



NTCSSD ARTERIAL / COLLECTOR STREET LIGHT STANDARD

Park Avenue CY21S2 Approval – Specification

Project:

Order:

Qty: Luminaire: Type:

Housing module: Consists of a round aluminum tube with decorative cast aluminum top, with a welded tenon, and a die-cast aluminum junction element at its base. A spun aluminum conical shape is mechanically assembled to the junction element. The housing module mounts to a horizontal tenon 2 3/8" (6cm) by 5 1/2" (14cm) long minimum using set screws and a locking bolt.

Lens module: Cast A356 aluminum frame accepts the optical module and is mechanically fixed to the housing module by a hinge and quarter-turn latch that provides tool-free access to the driver. The luminaire is available without a lens or with a flat lens inserted in the lens module.

Optical module: The molded A384.0-F aluminum heat sink is designed to minimize the temperature of the LEDs, increasing their longevity and efficiency. The high efficiency Orion LED optical engine is mechanically assembled on the heat sink. The optical lenses are cured directly on the LED board and offer an IP66 ingress protection rating. The lifetime of the LEDs is 100,000 hours. It is based on the LM-80 test and extrapolated with TM-21. This data is calculated when 50% of the LEDs produce 70% of their initial luminous flux (L70). The minimum color rendering index (CRI) is 70. The optical lenses are made of acrylic and designed to illuminate only where needed while achieving excellent uniformity with maximum spacing. Produce 0% uplight. The combination of two distribution types (backward optics) is also available in the same optical module. Tempered clear (FCG) or frosted (FGF) flat glass lenses are attached to a cast aluminum frame. With the No Lens (NL) option, a white decorative acrylic protection plate is mechanically assembled under the optical module. The available light distribution types are T1, T1A, T1AHS, T2, T2HS, T2M, T2MHS, T3, T3HS, T3M, T3MHS, T4, T4HS, T5. The combination of two distribution types (backward optics) is also available in the same optical module as well as the integration of crosswalk optics (TCWR and TCWL) for pedestrian crossing.

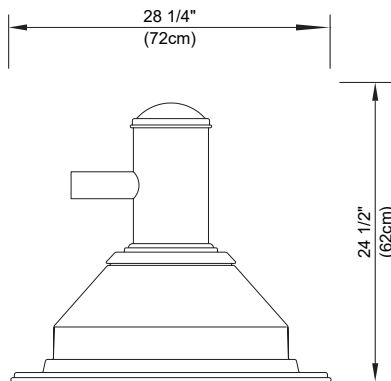
Driver module: Class 1 (P70 and P80) or Class 2 (P10 to P60). Primary tension is of 120 to 480VAC Volts, 50/60Hz, THD max 20% with a high-power factor of 90%. Operating temperature is -40°F (-40°C) to 131°F (55°C). The regulator offers an output of 0-10 Volts and is ROHS compliant. Assembled with pull-out connectors. Complete with 10kV/5kA or 20kV/10kA tripolar surge protection for live-MALT, live-neutral and neutral-MALT lines according to IEEE/ANSI C62.41 2002 C.

Wiring / Hardware: Type TEWT 14-7 AWG, 12" (30.5cm) minimum exceeding luminaire. All electrical connections between the modules are provided with quick-disconnect connectors for easy maintenance. All outside accessible hardware is made of 304 stainless steel.

Color: All Cyclone colors are available in textured (TX) or smooth (SM) finish, unless otherwise specified. A durable polyester powder coating is applied and meets the AAMA 2604 requirements (5 years exposure to all weather conditions). The finish meets the ASTM G7, B117, D1654 and D2247 requirements relative to salt spray and humidity resistance. **Cyclone recommends a textured finish for this product.**

cULus: According to standard C22.2 / UL1598

Warranty: 5-year limited warranty. Complete warranty terms located at: www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf



EPA: 1.08 ft² Weight: 38.4 lbs / 17.4 kg

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Project:
Order:
Qty:
Luminaire:
Type:

Ordering Code

Model	Lens	Distribution	Performance package ³	CCT	Volts	Surge protector
CY21S2						
CY21S2	FGC Flat Glass Clear FGF Flat Glass Frosted NL No Lens	T1 Type 1 T1A Type 1A T1AHS Type 1A with HS T2 Type 2 T2HS Type 2 with HS T2M Type 2M T2MHS Type 2M with HS T3 Type 3 T3HS Type 3 with HS T3M Type 3M T3MHS Type 3M with HS T4 Type 4 T4HS Type 4 with HS T5 Type 5 TCWR¹ Crosswalk right TCWL¹ Crosswalk left BACKWARD OPTICS ²	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm) P80 (17500lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Options		Options	
Dimming	Color	Texture	Pre-finish
– DIM 0-10 volts wire for external controls PND506⁴ Program 50% for 6 hours (11PM to 5AM) PND508⁴ Program 50% for 8 hours (9PM to 5AM) SD⁴ Field adjustable 10% increment step-dimming switch	BK Black RAL9005 DG Dark green RAL6012 MA Marine blue RAL5013 SI Metallic silver RAL9006 (smooth only) BZ Dark bronze RAL8019 BG Burgundy RAL3005 GM Moss green RAL6005 PG Pale grey RAL7040 WH White RAL9003 SG⁵ Steel Gray BKH⁶ Black Holophane BZH⁶ Dark bronze Holophane GNH⁶ Green Holophane GHH⁶ Graphite Holophane GRH⁶ Gray Holophane SLH⁶ Silver Holophane WHH⁶ White Holophane	TX Textured SM Smooth SX⁷ Textured, matt (Sandtex)	– MG Marine grade pre-finish

1 - Available only with a clear flat glass lens (FGC) or with the no lens (NL) option.

2 - Backward optic: The Orion light engine features 180° orientable optics that can be customized as needed. This makes it a simple matter to combine two distribution types in a single light engine, simultaneously lighting a road and a bike path or sidewalk, for instance. Contact factory for more information.

3 - Values shown represent the maximum lumen output, which may vary depending on the selected configuration or options.

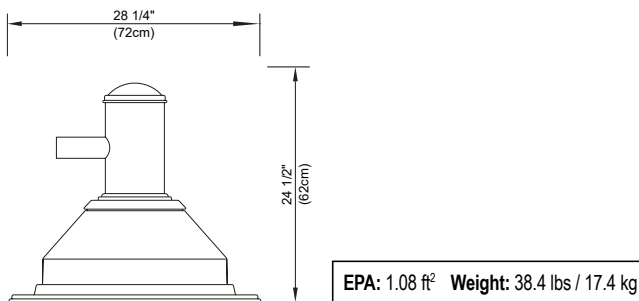
4 - Only one of the following options may be selected: SD, PND506, or PND508. These options cannot be combined.

5 - Available in SX finish only

6 - Holophane colors are only available in Smooth (SM) finish

7 - SX finish only available with SG color.

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. Please consult our web site for up-to-date product information and IES files.



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Photometric Data Tables

Park Avenue - CY21S2-NL (Side Mount - No Lens)

		3000K						4000K						LLD @ 25C											
Performance Package	Watts System	Optic	Lumen Output	Efficacy (LM/W)		Optic	Lumen Output	Efficacy (LM/W)		Optic	Lumen Output	Efficacy (LM/W)		Optic	Lumen Output	Efficacy (LM/W)		25K Hours	50K Hours	75K Hours	100K Hours				
				B	U			G	B			U	G			B	U					G	B	U	G
P10	22.8	T1	3368	148	B1-U0-G1		T1AHS	2956	130	B1-U0-G1		T1	3537	155	B1-U0-G1		T1AHS	3104	136	B1-U0-G1		0.98	0.98	0.97	0.97
		T1A	3324	146	B1-U0-G1		T1AHS	2956	130	B1-U0-G1		T1A	3490	153	B1-U0-G1		T1AHS	3104	136	B1-U0-G1					
		T2	3167	139	B1-U0-G1		T2HS	2695	118	B1-U0-G1		T2	3326	146	B1-U0-G1		T2HS	2830	124	B1-U0-G1					
		T2M	3254	143	B1-U0-G1		T2MHS	2553	112	B1-U0-G1		T2M	3417	150	B1-U0-G1		T2MHS	2880	118	B1-U0-G1					
		T3	3200	140	B1-U0-G1		T3HS	2661	117	B1-U0-G1		T3	3360	147	B1-U0-G1		T3HS	2794	123	B1-U0-G1					
		T3M	2894	127	B1-U0-G1		T3MHS	2269	100	B1-U0-G1		T3M	3046	134	B1-U0-G1		T3MHS	2389	105	B1-U0-G1					
		T4	3094	136	B1-U0-G1		T4HS	2525	111	B1-U0-G1		T4	3249	143	B1-U0-G1		T4HS	2652	116	B1-U0-G1					
		T5	3298	145	B2-U0-G1							T5	3462	152	B2-U0-G1										
		TCWL	3360	147	B1-U0-G0		TCWR	3360	#REF!	B1-U0-G0		TCWL	3537	155	B1-U0-G0		TCWR	3537	155	B1-U0-G0					
		P20	33.4	T1	4815	144	B2-U0-G2		T1AHS	4226	127	B2-U0-G1		T1	5056	151	B2-U0-G2		T1AHS	4437	133				
T1A	4752			142	B2-U0-G1		T1AHS	4226	127	B2-U0-G1		T1A	4990	149	B2-U0-G1		T1AHS	4437	133	B2-U0-G1					
T2	4528			136	B1-U0-G1		T2HS	3853	115	B1-U0-G1		T2	4755	142	B1-U0-G1		T2HS	4046	121	B1-U0-G1					
T2M	4653			139	B1-U0-G1		T2MHS	3649	109	B1-U0-G1		T2M	4885	146	B1-U0-G1		T2MHS	3832	115	B1-U0-G1					
T3	4574			137	B1-U0-G1		T3HS	3805	114	B1-U0-G1		T3	4803	144	B1-U0-G1		T3HS	3995	120	B1-U0-G1					
T3M	4137			124	B1-U0-G1		T3MHS	3244	97	B1-U0-G1		T3M	4354	130	B1-U0-G1		T3MHS	3415	102	B1-U0-G1					
T4	4423			132	B1-U0-G1		T4HS	3610	108	B1-U0-G1		T4	4644	139	B1-U0-G1		T4HS	3791	114	B1-U0-G1					
T5	4714			141	B3-U0-G1							T5	4950	148	B3-U0-G1										
TCWL	4781			143	B1-U0-G0		TCWR	4781	143	B1-U0-G0		TCWL	5033	151	B1-U0-G0		TCWR	5033	151	B1-U0-G0					
P30	43.8			T1	6210	142	B2-U0-G2		T1AHS	5450	124	B2-U0-G1		T1	6521	149	B2-U0-G2		T1AHS	5723	131	B2-U0-G1		0.98	0.98
		T1A	6128	140	B2-U0-G2		T1AHS	5450	124	B2-U0-G1		T1A	6435	147	B2-U0-G2		T1AHS	5723	131	B2-U0-G1					
		T2	5840	133	B1-U0-G1		T2HS	4969	113	B1-U0-G1		T2	6132	140	B1-U0-G1		T2HS	5218	119	B1-U0-G1					
		T2M	6000	137	B1-U0-G1		T2MHS	4706	107	B1-U0-G1		T2M	6300	144	B1-U0-G1		T2MHS	4941	113	B1-U0-G1					
		T3	5900	135	B1-U0-G1		T3HS	4907	112	B1-U0-G1		T3	6195	141	B1-U0-G1		T3HS	5152	118	B1-U0-G1					
		T3M	5335	122	B1-U0-G2		T3MHS	4184	96	B1-U0-G1		T3M	5616	128	B1-U0-G2		T3MHS	4404	101	B1-U0-G1					
		T4	5704	130	B1-U0-G2		T4HS	4656	106	B1-U0-G2		T4	5989	137	B1-U0-G2		T4HS	4889	112	B1-U0-G2					
		T5	6080	139	B3-U0-G1							T5	6384	146	B3-U0-G1										
		TCWL	6160	141	B1-U0-G1		TCWR	6160	141	B1-U0-G1		TCWL	6485	148	B1-U0-G1		TCWR	6485	148	B1-U0-G1					
		P40	55.1	T1	7553	137	B3-U0-G2		T1AHS	6628	120	B2-U0-G1		T1	7930	144	B3-U0-G2		T1AHS	6960	126	B3-U0-G1			
T1A	7454			135	B3-U0-G2		T1AHS	6628	120	B2-U0-G1		T1A	7826	142	B3-U0-G2		T1AHS	6960	126	B3-U0-G1					
T2	7102			129	B1-U0-G1		T2HS	6044	110	B1-U0-G1		T2	7457	135	B1-U0-G1		T2HS	6346	115	B1-U0-G1					
T2M	7298			132	B2-U0-G1		T2MHS	5724	104	B1-U0-G1		T2M	7662	139	B2-U0-G2		T2MHS	6010	109	B1-U0-G1					
T3	7175			130	B1-U0-G2		T3HS	5968	108	B1-U0-G1		T3	7534	137	B1-U0-G2		T3HS	6266	114	B1-U0-G1					
T3M	6488			118	B2-U0-G2		T3MHS	5089	92	B1-U0-G1		T3M	6830	124	B2-U0-G2		T3MHS	5357	97	B1-U0-G1					
T4	6938			126	B1-U0-G2		T4HS	5663	103	B1-U0-G2		T4	7284	132	B1-U0-G2		T4HS	5946	108	B1-U0-G2					
T5	7394			134	B3-U0-G1							T5	7764	141	B3-U0-G1										
TCWL	7437			135	B1-U0-G1		TCWR	7437	135	B1-U0-G1		TCWL	7829	142	B1-U0-G1		TCWR	7829	142	B1-U0-G1					
P50	63.5			T1	8614	136	B3-U0-G2		T1AHS	7560	119	B3-U0-G1		T1	9045	142	B3-U0-G3		T1AHS	7938	125	B3-U0-G1		0.98	0.98
		T1A	8501	134	B3-U0-G2		T1AHS	7560	119	B3-U0-G1		T1A	8926	141	B3-U0-G2		T1AHS	7938	125	B3-U0-G1					
		T2	8101	128	B1-U0-G1		T2HS	6893	109	B1-U0-G1		T2	8506	134	B1-U0-G1		T2HS	7238	114	B1-U0-G1					
		T2M	8323	131	B2-U0-G2		T2MHS	6528	103	B1-U0-G1		T2M	8739	138	B2-U0-G2		T2MHS	6855	108	B1-U0-G1					
		T3	8184	129	B1-U0-G2		T3HS	6807	107	B1-U0-G1		T3	8593	135	B1-U0-G2		T3HS	7147	113	B1-U0-G2					
		T3M	7400	117	B2-U0-G2		T3MHS	5804	91	B1-U0-G2		T3M	7790	123	B2-U0-G2		T3MHS	6110	96	B2-U0-G2					
		T4	7913	125	B1-U0-G2		T4HS	6459	102	B1-U0-G2		T4	8308	131	B1-U0-G2		T4HS	6782	107	B1-U0-G2					
		T5	8434	133	B3-U0-G1							T5	8855	139	B3-U0-G2										
		TCWL	8747	138	B2-U0-G1		TCWR	8747	138	B2-U0-G1		TCWL	9207	145	B2-U0-G1		TCWR	9207	145	B2-U0-G1					
		P60	85.3	T1	11502	135	B3-U0-G3		T1AHS	10094	118	B3-U0-G2		T1	12077	142	B3-U0-G3		T1AHS	10599	124	B3-U0-G2			
T1A	11351			133	B3-U0-G2		T1AHS	10094	118	B3-U0-G2		T1A	11918	140	B3-U0-G2		T1AHS	10599	124	B3-U0-G2					
T2	10816			127	B2-U0-G2		T2HS	9204	108	B1-U0-G1		T2	11357	133	B2-U0-G2		T2HS	9664	113	B1-U0-G2					
T2M	11113			130	B2-U0-G2		T2MHS	8716	102	B2-U0-G2		T2M	11669	137	B2-U0-G2		T2MHS	9152	107	B2-U0-G2					
T3	10927			128	B2-U0-G2		T3HS	9088	107	B1-U0-G2		T3	11473	135	B2-U0-G2		T3HS	9543	112	B2-U0-G2					
T3M	9881			116	B2-U0-G2		T3MHS	7750	91	B2-U0-G2		T3M	10401	122	B2-U0-G2		T3MHS	8157	96	B2-U0-G2					
T4	10565			124	B2-U0-G2		T4HS	8623	101	B1-U0-G2		T4	11093	130	B2-U0-G2		T4HS	9055	106	B1-U0-G2					
T5	11260			132	B3-U0-G2							T5	11823	139	B4-U0-G2										
TCWL	10735			126	B2-U0-G1		TCWR	10735	126	B2-U0-G1		TCWL	11300	132	B2-U0-G1		TCWR	11300	132	B2-U0-G1					
P70	110.9			T1	14972	135	B3-U0-G3		T1AHS	13140	118	B3-U0-G2		T1	15721	142	B3-U0-G3		T1AHS	13797	124	B3-U0-G2		0.98	0.98
		T1A	14775	133	B3-U0-G3		T1AHS	13140	118	B3-U0-G2		T1A	15514	140	B3-U0-G3		T1AHS	13797	124	B3-U0-G2					
		T2	14079	127	B2-U0-G2		T2HS	11981	108	B2-U0-G2		T2	14783	133	B2-U0-G2		T2HS	12580	113	B2-U0-G2					
		T2M	14466	130	B2-U0-G2		T2MHS	11346	102	B2-U0-G2		T2M	15190	137	B2-U0-G2		T2MHS	11913	107	B2-U0-G2					
		T3	14223	128	B2-U0-G2		T3HS	11830	107	B2-U0-G2		T3	14935	135	B2-U0-G2		T3HS	12422	112	B2-U0-G2					
		T3M	12862	116	B2-U0-G3		T3MHS	10088	91	B2-U0-G2		T3M	13539	122	B3-U0-G3		T3MHS	10619	96	B2-U0-G2					
		T4	13753	124	B2-U0-G3		T4HS	11225	101	B1-U0-G2		T4	14440	130	B2-U0-G3		T4HS	11787	106	B2-U0-G2					
		T5	14658	132	B4-U0-G2							T5	15391	139	B4-U0-G2										
		TCWL	13561	122	B2-U0-G1		TCWR	13561	122	B2-U0-G1		TCWL	14275	129	B2-U0-G1		TCWR	14275	129	B2-U0-G1					
		P80	129.7	T1	16941	131	B3-U0-G3		T1AHS	14868	115	B3-U0-G2		T1	17788	137	B3-U0-G3		T1AHS	15611	120	B3-U0-G2			
T1A	16719			129	B3-U0-G3		T1AHS	14868	115	B3-U0-G2		T1A	17555	135	B										



Photometric Data Tables

Park Avenue - CY21S2-FGC (Side Mount - Flat Glass Clear)

		3000K						4000K						LLD @ 25C												
Performance Package	Watts System	Optic	Lumen Output	Efficacy (LM/W)	B	U	G	Optic	Lumen Output	Efficacy (LM/W)	B	U	G	Optic	Lumen Output	Efficacy (LM/W)	B	U	G	25K Hours	50K Hours	75K Hours	100K Hours			
																								TCWL	TCWR	#REF!
P10	22.8	T1	3049	134	B1-U0-G1																					
		T1A	3044	134	B1-U0-G1	T1AHS	2782	122	B1-U0-G1	T1	3201	140	B1-U0-G1													
		T2	2889	127	B1-U0-G1	T2HS	2454	108	B1-U0-G0	T1A	3196	140	B1-U0-G1	T1AHS	2921	128	B1-U0-G1									
		T2M	2811	123	B1-U0-G1	T2MHS	2365	104	B1-U0-G0	T2	3033	133	B1-U0-G1	T2HS	2577	113	B1-U0-G0									
		T3	2771	122	B1-U0-G1	T3HS	2447	107	B1-U0-G1	T2M	2952	129	B1-U0-G1	T2MHS	2483	109	B1-U0-G0									
		T3M	2595	114	B1-U0-G1	T3MHS	2059	90	B1-U0-G1	T3	2909	128	B1-U0-G1	T3HS	2569	113	B1-U0-G1									
		T4	2643	116	B1-U0-G1	T4HS	2214	97	B1-U0-G1	T3M	2732	120	B1-U0-G1	T3MHS	2167	95	B1-U0-G1									
		T5	2783	122	B1-U0-G1					T4	2775	122	B1-U0-G1	T4HS	2325	102	B1-U0-G1									
		TCWL	3186	140	B1-U0-G0	TCWR	3186	#REF!	B1-U0-G0	T5	2923	128	B2-U0-G1													
										TCWL	3354	147	B1-U0-G0	TCWR	3354	147	B1-U0-G0									
P20	33.4	T1	4359	131	B2-U0-G1																					
		T1A	4352	130	B2-U0-G1	T1AHS	3977	119	B2-U0-G1	T1	4577	137	B2-U0-G1													
		T2	4130	124	B1-U0-G1	T2HS	3509	105	B1-U0-G1	T1A	4570	137	B2-U0-G1	T1AHS	4176	125	B2-U0-G1									
		T2M	4019	120	B1-U0-G1	T2MHS	3380	101	B1-U0-G1	T2	4336	130	B1-U0-G1	T2HS	3684	110	B1-U0-G1									
		T3	3961	119	B1-U0-G1	T3HS	3498	105	B1-U0-G1	T2M	4220	126	B1-U0-G1	T2MHS	3549	106	B1-U0-G1									
		T3M	3710	111	B1-U0-G1	T3MHS	2943	88	B1-U0-G1	T3	4159	125	B1-U0-G1	T3HS	3673	110	B1-U0-G1									
		T4	3779	113	B1-U0-G1	T4HS	3166	95	B1-U0-G1	T3M	3905	117	B1-U0-G1	T3MHS	3098	93	B1-U0-G1									
		T5	3979	119	B2-U0-G1					T4	3968	119	B1-U0-G1	T4HS	3324	100	B1-U0-G1									
		TCWL	4534	136	B1-U0-G0	TCWR	4534	136	B1-U0-G0	T5	4178	125	B2-U0-G1													
										TCWL	4773	143	B1-U0-G0	TCWR	4773	143	B1-U0-G0									
P30	43.8	T1	5621	128	B2-U0-G2																					
		T1A	5613	128	B2-U0-G1	T1AHS	5129	117	B2-U0-G1	T1	5902	135	B2-U0-G2													
		T2	5326	122	B1-U0-G1	T2HS	4525	103	B1-U0-G1	T1A	5893	135	B2-U0-G1	T1AHS	5386	123	B2-U0-G1									
		T2M	5183	118	B1-U0-G1	T2MHS	4360	100	B1-U0-G1	T2	5592	128	B1-U0-G1	T2HS	4751	108	B1-U0-G1									
		T3	5109	117	B1-U0-G1	T3HS	4512	103	B1-U0-G1	T2M	5442	124	B1-U0-G1	T2MHS	4578	105	B1-U0-G1									
		T3M	4785	109	B1-U0-G1	T3MHS	3796	87	B1-U0-G1	T3	5364	122	B1-U0-G1	T3HS	4737	108	B1-U0-G1									
		T4	4874	111	B1-U0-G1	T4HS	4082	93	B1-U0-G1	T3M	5037	115	B1-U0-G1	T3MHS	3995	91	B1-U0-G1									
		T5	5132	117	B2-U0-G1					T4	5117	117	B1-U0-G1	T4HS	4287	98	B1-U0-G1									
		TCWL	5843	133	B1-U0-G1	TCWR	5843	133	B1-U0-G1	T5	5388	123	B2-U0-G1													
										TCWL	6150	140	B1-U0-G1	TCWR	6150	140	B1-U0-G1									
P40	55.1	T1	6837	124	B3-U0-G2																					
		T1A	6826	124	B2-U0-G1	T1AHS	6238	113	B2-U0-G1	T1	7179	130	B3-U0-G2													
		T2	6477	118	B1-U0-G1	T2HS	5503	100	B1-U0-G1	T1A	7167	130	B3-U0-G2	T1AHS	6550	119	B2-U0-G1									
		T2M	6303	114	B2-U0-G1	T2MHS	5302	96	B1-U0-G1	T2	6801	123	B1-U0-G1	T2HS	5779	105	B1-U0-G1									
		T3	6213	113	B1-U0-G1	T3HS	5487	100	B1-U0-G1	T2M	6619	120	B2-U0-G1	T2MHS	5567	101	B1-U0-G1									
		T3M	5819	106	B2-U0-G1	T3MHS	4616	84	B1-U0-G1	T3	6524	118	B1-U0-G1	T3HS	5761	105	B1-U0-G1									
		T4	5927	108	B1-U0-G1	T4HS	4965	90	B1-U0-G2	T3M	6126	111	B2-U0-G1	T3MHS	4859	88	B1-U0-G1									
		T5	6241	113	B3-U0-G1					T4	6224	113	B1-U0-G2	T4HS	5213	95	B1-U0-G2									
		TCWL	7053	128	B1-U0-G1	TCWR	7053	128	B1-U0-G1	T5	6553	119	B3-U0-G1													
										TCWL	7425	135	B1-U0-G1	TCWR	7425	135	B1-U0-G1									
P50	63.5	T1	7798	123	B3-U0-G2																					
		T1A	7786	123	B3-U0-G2	T1AHS	7115	112	B3-U0-G1	T1	8188	129	B3-U0-G2													
		T2	7388	116	B1-U0-G1	T2HS	6277	99	B1-U0-G1	T1A	8175	129	B3-U0-G2	T1AHS	7471	118	B3-U0-G1									
		T2M	7190	113	B2-U0-G1	T2MHS	6048	95	B1-U0-G1	T2	7757	122	B1-U0-G1	T2HS	6591	104	B1-U0-G1									
		T3	7087	112	B1-U0-G1	T3HS	6258	99	B1-U0-G1	T2M	7549	119	B2-U0-G1	T2MHS	6350	100	B1-U0-G1									
		T3M	6637	105	B2-U0-G1	T3MHS	5265	83	B1-U0-G1	T3	7441	117	B1-U0-G1	T3HS	6571	103	B1-U0-G1									
		T4	6760	106	B1-U0-G2	T4HS	5663	89	B1-U0-G2	T3M	6987	110	B2-U0-G1	T3MHS	5542	87	B1-U0-G1									
		T5	7119	112	B3-U0-G1					T4	7098	112	B1-U0-G2	T4HS	5946	94	B1-U0-G2									
		TCWL	8296	131	B2-U0-G1	TCWR	8296	131	B2-U0-G1	T5	7474	118	B3-U0-G1													
										TCWL	8732	138	B2-U0-G1	TCWR	8732	138	B2-U0-G1									
P60	85.3	T1	10411	122	B3-U0-G2																					
		T1A	10395	122	B3-U0-G2	T1AHS	9500	111	B3-U0-G2	T1	10932	128	B3-U0-G3													
		T2	9864	116	B2-U0-G1	T2HS	8381	98	B1-U0-G1	T1A	10915	128	B3-U0-G2	T1AHS	9975	117	B3-U0-G2									
		T2M	9599	113	B2-U0-G2	T2MHS	8075	95	B2-U0-G1	T2	10357	121	B2-U0-G1	T2HS	8800	103	B1-U0-G1									
		T3	9462	111	B2-U0-G2	T3HS	8356	98	B2-U0-G2	T2M	10079	118	B2-U0-G2	T2MHS	8478	99	B2-U0-G1									
		T3M	8862	104	B2-U0-G2	T3MHS	7030	82	B2-U0-G2	T3	9935	116	B2-U0-G2	T3HS	8774	103	B2-U0-G2									
		T4	9026	106	B2-U0-G2	T4HS	7561	89	B1-U0-G2	T3M	9329	109	B2-U0-G2	T3MHS	7400	87	B2-U0-G2									
		T5	9504	111	B3-U0-G1					T4	9478	111	B2-U0-G2	T4HS	7939	93	B1-U0-G2									
		TCWL	10181	119	B2-U0-G1	TCWR	10181	119	B2-U0-G1	T5	9980	117	B3-U0-G1													
										TCWL	10717	126	B2-U0-G1	TCWR	10717	126	B2-U0-G1									
P70	110.9	T1	13553	122	B3-U0-G3																					
		T1A	13532	122	B3-U0-G2	T1AHS	12367	112	B3-U0-G2	T1	14230	128	B3-U0-G3													
		T2	12840	116	B2-U0-G2	T2HS	10910	98	B2-U0-G2	T1A	14208	128	B3-U0-G2	T1AHS	12985	117	B3-U0-G2									
		T2M	12496	113	B2-U0-G2	T2MHS	10511	95	B2-U0-G2	T2	13482	122	B2-U0-G2	T2HS	11455	103	B2-U0-G2									
		T3	12317	111	B2-U0-G2	T3HS	10877	98	B2-U0-G2	T2M	13120	118	B2-U0-G2	T2MHS	11036	100	B2-U0-G2									
		T3M	1153																							



Photometric Data Tables

Park Avenue - CY21S2-FGF (Side Mount - Flat Glass Frosted)

		3000K						4000K						LLD @ 25C													
Performance Package	Watts System	Lumen Output		Efficacy (LM/W)		B U G		Lumen Output		Efficacy (LM/W)		B U G		25K Hours	50K Hours	75K Hours	100K Hours										
		Optic				Optic			Optic			Optic															
P10	22.8	T1	2860	125	B1-U0-G1	T1AHS	2534	111	B1-U0-G1	T1	3003	132	B1-U0-G1	T1AHS	2661	117	B1-U0-G1	0.98	0.98	0.97	0.97						
		T1A	2822	124	B1-U0-G1	T2HS	2223	98	B1-U0-G1	T1A	2963	130	B1-U0-G1	T2HS	2334	102	B1-U0-G1										
		T2	2616	115	B1-U0-G1	T2MHS	2138	94	B1-U0-G1	T2	2747	120	B1-U0-G1	T2MHS	2245	98	B1-U0-G1										
		T2M	2705	119	B1-U0-G1	T3HS	2222	97	B1-U0-G1	T2M	2841	125	B1-U0-G1	T3HS	2334	102	B1-U0-G1										
		T3	2564	112	B1-U0-G1	T3MHS	1846	81	B1-U0-G1	T3	2692	118	B1-U0-G1	T3MHS	1943	85	B1-U0-G1										
		T3M	2334	102	B1-U0-G1	T4HS	2012	88	B1-U0-G1	T3M	2457	108	B1-U0-G1	T4HS	2112	93	B1-U0-G1										
		T4	2508	110	B1-U0-G1					T4	2633	115	B1-U0-G1														
		T5	2580	113	B1-U0-G1					T5	2709	119	B1-U0-G1														
		P20	33.4	T1	4089	122	B2-U0-G1	T1AHS	3622	108	B2-U0-G1	T1	4293	129	B2-U0-G1	T1AHS	3804					114	B2-U0-G1	0.98	0.98	0.97	0.97
				T1A	4035	121	B2-U0-G1	T2HS	3178	95	B1-U0-G1	T1A	4237	127	B2-U0-G1	T2HS	3337					100	B1-U0-G1				
T2	3741			112	B1-U0-G1	T2MHS	3056	91	B1-U0-G1	T2	3928	118	B1-U0-G1	T2MHS	3209	96	B1-U0-G1										
T2M	3867			116	B1-U0-G1	T3HS	3177	95	B1-U0-G1	T2M	4061	122	B1-U0-G1	T3HS	3336	100	B1-U0-G1										
T3	3665			110	B1-U0-G1	T3MHS	2638	79	B1-U0-G1	T3	3849	115	B1-U0-G1	T3MHS	2777	83	B1-U0-G1										
T3M	3337			100	B1-U0-G1	T4HS	2876	86	B1-U0-G1	T3M	3513	105	B1-U0-G1	T4HS	3020	90	B1-U0-G1										
T4	3585			107	B1-U0-G1					T4	3764	113	B1-U0-G1														
T5	3688			110	B1-U0-G1					T5	3873	116	B2-U0-G1														
P30	43.8			T1	5273	120	B2-U0-G1	T1AHS	4672	107	B2-U0-G1	T1	5537	126	B2-U0-G1	T1AHS	4905	112	B2-U0-G1	0.98	0.98	0.97	0.97				
				T1A	5204	119	B2-U0-G1	T2HS	4098	94	B1-U0-G1	T1A	5464	125	B2-U0-G1	T2HS	4303	98	B1-U0-G1								
		T2	4824	110	B1-U0-G1	T2MHS	3942	90	B1-U0-G1	T2	5065	116	B1-U0-G1	T2MHS	4139	94	B1-U0-G1										
		T2M	4988	114	B2-U0-G1	T3HS	4098	94	B1-U0-G1	T2M	5237	120	B2-U0-G1	T3HS	4302	98	B1-U0-G1										
		T3	4727	108	B1-U0-G1	T3MHS	3403	78	B1-U0-G1	T3	4963	113	B1-U0-G1	T3MHS	3582	82	B1-U0-G1										
		T3M	4304	98	B1-U0-G2	T4HS	3709	85	B1-U0-G1	T3M	4531	103	B2-U0-G2	T4HS	3895	89	B1-U0-G1										
		T4	4623	106	B1-U0-G1					T4	4854	111	B1-U0-G1														
		T5	4756	109	B2-U0-G1					T5	4994	114	B2-U0-G1														
		P40	55.1	T1	6413	116	B2-U0-G2	T1AHS	5682	103	B2-U0-G1	T1	6734	122	B2-U0-G2	T1AHS	5966	108	B2-U0-G1					0.98	0.98	0.97	0.97
				T1A	6329	115	B2-U0-G1	T2HS	4984	90	B1-U0-G1	T1A	6645	121	B2-U0-G1	T2HS	5233	95	B1-U0-G1								
T2	5867			106	B2-U0-G1	T2MHS	4794	87	B1-U0-G1	T2	6160	112	B2-U0-G1	T2MHS	5034	91	B1-U0-G1										
T2M	6066			110	B2-U0-G1	T3HS	4983	90	B1-U0-G1	T2M	6369	116	B2-U0-G1	T3HS	5233	95	B1-U0-G1										
T3	5749			104	B2-U0-G1	T3MHS	4138	75	B1-U0-G1	T3	6037	110	B2-U0-G1	T3MHS	4356	79	B1-U0-G2										
T3M	5235			95	B2-U0-G2	T4HS	4511	82	B1-U0-G1	T3M	5510	100	B2-U0-G2	T4HS	4737	86	B1-U0-G1										
T4	5623			102	B2-U0-G1					T4	5904	107	B2-U0-G1														
T5	5785			105	B2-U0-G1					T5	6074	110	B2-U0-G1														
P50	63.5			T1	7315	115	B3-U0-G2	T1AHS	6480	102	B2-U0-G1	T1	7681	121	B3-U0-G2	T1AHS	6804	107	B2-U0-G1	0.98	0.98	0.97	0.97				
				T1A	7218	114	B2-U0-G2	T2HS	5685	90	B1-U0-G1	T1A	7579	119	B2-U0-G2	T2HS	5969	94	B2-U0-G1								
		T2	6692	105	B2-U0-G1	T2MHS	5468	86	B2-U0-G1	T2	7026	111	B2-U0-G1	T2MHS	5741	90	B2-U0-G1										
		T2M	6919	109	B2-U0-G2	T3HS	5684	90	B2-U0-G1	T2M	7265	114	B2-U0-G2	T3HS	5968	94	B2-U0-G1										
		T3	6557	103	B2-U0-G1	T3MHS	4720	74	B1-U0-G2	T3	6885	108	B2-U0-G1	T3MHS	4968	78	B1-U0-G2										
		T3M	5970	94	B2-U0-G2	T4HS	5145	81	B1-U0-G1	T3M	6285	99	B2-U0-G2	T4HS	5403	85	B1-U0-G1										
		T4	6413	101	B2-U0-G1					T4	6734	106	B2-U0-G2														
		T5	6598	104	B2-U0-G1					T5	6928	109	B2-U0-G1														
		P60	85.3	T1	9767	115	B3-U0-G2	T1AHS	8652	101	B3-U0-G2	T1	10255	120	B3-U0-G2	T1AHS	9085	107	B3-U0-G2					0.98	0.98	0.97	0.97
				T1A	9637	113	B3-U0-G2	T2HS	7590	89	B2-U0-G1	T1A	10119	119	B3-U0-G2	T2HS	7970	93	B2-U0-G1								
T2	8935			105	B2-U0-G2	T2MHS	7301	86	B2-U0-G2	T2	9381	110	B2-U0-G2	T2MHS	7666	90	B2-U0-G2										
T2M	9238			108	B2-U0-G2	T3HS	7589	89	B2-U0-G2	T2M	9700	114	B2-U0-G2	T3HS	7969	93	B2-U0-G2										
T3	8755			103	B2-U0-G2	T3MHS	6302	74	B2-U0-G2	T3	9193	108	B2-U0-G2	T3MHS	6634	78	B2-U0-G2										
T3M	7972			93	B2-U0-G2	T4HS	6870	81	B2-U0-G1	T3M	8391	98	B2-U0-G2	T4HS	7214	85	B2-U0-G2										
T4	8563			100	B2-U0-G2					T4	8991	105	B2-U0-G2														
T5	8809			103	B3-U0-G2					T5	9250	108	B3-U0-G2														
P70	110.9			T1	12714	115	B3-U0-G3	T1AHS	11263	102	B3-U0-G2	T1	13349	120	B3-U0-G3	T1AHS	11826	107	B3-U0-G2	0.98	0.98	0.97	0.97				
				T1A	12545	113	B3-U0-G2	T2HS	9880	89	B2-U0-G2	T1A	13173	119	B3-U0-G2	T2HS	10374	94	B2-U0-G2								
		T2	11631	105	B3-U0-G2	T2MHS	9503	86	B2-U0-G2	T2	12212	110	B3-U0-G2	T2MHS	9979	90	B2-U0-G2										
		T2M	12025	108	B3-U0-G2	T3HS	9879	89	B2-U0-G2	T2M	12626	114	B3-U0-G2	T3HS	10373	94	B2-U0-G2										
		T3	11397	103	B3-U0-G2	T3MHS	8203	74	B2-U0-G2	T3	11967	108	B3-U0-G2	T3MHS	8635	78	B2-U0-G2										
		T3M	10377	94	B3-U0-G3	T4HS	8943	81	B2-U0-G2	T3M	10923	98	B3-U0-G3	T4HS	9390	85	B2-U0-G2										
		T4	11146	101	B3-U0-G2					T4	11704	106	B3-U0-G2														
		T5	11468	103	B3-U0-G2					T5	12041	109	B3-U0-G2														
		P80	129.7	T1	14386	111	B3-U0-G3	T1AHS	12744	98	B3-U0-G2	T1	15105	116	B3-U0-G3	T1AHS	13382	103	B3-U0-G2					0.98	0.98	0.97	0.97
				T1A	14195	109	B3-U0-G3	T2HS	11180	86	B2-U0-G2	T1A	14905	115	B3-U0-G3	T2HS	11739	91	B2-U0-G2								
T2	13160			101	B3-U0-G2	T2MHS	10753	83	B3-U0-G2	T2	13818	107	B3-U0-G2	T2MHS	11291	87	B3-U0-G2										
T2M	13607			105	B3-U0-G3	T3HS	11178	86	B3-U0-G2	T2M	14287	110	B3-U0-G3	T3HS	11737	90	B3-U0-G2										
T3	12896			99	B3-U0-G2	T3MHS	9282	72	B3-U0-G2	T3	13540	104	B3-U0-G2	T3MHS	9771	75	B2-U0-G3										
T3M	11742			91	B3-U0-G3	T4HS	10119	78	B2-U0-G2	T3M	12360	95	B3-U0-G3	T4HS	10625	82	B2-U0-G2										
T4	12612			97	B3-U0-G2					T4	13243	102	B3-U0-G3														
T5	12976			100	B3-U0-G2					T5	13624	105	B3-U0-G2														

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.

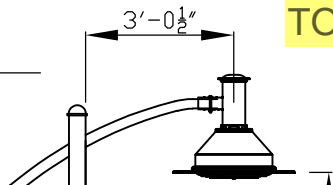
Lumen ratio for different CCT				
PC Amber	2200K	2700K	3000K	4000K
0.6	0.75	0.95	0.95	1.00

TOOELE COMPASS POINT 3100 N MSLU

LED FIXTURE NO.: K830-P4FL-III-120(SSL)
-120:277-40K

OPTICAL OPTIONS: P4 FLAT (NO LENS)
IES LTG. CLASS.: TYPE III
WATTAGE: 120W
SOURCE: SOLID STATE LIGHTING
LINE VOLTAGE: 120:277V
CCT: 4000K
PAINT: TBD
OPTIONS: S/F 2 3/8" PIPE ARM

QTY: 34

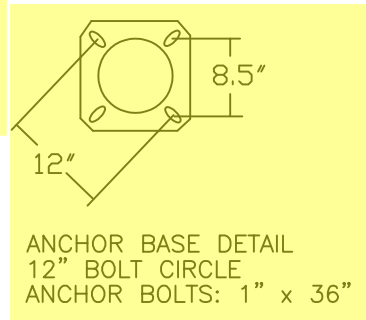


MOUNTAIN STATES LIGHTING
POLE:
30RSS-5.625(.258)-46 UTAH-
36HX36.5 PROJ/2.37-TC-COLOR

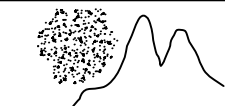
33'-10 1/2"

31'-10"

LARGE "UTAH" BASE
46" H x 18" W
HIGH DENSITY ELASTOMER
1/2" MIN. THICKNESS
PAINT TO MATCH POLE
TWO PIECE BASE



46"



Mountain States Lighting
609 Krista Court
Murray, Utah 84123
Phone 801-268-4879
Fax 801-605-9058

COMPASS POINT - TOOELE, UTAH

SCALE: NTS	DATE: 08/13/25	DRAWN BY: TM	DRAWING NUMBER: 30RSS-K830-UT
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APPROVAL: