

# STREET LIGHT

## PQ-STJ2

- The L400 Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. The L400 Series is the better alternative for traditional street and area lighting with quick payback and improved performance.
- Applications: Roadway, parking lots, walkways and general area spaces.



Canadian Design,  
Certified



**3G**  
VIBRATION  
CERTIFIED

### STREETLIGHT

Model	Tunable Power (TW)	Color Temperature (CCT)	Input Voltage	Dimensions
PQ-STJ2	45 70 100	2700K	120-347VAC	458mm(18.0") x 102mm(4.0")
	45 70 100 150			572mm(22.5") x 134mm(5.3")

### CERTIFICATIONS



# STREET LIGHT

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SPECIFICATIONS		
Model	STJ2-100	STJ2-150
Power	45W / 70W / 100W	45W / 70W / 100W / 150W
Input Voltage	AC120-347V	
Color Temperature CCT	2700K	
Frequency	50/60 Hz	
Dimmable	0-10V	
Power Factor	>0.9	
Total Harmonic Distortion	<20%	
Surge Protection	Integral 10kV surge suppression protection standard	
Operating Temperature	-40°C to +50°C	
Dimensions	458mm(18.0") x 102mm(4.0")	572mm(22.5") x 134mm(5.3")
Certificates	cULus, DLC, DLC Premium, RoHs, IDA approved, 3G Vibration	
Lifespan	100,000 hours	
Warranty	5 years, 10 years	

ELECTRICAL DATA									
Model	LEDS	LED Current	System Watts	Current					
				120	208	240	277	347	382
STJ2-100	32	0.2A	45W	0.38	0.22	0.19	0.17	0.13	0.12
		0.32A	70W	0.59	0.34	0.29	0.26	0.29	0.18
		0.45A	100W	0.84	0.48	0.42	0.36	0.29	0.27
STJ2-150	48	0.15A	45W	0.38	0.22	0.19	0.16	0.13	0.12
		0.23A	70W	0.59	0.34	0.30	0.26	0.21	0.19
		0.32A	100W	0.84	0.49	0.42	0.37	0.29	0.27
		0.48A	150W	1.25	0.73	0.63	0.55	0.44	0.40

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## FEATURES

- **ULOR = 0 (zero uplight)**
- **Requires Less Photocontrol Receptacle, ANSI 3-wire Photocontrol Receptacle, ANSI 5-wire Photocontrol Receptacle or ANSI 7-wire Photocontrol Receptacle option.**
- **Photocontrol (PE) requires 120-347 voltage or short cap option.**
- **Small Four Point Mounting-Mounts to 1.25" (32mm) IP, 1.66" (42mm) O.D. horizontal tenon.**
- **Large Four Point Mounting-Mounts to 2" (51mm) IP, 2.375" (60mm) O.D. horizontal tenon.**
- **Minimum 4KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).**
- **Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 2200K (70 min. CRI) or 4000K (65 min. CRI) configurations.**
- **Features an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion.**
- **Gray, black, brown, white colors are available.**
- **Power Distribution Terminal Block Board can be used the wire of 2-14 AWG(2.0-22mm<sup>2</sup>)**

## CONSTRUCTION & MATERIALS

- **Tool-less entry.**
- **Designed with 0-10V dimming capabilities.**
- **Die cast aluminum housing with two-bolt bracket mounts to 1-1/4" to 2" (1-5/8" to 2-3/8" O.D.) Diameter mast arm. Bracket available as an option.**
- **Leveling adjustment from  $\pm 5^\circ$**

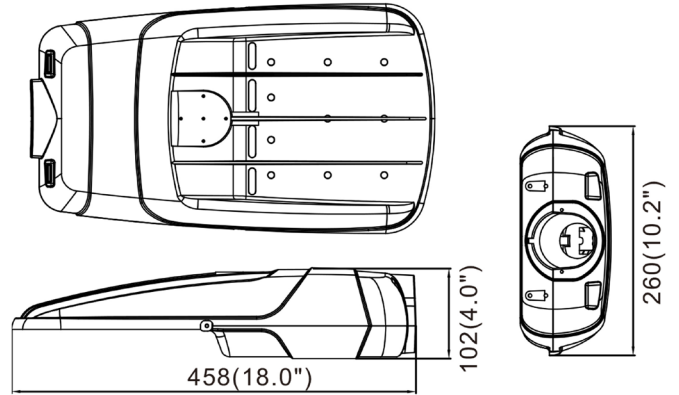


# STREET LIGHT

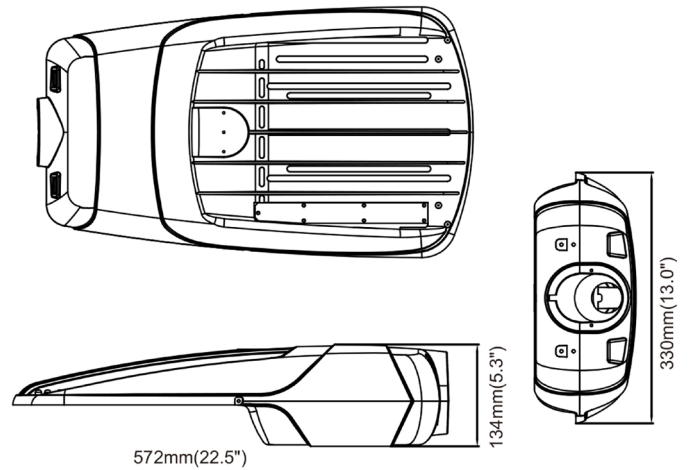
PQ-STJ2

## DIMENSIONS

### Model STJ2-100W



### Model STJ2-150W



# STREET LIGHT

PQ-STJ2

## 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. Actual performance may differ as a result of enduser environment and application. Actual wattage may differ by +/- 10% when operating between 120-347V +/- 10%.

Model	LEDS	LED Current	Rated Watts	Distribution Type	27K (2700K, 70CRT)					
					Test Watts	Lumens	B	U	G	LPW
STJ2-100	32	0.2A	45W	T2	45.4	5511	1	0	1	121.4
				T3	45.4	5502	1	0	1	121.2
				T4	45.4	5484	1	0	1	120.8
				T5	45.4	5584	2	0	2	123.0
		0.32A	70W	T2	70.8	8680	1	0	1	122.6
				T3	70.8	8772	1	0	1	123.9
				T4	70.8	8807	1	0	1	124.4
				T5	70.8	8729	3	0	2	123.3
		0.45A	100W	T2	100.6	12484	2	0	2	124.1
				T3	100.6	12554	2	0	2	124.8
				T4	100.6	12645	2	0	2	125.7
				T5	100.6	12575	3	0	3	125.0
STJ2-150	48	0.15A	45W	T2	45.4	5511	1	0	1	121.4
				T3	45.4	5454	1	0	1	121.2
				T4	45.4	5484	1	0	1	120.8
				T5	45.4	5584	2	0	2	123.0
		0.23A	70W	T2	71.2	8729	1	0	1	122.6
				T3	71.2	8821	1	0	1	123.9
				T4	71.2	8857	1	0	1	124.4
				T5	71.2	8778	3	0	2	123.3
		0.32A	100W	T2	98.5	12223	2	0	2	124.1
				T3	98.5	12292	2	0	2	124.8
				T4	98.5	12381	2	0	2	125.7
				T5	98.5	12312	3	0	3	125.0
		0.48A	150W	T2	149.8	18590	2	0	2	124.1
				T3	149.8	18695	2	0	2	124.8
				T4	149.8	18829	2	0	2	125.7
				T5	149.8	18725	3	0	3	125.0

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### LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
25°C	77°F	1.00
30°C	86°F	1.00
40°C	104°F	0.99

### LUMEN AMBIENT TEMPERATURE (LAT) MULTIPLIERS

Data references the extrapolated performance projections for the platforms noted in a25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11). To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below.

Operating Hours	0	25000	50000	75000	100000
Lumen Maintenance Factor	32 LEDES 0.45A / 48 LEDES 0.48A				
	1	0.92	0.85	0.80	0.75

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## REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed.
- Suitable for wet locations.
- Certified to ANSI C136.31-2001, 3G vibration standards.
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2.
- Meets FCC Part 15 standards for conducted and radiated emissions.
- Luminaire and finish endurance tested to withstand 3,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117.
- Dark Sky Friendly, IDA Approved. Please refer to [www.darksky.org](http://www.darksky.org) for most current information.
- RoHS compliant.
- DesignLights Consortium ®(DLC) qualified product.



## INSTRUCTIONS FOR ORDERING WITH PREFERRED DIMENSIONS

Catalog Number for Example: PQ-STJ2-027K-150TW-UNIV-BL-D-T5

Series	Color Temperature (CCT)	Tunable Power (TW)	Input Voltage (V)	Color	Dimmable	Options
STJ2	027K = 2700K	100TW	100-347AC = UNIV	BL: White NR: Black GR: Gray BR: Brown	D: 0-10V	T2 = Type 2 T3 = Type 3 T5 = Type 5
		150TW				

If you have specific technology or service needs, it's highly recommended that you get in touch with Power-Q's experts. They can provide tailored solutions and guidance based on your specific requirements.

EMAIL: [info@power-q.ca](mailto:info@power-q.ca)

PHONE: 514 667-6810