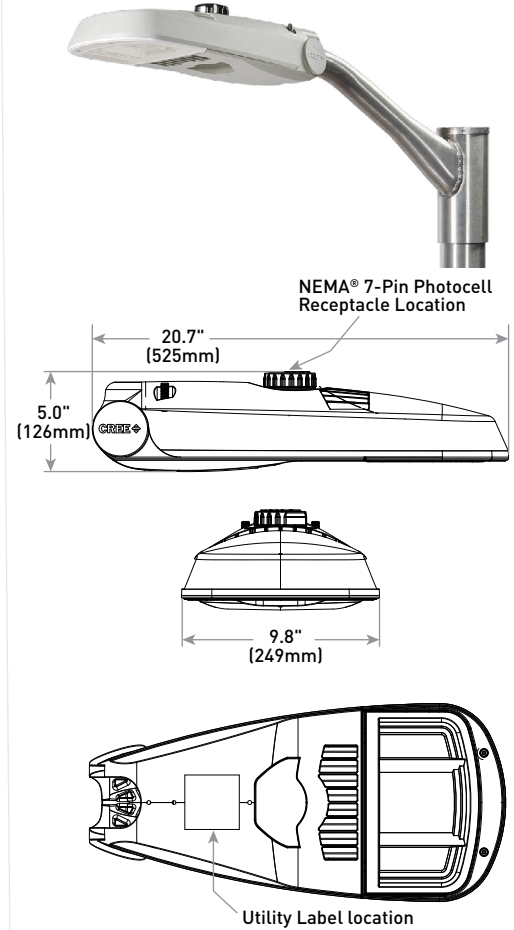
**CCT:** 2700K, 3000K, 4000K, 5000K

**Limited Warranty\*:** 10 years on luminaire; up to 5 years for Synapse® accessories; 1 year on luminaire accessories

\* See <http://creelighting.com/warranty> for warranty terms

## Accessories

Field-Installed	
<b>Backlight Control Shield</b> RSW-BLSS - Provides 1 mounting height cutoff - 0.5" (13mm) 301 stainless steel construction - Refer to initial delivered lumen tables for lumen output	<b>Cul-De-Sac Shield</b> RSW-CLSS - Provides backlight and sidelight control - 0.5" (13mm) 301 stainless steel construction - Lumen multiplier: 0.77
<b>Bird Guard</b> RSW-BRDGRDS - 5052-H32 aluminum construction	<b>Front Light Shield</b> RSW-FLSS - Provides front light control - 0.5" (13mm) 301 stainless steel construction - Lumen multiplier: 0.87
<b>Shorting Cap</b> XA-XSLSHRT	



Weight*
9.4 lbs. (4.3kg)

\* RSW-BLSS, RSW-CLSS, or RSW-FLSS Accessories: add 0.4 lbs. (0.2kg)

## Ordering Information

Example: RSW-A-HT-2ME-3L-27K8-UL-GY-N

RSWS	A	HT				UL		N	
Product	Version	Mounting*	Optic	Lumen Package***	CCT/CRI†	Voltage	Color Options	Utility Label/Receptacle	Options†
RSWS Small	A	HT Horizontal Tenon	2LG** Type II Long 2ME** Type II Medium 3ME** Type III Medium	3L 3,000 lumens 5L 5,000 lumens	27K8 2700K, 80 CRI 30K7 3000K, 70 CRI 30K8 3000K, 80 CRI 40K7 4000K, 70CRI 40K8 4000K, 80 CRI 50K7 5000K, 70CRI 50K8 5000K, 80CRI	UL Universal 120-277V	BK Black BZ Bronze GY Grey	N Utility Label and NEMA® 7-Pin Photocell Receptacle - External wattage label per ANSI C136.15 - 7-pin receptacle per ANSI C136.41 - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others	PP Pallet Packaging - Multiple luminaires (up to 26 maximum per pallet) Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q4, Q3, Q2, or Q1 - Offers full range lumen adjustability - Includes wattage label for setting selected - Refer to pages 5 & 6 for power and lumen values - Luminaire may also be dimmed through 7-Pin receptacle with use of dimming control by others - Refer to <a href="#">dimming spec sheet</a> for dimming multipliers SS Stainless Steel Bolts X3/X2/X1 Locked Lumen Output - Must select X3, X2, or X1 - Lumen output is permanently locked to the setting selected - Includes wattage label for setting selected - Refer to pages 5 & 6 for power and lumen values - Dimming is only available through 7-Pin receptacle with use of dimming control by others - Refer to <a href="#">dimming spec sheet</a> for dimming multipliers

\* Reference EPA and pole configuration suitability data on page 4

\*\* Available with Backlight Shield when ordered with field-installed accessory (see table above)

\*\*\* Lumen Package codes identify approximate light output only. Actual lumen output levels vary depending on CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

† 22K7, turtle friendly amber LED, DALI, and 20KV surge protection special options available. Consult factory for details



**CREE LIGHTING®**

US: [creelighting.com](http://creelighting.com) (800) 236-6800

Canada: [creelighting-canada.com](http://creelighting-canada.com) (800) 473-1234

**Product Specifications**

**WAVEMAX® TECHNOLOGY**

Featuring up to 90% optical efficiency and precise control, WaveMax® Technology provides unmatched comfort and decreased LED source luminance by smoothly spreading brightness over a broader area. When integrated with luminous surfaces made of a polymer medium engineered with DiamondFacet™ optical elements, extremely high efficacy luminaires are the result – ultimately creating more visually comfortable and appealing environments while exceeding illumination performance.

**CONSTRUCTION & MATERIALS**

- Housing constructed of high strength, lightweight bulk molding compound for long weathering and durability
- UV stabilized polymeric door with handle pocket for tool-less entry
- Straight in wiring to terminal block for power input (#6-#14 AWG)
- Optic box and driver enclosure inside optic box meet IP66 requirements
- Mounts on 1.25" [32mm] IP, 1.66" [42mm] O.D. or 2" [51mm] IP, 2.375" [60mm] O.D. horizontal tenon (minimum 8" [203mm] in length) and is adjustable +/- 5° in 2.5° increments to allow for fixture leveling (two axis T-level included)
- Luminaire secures with two grade 5 steel mounting bolts w/clear zinc clad finish standard; optional 316 stainless steel mounting bolts available with SS option
- Comes standard with Utility Label per ANSI C136.15 and 7-pin NEMA® Photocell Receptacle per ANSI C136.41
- **Weight:** 9.4 lbs. [4.3kg]; add 0.4 lbs. [0.2kg] for RSW-BLSS, RSW-CLSS, or RSW-FLSS accessories

**ELECTRICAL SYSTEM**

- **Input Voltage:** 120-277V, 50/60Hz
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **10V Source Current:** 0.15mA
- **Operating Temperature Range:** -40°C - +50°C [-40°F - + 122°F]

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- Meets CALTrans 611 Vibration testing
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 27K or 30K CCT. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information
- DLC and DLC Premium qualified versions available. Please refer to <https://www.designlights.org/search/> for most current information
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

**Product Specifications**

**SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL FOR NON-STREET LIGHTING APPLICATIONS ONLY**

The RSW Series is compatible with the Synapse® SimplySNAP platform. A highly intuitive connected lighting solution for Site and Area applications only. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. Using a Twist-Lock Lighting Controller and Site Controller, SimplySnap provides: energy productivity, code compliance and a better light experience for non-street lighting installations. SimplySNAP is optimized to create and manage networks for campus wide Area and Site applications which differs from networking requirements for street lighting applications.

Synapse Wireless Control Accessories (for Non-Street Lighting Applications only)	
<b>Twist-Lock Lighting Controller</b> TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaires - Refer to <a href="#">TL7-B2</a> spec sheet for details <b>SimplySNAP Central Base Station</b> CBS5W-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to <a href="#">CBS5W-450-002</a> spec sheet for details <b>Synapse Wireless Sensor</b> WSN-DPM - Motion and light sensor - Control multiple zones - Refer to <a href="#">WSN-DPM</a> spec sheet for details	<b>SimplySNAP On-Site Controller</b> SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to <a href="#">SS450-002</a> spec sheet for details <b>Building Management System (BMS) Gateway</b> BMS-GW-002 - Required for BACnet integration - Refer to <a href="#">BMS-GW-002</a> spec sheet for details <b>Outdoor Antennas (Optional, for increased range, 8dB gain)</b> KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to <a href="#">Outdoor antenna spec sheet</a> for details

Electrical Data*								
Lumen Package	CCT/CRI	System Watts 120-277V	Utility Label Wattage	Efficacy	Total Current (A)			
					120V	208V	240V	277V
3L	27K8	32	30	103	0.27	0.16	0.14	0.13
	30K7	28	30	118	0.23	0.14	0.12	0.11
	30K8	31	30	106	0.25	0.15	0.13	0.12
	40K7	26	30	127	0.21	0.13	0.11	0.10
	40K8	29	30	114	0.24	0.14	0.13	0.11
	50K7	26	30	127	0.21	0.13	0.11	0.10
5L	50K8	28	30	118	0.23	0.14	0.12	0.11
	27K8	53	50	94	0.44	0.26	0.23	0.20
	30K7	45	50	111	0.37	0.22	0.20	0.18
	30K8	51	50	98	0.42	0.25	0.22	0.20
	40K7	41	40	122	0.34	0.20	0.18	0.16
	40K8	47	50	106	0.39	0.23	0.20	0.18
	50K7	41	40	122	0.34	0.20	0.18	0.16
	50K8	45	50	111	0.37	0.22	0.20	0.18

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V +/- 10%

RSW Series (RSWS) Ambient Adjusted Lumen Maintenance <sup>1</sup>					
Ambient	Initial LMF	25K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Reported <sup>2</sup> LMF	100K hr Estimated <sup>3</sup> LMF
5°C (41°F)	1.04	1.03	1.02	1.02	1.02
10°C (50°F)	1.03	1.02	1.01	1.01	1.01
15°C (59°F)	1.02	1.01	1.00	1.00	1.00
20°C (68°F)	1.01	1.00	0.99	0.99	0.98
25°C (77°F)	1.00	0.98	0.98	0.98	0.97

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

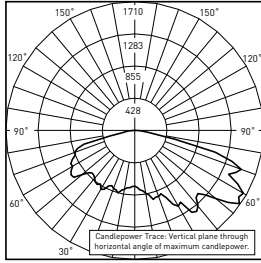
<sup>2</sup> In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

<sup>3</sup> Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

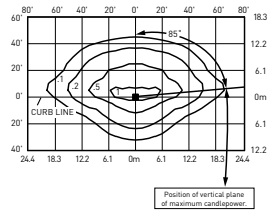
**Photometry**

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/street-and-roadway/rsw-series>

**2LG**



**UL Verification Services Test Report #:** 11624878.01  
**RSWS-A\*\*-2LG-3L-30K7-UL-GY-N**  
**Initial Delivered Lumens:** 3,294

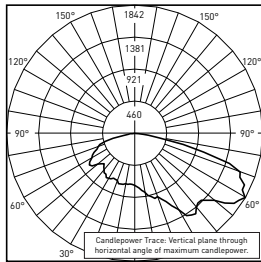


**RSWS-A\*\*-2LG-3L-30K7-UL-GY-N**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 3,300  
**Initial FC at grade**

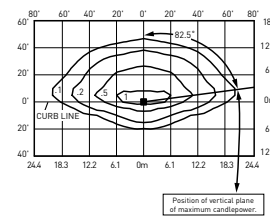
**Type II Long Distribution**

Lumen Package	CRI	2700K/3000K/4000K/5000K	
		Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
3L	All	3,300	B1 U0 G1
5L	All	5,000	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



**UL Verification Services Test Report #:** 11675461.06  
**RSWS-A\*\*-2LG-3L-30K7-UL-GY-N w/RSW-BLSS**  
**Initial Delivered Lumens:** 3,080



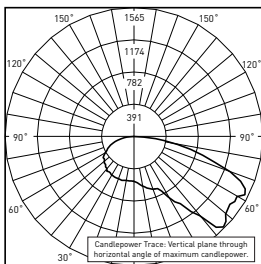
**RSWS-A\*\*-2LG-3L-30K7-UL-GY-N w/RSW-BLSS**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 3,050  
**Initial FC at grade**

**Type II Long w/BLS Distribution**

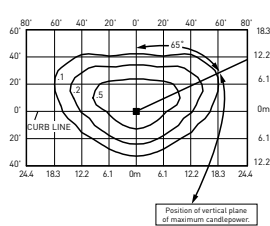
Lumen Package	CRI	2700K/3000K/4000K/5000K	
		Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
3L	All	3,050	B1 U0 G1
5L	All	4,630	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**2ME**



**UL Verification Services Test Report #:** 11644102.09  
**RSWS-A\*\*-2ME-3L-30K7-UL-GY-N**  
**Initial Delivered Lumens:** 3,251

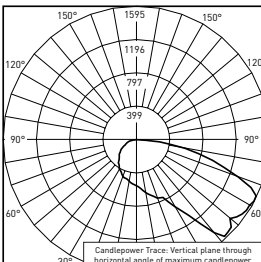


**RSWS-A\*\*-2ME-3L-30K7-UL-GY-N**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 3,300  
**Initial FC at grade**

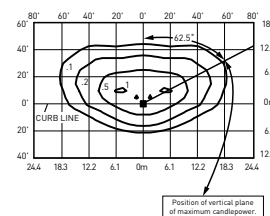
**Type II Medium Distribution**

Lumen Package	CRI	2700K/3000K/4000K/5000K	
		Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
3L	All	3,300	B1 U0 G1
5L	All	5,000	B1 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



**UL Verification Services Test Report #:** 11675461.02  
**RSWS-A\*\*-2ME-3L-30K7-UL-GY-N w/RSW-BLSS**  
**Initial Delivered Lumens:** 2,975



**RSWS-A\*\*-2ME-3L-30K7-UL-GY-N w/RSW-BLSS**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 3,050  
**Initial FC at grade**

**Type II Medium w/BLS Distribution**

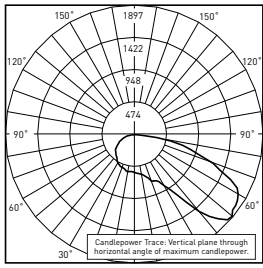
Lumen Package	CRI	2700K/3000K/4000K/5000K	
		Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
3L	All	3,050	B1 U0 G1
5L	All	4,630	B1 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

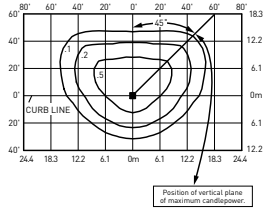
**Photometry**

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/street-and-roadway/rsw-series>

**3ME**



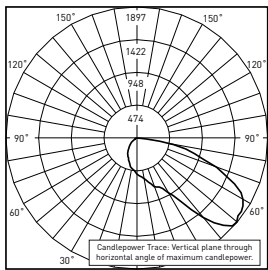
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**RSWS-A-\*\*-3ME-3L-30K7-UL-GY-N**  
**Initial Delivered Lumens:** 3,399



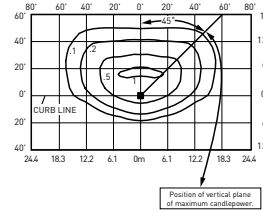
**RSWS-A-\*\*-3ME-3L-30K7-UL-GY-N**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 3,300  
**Initial FC at grade**

Type III Medium Distribution			
Lumen Package	CRI	2700K/3000K/4000K/5000K	
		Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
3L	All	3,300	B1 U0 G1
5L	All	5,000	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt



**UL Verification Services Test Report #:** 11675461.01  
**RSWS-A-\*\*-3ME-3L-30K7-UL-GY-N w/RSW-BLSS**  
**Initial Delivered Lumens:** 3,113



**RSWS-A-\*\*-3ME-3L-30K7-UL-GY-N w/RSW-BLSS**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 3,050  
**Initial FC at grade**

Type III Medium w/BLS Distribution			
Lumen Package	CRI	2700K/3000K/4000K/5000K	
		Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
3L	All	3,050	B1 U0 G1
5L	All	4,630	B1 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

**Luminaire EPA**

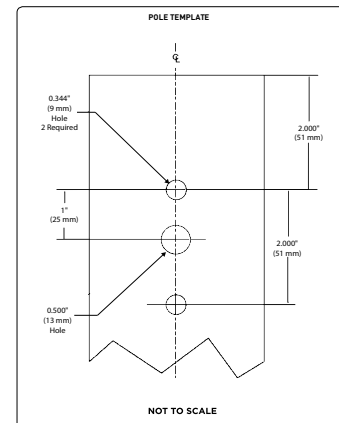
Horizontal Tenon Mount – Weight: 9.4 lbs. (4.3kg); RSW-BLSS, RSW-CLSS, or RSW-FLSS Accessories: add 0.4 lbs. (0.2kg)					
Luminaire	Single	2 @ 90°	2 @ 180°	3 @ 90°	4 @ 90°
<b>Tenon Configuration</b> If used with Cree Lighting tenons, please add tenon EPA with luminaire EPA					
Standard Luminaire	0.61	0.89	1.22	1.50	1.78
Luminaire w/RSW-BLSS, RSW-CLSS or RSW-FLSS Accessory	0.61	1.25	1.22	1.85	2.49

**Tenon EPA**

Part Number	EPA
PD Series Tenons	0.09
PT Series Tenons	0.10
WM-2L	0.13
XA-TMDA8	0.19

Tenons and Brackets* (must specify color)	
<b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" [102mm] square aluminum or steel poles PD-1H4 – Single PD-3H4(90) – 90° Triple PD-2H4(90) – 90° Twin PD-4H4(90) – 90° Quad PD-2H4(180) – 180° Twin	<b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375"-3" [60-76mm] O.D. round aluminum or steel poles or tenons PT-1H – Single PT-3H(90) – 90° Triple PT-2H(90) – 90° Twin PT-4H(90) – 90° Quad PT-2H(180) – 180° Twin
<b>Wall Mount Brackets</b> - Mounts to wall or roof WM-2L – Extended Horizontal	<b>Direct Arm Pole Adaptor Bracket</b> - Mounts to 3-6" [76-152mm] round or square aluminum or steel poles XA-TMDA8

**Fixture Mounting Drill Pattern for XA-TMDA8**



\* Refer to the [Bracket and Tenons spec sheet](#) for more details

**Field Adjustable Output (Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the street and area luminaire within the RSW Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include a wattage label that indicates the wattage of the luminaire at the selected lumen output (Rounded to nearest 10 watts per ANSI C136.15-2015.). Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

**Locked Lumen Output (X3/X2/X1) Option Description:**

The Locked Lumen Output option on this page permanently locks the lumen output on the RSW Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a wattage label that indicates the wattage of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

**Q & X Option Power & Lumen Data – 3L**

Q Option Setting	X Option Setting	CCT/CRI	System Watts <sup>†</sup>		Lumen Values <sup>†</sup>		Optics Qualified on DLC QPL	
			120-277V	Label Wattage	2LG, 2ME & 3ME	w/BLS	Standard	Premium
Q4 (Full Power)	N/A (Full Power)	27K8	32	30	3,300	3,050	2LG, 2ME, 3ME	
		30K7	28	30				2LG, 2ME, 3ME
		30K8	31	30			2LG, 2ME, 3ME	
		40K7	26	30				2LG, 2ME, 3ME
		40K8	29	30			2LG, 2ME, 3ME	
		50K7	26	30				2LG, 2ME, 3ME
		50K8	28	30				2LG, 2ME, 3ME
Q3	X3	27K8	26	30	2,756	2,547	2LG, 2ME, 3ME	
		30K7	23	20				2LG, 2ME, 3ME
		30K8	25	30			2LG, 2ME, 3ME	
		40K7	21	20				2LG, 2ME, 3ME
		40K8	23	20				2LG, 2ME, 3ME
		50K7	21	20				2LG, 2ME, 3ME
		50K8	23	20				2LG, 2ME, 3ME
Q2	X2	27K8	20	20	2,169	2,004	2LG, 2ME, 3ME	
		30K7	17	20				2LG, 2ME, 3ME
		30K8	19	20			2LG, 2ME, 3ME	
		40K7	16	20				2LG, 2ME, 3ME
		40K8	18	20				2LG, 2ME, 3ME
		50K7	16	20				2LG, 2ME, 3ME
		50K8	17	20				2LG, 2ME, 3ME
Q1*	X1*	27K8	15	20	1,633	1,509	2LG, 2ME, 3ME	
		30K7	13	10				2LG, 2ME, 3ME
		30K8	15	20			2LG, 2ME, 3ME	
		40K7	12	10				2LG, 2ME, 3ME
		40K8	14	10				2LG, 2ME, 3ME
		50K7	12	10				2LG, 2ME, 3ME
		50K8	13	10				2LG, 2ME, 3ME

<sup>†</sup> Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V +/-10%  
 \* Q1/X1 settings are qualified for 120-240V only

**Field Adjustable Output (Q4/Q3/Q2/Q1) Option Description:**

The Field Adjustable Output option enables the street and area luminaire within the RSW Series on this page to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected lumen output, will be fully adjustable between the outputs, and will include a wattage label that indicates the wattage of the luminaire at the selected lumen output (Rounded to nearest 10 watts per ANSI C136.15-2015.). Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

**Locked Lumen Output (X3/X2/X1) Option Description:**

The Locked Lumen Output option on this page permanently locks the lumen output on the RSW Series street and area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected, and will include a wattage label that indicates the wattage of the setting selected. When this option is selected, the luminaire output is not able to be adjusted in the field except if a dimming control (by others) is used in the 7-Pin receptacle.

**Q & X Option Power & Lumen Data – 5L**

Q Option Setting	X Option Setting	CCT/CRI	System Watts†		Lumen Values†		Optics Qualified on DLC QPL	
			120-277V	Label Wattage	2LG, 2ME & 3ME	w/BLS	Standard	Premium
Q4 (Full Power)	N/A (Full Power)	27K8	53	50	5,000	4,630		
		30K7	45	50			2LG, 2ME, 3ME	
		30K8	51	50				
		40K7	41	40				2LG, 2ME, 3ME
		40K8	47	50			2LG, 2ME, 3ME	
		50K7	41	40				2LG, 2ME, 3ME
		50K8	45	50			2LG, 2ME, 3ME	
Q3	X3	27K8	49	50	4,654	4,310		2LG, 2ME, 3ME
		30K7	41	40				
		30K8	46	50			2LG, 2ME, 3ME	
		40K7	38	40				2LG, 2ME, 3ME
		40K8	43	40			2LG, 2ME, 3ME	
		50K7	38	40				2LG, 2ME, 3ME
		50K8	41	40			2LG, 2ME, 3ME	
Q2	X2	27K8	42	40	4,105	3,801	2LG, 2ME, 3ME	
		30K7	36	40				2LG, 2ME, 3ME
		30K8	40	40			2LG, 2ME, 3ME	
		40K7	33	30				2LG, 2ME, 3ME
		40K8	38	40			2LG, 2ME, 3ME	
		50K7	33	30				2LG, 2ME, 3ME
		50K8	36	40			2LG, 2ME, 3ME	
Q1	X1	27K8	36	40	3,617	3,350	2LG, 2ME, 3ME	
		30K7	30	30				2LG, 2ME, 3ME
		30K8	34	30			2LG, 2ME, 3ME	
		40K7	28	30				2LG, 2ME, 3ME
		40K8	32	30			2LG, 2ME, 3ME	
		50K7	28	30				2LG, 2ME, 3ME
		50K8	30	30			2LG, 2ME, 3ME	

† Electrical and lumen data at 25°C (77°F). Actual wattage and lumen output may differ by +/-10% when operating between 120-277V +/-10%