

STREET LIGHT

PQ-STJ2

- The STJ2 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 STJ2 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	Power (W)	Color Temperature (CCT)	Input Voltage	Dimensions
PQ-STJ2	35W	3000K 4000K 5000K 5700K	100-277VAC	458mm(18.0")x102mm(4.0")
	54W			
	100TW = 45/70/100W	2700K	120-347VAC	572mm(22.5")x134mm(5.3")
	150TW = 45/70/100/150W			

CERTIFICATIONS



STREET LIGHT

PQ-STJ2

SPECIFICATIONS

Model	STJ2			
Power	35W	54W	100TW = 45W / 70W / 100W	150TW = 45W / 70W / 100W / 150W
Input Voltage	AC100-277V		AC120-347V	
Color Temperature CCT	3000K / 4000K / 5000K / 5700K		2700K	
Frequency	50/60 Hz			
Dimmable	0-10V			
Power Factor	>0.9			
Total Harmonic Distortion	<20%			
Surge Protection	Integral 20kV surge suppression protection standard		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
35W	14	0.38A	35W	0.29	0.17	0.15	0.13	-	-
54W	16	0.50A	54W	0.45	0.26	0.23	0.19	-	-
100TW	32	0.20A	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
150TW	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 100-347 voltage or short cap option for 35W and 54W.
- Photocontrol (PE) requires 120-347 voltage or short cap option for 100TW and 150TW.
- 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 (2.0-22mm²)

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 $\pm 5^\circ$

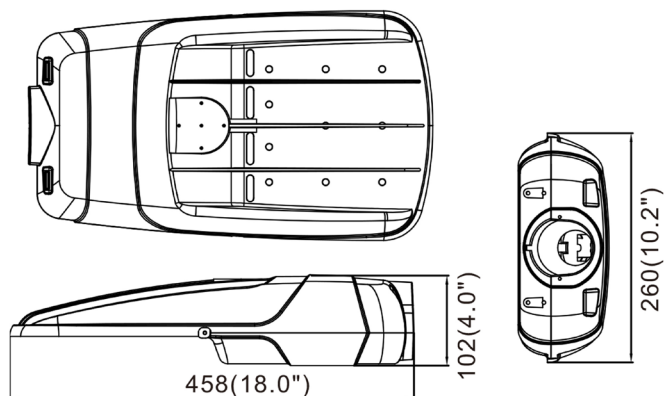


STREET LIGHT

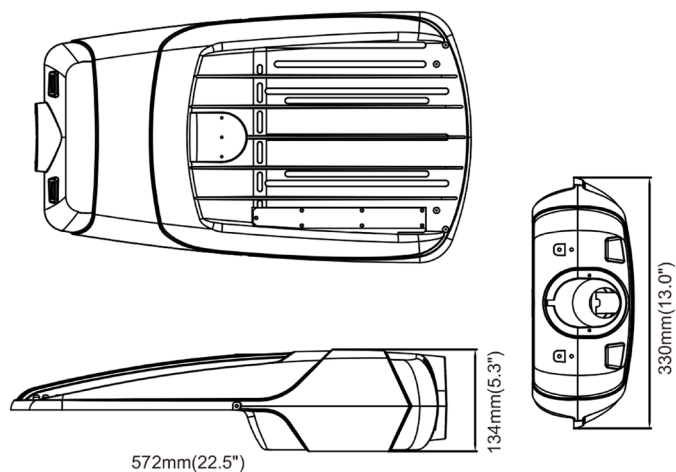
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DIMENSIONS

Model 35W-54W-100TW



Model 150TW



STREET LIGHT

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LUMEN OUTPUT FOR 100TW & 150TW

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
100TW	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
150TW	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 OUTPUT FOR 35W & 54W

Actual wattage may differ by +/- 10% when operating between 100-277V +/- 10%.

Model	LEDS	LED Current	Rated Watts	Distribution Type	30K (3000K, 70CRT)					40K (4000K, 70CRT)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
35W	14	0.38A	35W	T2	4865	1	0	1	139	5005	1	0	1	143
				T3	4725	1	0	1	135	4865	1	0	1	139
				T4	4760	1	0	1	136	4900	1	0	1	140
				T5	4760	2	0	2	136	4900	2	0	2	140
54W	16	0.50A	54W	T2	7452	1	0	1	138	7668	1	0	1	142
				T3	7236	1	0	1	134	7452	1	0	1	138
				T4	7290	1	0	1	135	7560	1	0	1	140
				T5	7290	3	0	2	135	7506	3	0	3	139

Model	LEDS	LED Current	Rated Watts	Distribution Type	50K (5000K, 70CRT)					57K (5700K, 70CRT)				
					Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
35W	14	0.38A	35W	T2	5075	1	0	1	145	5110	1	0	1	146
				T3	4900	1	0	1	140	4970	1	0	1	142
				T4	4970	1	0	1	142	5005	1	0	1	143
				T5	4935	2	0	2	141	5005	2	0	2	143
54W	16	0.50A	54W	T2	7776	2	0	2	144	7830	1	0	1	145
				T3	7506	1	0	1	139	7614	1	0	1	141
				T4	7614	1	0	1	141	7668	1	0	1	142
				T5	7560	3	0	3	140	7668	2	0	2	142

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

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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	Models	0	25000	50000	75000	100000
Lumen Maintenance Factor	100TW / 150TW	32 LEDS 0.45A / 48 LEDS 0.48A				
		1	0.92	0.85	0.80	0.75
	35W / 54W	14 LEDS 0.35A / 16 LEDS 0.38A				
		1	0.95	0.89	0.83	0.78

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 for most current information.
- RoHS compliant.
- DesignLights Consortium ®(DLC) qualified product.

INSTRUCTIONS FOR ORDERING WITH PREFERRED DIMENSIONS

Series	Color Temperature (CCT)	Power (W)	Input Voltage (V)	Color	Dimmable	Options	Options
PQ-STJ2	031K = 3000K 041K = 4000K 051K = 5000K 057K = 5700K	035W	240V = 100-277VAC	BL = White NR = Black GR = Grey BR = Brown	D = 0-10V	T2 = Type 2 T3 = Type 3 T4 = Type 4 T5 = Type 5	NPCR = Without photocell PCR3 = ANSI receptacle for 3-wire photocell PCR5 = ANSI receptacle for 5-wire photocell PCR7 = ANSI receptacle for 7-wire photocell
		054W					
	027K = 2700K	100TW	UNIV = 100-347VAC			T2 = Type 2 T3 = Type 3 T5 = Type 5	
		150TW					

Catalog Number for Example: PQ-STJ2-031K-035W-240V-GR-D-T2-PCR7