

Project:

Qty:

Luminaire:

Order:

Type:

Housing Module: Round bell-shaped dome with decorative flange made of spun aluminum, mechanically assembled to a cast A356 aluminum half sphere with a vertical tenon of $\varnothing$ 1 7/8" (4.7cm) O.D. by 4" (10cm) long with a 0.200" (0.5cm) wall. The housing module is suspended from a mounting with a 2 3/8" (6cm) outside $\varnothing$ by 5 1/2" (14cm) minimum length, and 0.156" (0.4cm) wall by means of 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 aluminum heat sink is designed to minimize the temperature of the LEDs, increasing their longevity and efficiency. The optical module is mechanically assembled to the heat-sink for easy replacement. The optical module is fully IP66 thanks to a molded silicone gasket. The high efficiency Orion LED optical engine is mechanically assembled on the heat sink. 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 acrylic lens are designed to illuminate only where needed while achieving excellent uniformity with maximum spacing. The optical acrylic lens are sealed on the LED board. The available light distribution types are T1, T1A, T1AHS, T2, T2HS, T2M, T2MHS, T3, T3M, T3HS, T3MHS, T4, T4HS, T5. A white decorative acrylic protection plate is mechanically assembled under the optical module with the no lens (NL) option.

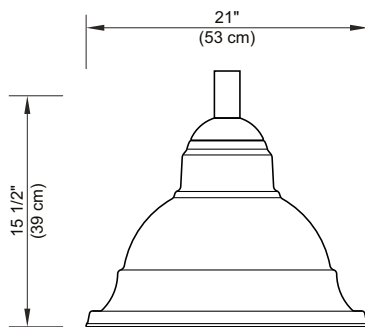
Driver module: Sol By Sunna Design Solar Engine

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 stainless steel.

Color: All Cyclone colors are available in textured (TX) or smooth (SM) finish. 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 the textured finish for this product.**

Warranty: 5-year limited warranty. Complete warranty terms located at:

<https://www.cyclonelighting.com/assets/Legal/Cyclone-Sales-TermsConditions-en.pdf>



EPA: 0.63 ft² **Weight:** 22.6 lbs / 10.2 kg

Stamp/Approval:

Name:

Date:

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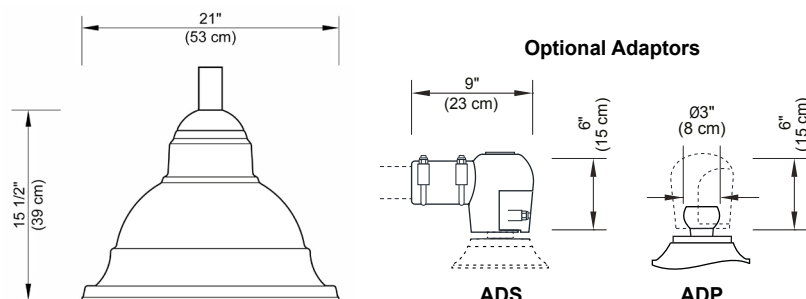
Ordering Code

Model	Lens	Distribution	Performance Package	CCT	SOLAR	
SY21P1	FGC Flat Glass Clear	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 * Backward optic	P10 (3500lm) P20 (5000lm) P30 (6500lm) P40 (8000lm) P50 (9000lm) P60 (12000lm) P70 (15500lm)	30K 3000K 40K 4000K		

Adaptor			Color	Texture	Pre-finish
Fitted with a vertical tenon of Ø 1 7/8" (4.7cm) O.D. and 0.203" (0.5cm) wall ADS Side Mount Adaptor ADP Suspended Mounting Adaptor			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 BKH* Black Holophane BZH* Dark bronze Holophane GNH* Green Holophane GHH* Graphite Holophane GRH* Gray Holophane SLH* Silver Holophane WHH* White Holophane * Holophane colors are only available in Smooth (SM) finish.	SM Smooth	MG Marine grade pre-finish

*** 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.

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

Domia - SY21P1-FGC (Suspended - Flat Glass Clear)

			30K					40K					LLD @ 25C			
Performance Package	Watts System	Optic	Lumen Output	Efficacy (LM/W)	B	U	G	Lumen Output	Efficacy (LM/W)	B	U	G	25K Hours	50K Hours	75K Hours	100K Hours
P10	22.8	T1	3049	134	1	0	1	3201	140	1	0	1	0.98	0.98	0.97	0.97
		T1A	3044	134	1	0	1	3196	140	1	0	1				
		T2	2889	127	1	0	1	3033	133	1	0	1				
		T2M	2811	123	1	0	1	2952	129	1	0	1				
		T3	2771	122	1	0	1	2910	128	1	0	1				
		T3M	2873	126	1	0	1	3017	132	1	0	1				
		T4	2643	116	1	0	1	2775	122	1	0	1				
		T5	2783	122	1	0	1	2922	128	1	0	1				
P20	33.4	T1	4359	131	2	0	1	4577	137	2	0	1	0.98	0.98	0.97	0.97
		T1A	4352	130	2	0	1	4570	137	2	0	1				
		T2	4130	124	1	0	1	4337	130	1	0	1				
		T2M	4019	120	1	0	1	4220	126	1	0	1				
		T3	3961	119	1	0	1	4159	125	1	0	1				
		T3M	4107	123	1	0	1	4312	129	1	0	1				
		T4	3779	113	1	0	1	3968	119	1	0	1				
		T5	3979	119	2	0	1	4178	125	2	0	1				
P30	43.8	T1	5621	128	2	0	2	5902	135	2	0	2	0.98	0.98	0.97	0.97
		T1A	5613	128	2	0	1	5894	135	2	0	1				
		T2	5326	122	1	0	1	5592	128	1	0	1				
		T2M	5183	118	1	0	1	5442	124	1	0	1				
		T3	5109	117	1	0	1	5364	122	1	0	1				
		T3M	5297	121	1	0	1	5562	127	1	0	1				
		T4	4874	111	1	0	1	5118	117	1	0	1				
		T5	5132	117	2	0	1	5389	123	2	0	1				
P40	55.1	T1	6837	124	3	0	2	7179	130	3	0	2	0.98	0.98	0.97	0.97
		T1A	6826	124	2	0	1	7167	130	2	0	1				
		T2	6477	118	1	0	1	6801	123	1	0	1				
		T2M	6303	114	2	0	1	6618	120	2	0	1				
		T3	6213	113	1	0	1	6524	118	1	0	1				
		T3M	6442	117	2	0	1	6764	123	2	0	1				
		T4	5927	108	1	0	1	6223	113	1	0	1				
		T5	6241	113	3	0	1	6553	119	3	0	1				
P50	63.5	T1	7798	123	3	0	2	8188	129	3	0	2	0.98	0.98	0.97	0.97
		T1A	7786	123	3	0	2	8175	129	3	0	2				
		T2	7388	116	1	0	1	7757	122	1	0	1				
		T2M	7190	113	2	0	1	7550	119	2	0	1				
		T3	7087	112	1	0	1	7441	117	1	0	1				
		T3M	7348	116	2	0	1	7715	122	2	0	1				
		T4	6760	106	1	0	2	7098	112	1	0	2				
		T5	7119	112	3	0	1	7475	118	3	0	1				
P60	85.3	T1	10411	122	3	0	2	10932	128	3	0	2	0.98	0.98	0.97	0.97
		T1A	10395	122	3	0	2	10915	128	3	0	2				
		T2	9864	116	2	0	1	10357	121	2	0	1				
		T2M	9599	113	2	0	2	10079	118	2	0	2				
		T3	9462	111	2	0	2	9935	116	2	0	2				
		T3M	9811	115	2	0	2	10302	121	2	0	2				
		T4	9026	106	2	0	2	9477	111	2	0	2				
		T5	9504	111	3	0	1	9979	117	3	0	1				
P70	110.9	T1	13553	122	3	0	3	14231	128	3	0	3	0.98	0.98	0.97	0.97
		T1A	13532	122	3	0	2	14209	128	3	0	2				
		T2	12840	116	2	0	2	13482	122	2	0	2				
		T2M	12496	113	2	0	2	13121	118	2	0	2				
		T3	12317	111	2	0	2	12933	117	2	0	2				
		T3M	12771	115	2	0	2	13410	121	2	0	2				
		T4	11750	106	2	0	2	12338	111	2	0	2				
		T5	12372	112	3	0	2	12991	117	3	0	2				

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	5000K
0.6	0.75	0.95	0.95	1.00	1.00