

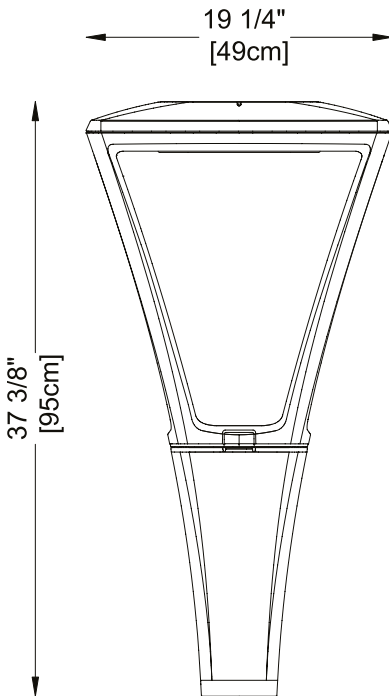
Project:

Qty:

Luminaire:

Order:

Type:



Fitter module: In cast A360 aluminum, equipped with an opening system that provides tight compression when closed. A push-button allows tool-free access to the power supply module. The base module is self-leveling and held in place by pressure screws. Fits onto a 4" (10cm) OD x 3" (7cm) long stud.

Frame module: Square-shaped, the cage is cast in A360 aluminum and mechanically assembled to the base module.

Roof module: Square-shaped, cast A360 aluminum, mechanically assembled to the frame module.

Optical module: A ring light is combined to an Orion LED optical engine for high efficiency comfort lighting. Together, they deliver a soft yet precise light while reducing glare through the visual comfort of the ring. Both engines are mechanically assembled to the frame module and consist of high-efficacy LEDs mounted on a printed circuit boards and A360 molded aluminum heat sinks, ensuring optimal thermal management. The Orion optical lenses are cured directly on the LED board and offer an IP66 ingress protection rating. The Saturn optical module (ring) offers 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 80 for the ring and 70 for the Orion. The available light distribution types are 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. A white decorative acrylic protection plate is mechanically assembled under the optical module.

Driver Module: The self-adjusting Class 2 (P05 to P60) drivers (2) are removable. 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 20 kV/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 from luminaire. All electrical connections between modules are made with quick-disconnect connectors for easy maintenance. All exposed hardware is 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 the textured finish for this product.**

Vibration: (3G) according to ANSI C136.31-2010

Waterproofing: IP66 according to EN 60529 and IEC 60598-1

Electromagnetic compatibility: According to ICES-005-A (2018)

cULus: According to C22.2 / UL1598

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

EPA: 1.79 ft²

Weight: 44.6 lbs / 20.2 kg

Stamp/Approval:

Name:

Date:

Name:

Date:

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Project:
Qty:
Luminaire:

Order:
Type:

Ordering Code

Model	Lens	Distribution	Performance package ²	CCT	Volts	Surge protector
OBLT4A	CFTNL Comfort optic and No Lens Orion	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 TCWR Crosswalk right TCWL Crosswalk left Backward optics ¹	P05 (2 600 lm) P10 (3 200 lm) P15 (3 800 lm) P20 (4 500 lm) P25 (4 900 lm) P30 (6 000 lm) P40 (7 200 lm) P50 (8 300 lm) P60 (9 600 lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC	10KV 10kV/5kA 20KV 20kV/10kA

Options				Options	
Reducer	Photocell	Dimming	Color	Texture	Pre-finish
- Installs on a tenon of Ø 4" (10cm) X 3" (7.5cm) high R28 Installs on a 4" (10cm) Ø to 2 7/8" (7cm) Ø x 3" (7.5cm) high R30 Installs on a 4" (10cm) Ø to 3" (7.5cm) Ø x 3" (7.5cm) high R35 Installs on a 4" (10cm) Ø to 3.5" (8.5cm) Ø x 3" (7.5cm) high R238 Installs on a 4" (10cm) Ø to 2 3/8" (6cm) Ø x 3" (7.5cm) high	- PT Photocell W/7-PIN receptacle (ANSI C136.41) PX Shorting cap W/7-PIN receptacle (ANSI C136.41) PTL Long life photocell W/7-PIN receptacle (ANSI C136.41) PTDR W/7-PIN receptacle (ANSI C136.41)	- PND506 ³ Program 50% for 6 hours (11PM to 5AM) PND508 ³ Program 50% for 8 hours (9PM to 5AM) DIM 0-10 volts wire for external controls SD ³ 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 G Burgundy RAL3005 GM GM Moss green RAL6005 PG G Pale grey RAL7040 WH White RAL9003 SG ⁴ Steel Gray BKH ⁵ 7 Black Holophane BZH ⁵ Dark bronze Holophane GNH ⁵ Green Holophane GHH ⁵ Graphite Holophane GRH ⁵ Gray Holophane SLH ⁵ Silver Holophane WHH ⁵ White Holophane	TX Textured SM Smooth SX ⁶ Textured, matt (Sandtex)	- MG Marine grade pre-finish

1 - 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.

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

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

4 - Available in SX finish only.

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

6 - SX finish only available with SG color.

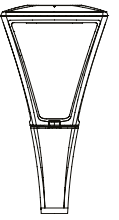
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice. Please consult our web site for up-to-date product information and IES files.

EPA: 1,79 ft²

Weight: 44.6 lbs / 20.2 kg

Stamp/Approval:
Name:
Date:
Name:
Date:

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Photometric Data Tables

Oblo OBLT4A – CFTNL (Advance Confort with Glare Reduction / Pat. Pend.)

		3000K								4000K								LLD @ 25C									
Performance Package	Watts System	Optic	Lumen Output	Efficacy (LM/W)	BUG			Optic	Lumen Output	Efficacy (LM/W)	BUG			Optic	Lumen Output	Efficacy (LM/W)	BUG			25K Hours	50K Hours	75K Hours	100K Hours				
P05	28,0	T1A	2524	90	B1-U1-G1	T1AHS	2349	84	B1-U1-G1	T1A	2656	95	B1-U1-G1	T1AHS	2473	88	B1-U1-G1				0,96	0,95	0,93	0,92			
		T2	2464	88	B1-U1-G1	T2HS	2276	81	B1-U1-G1	T2	2594	93	B1-U1-G1	T2HS	2395	86	B1-U1-G1										
		T2M	2476	89	B1-U1-G1	T2MHS	2229	80	B1-U1-G1	T2M	2606	93	B1-U1-G1	T2MHS	2346	84	B1-U1-G1										
		T3	2483	89	B1-U1-G1	T3HS	2247	80	B1-U1-G1	T3	2614	93	B1-U1-G1	T3HS	2365	85	B1-U1-G1										
		T3M	2415	86	B1-U1-G1	T3MHS	2212	79	B1-U1-G1	T3M	2542	91	B1-U1-G1	T3MHS	2328	83	B1-U1-G1										
		T4	2459	88	B1-U1-G1	T4HS	2211	79	B1-U1-G1	T4	2588	93	B1-U1-G1	T4HS	2328	83	B1-U1-G1										
		T5	2549	91	B1-U1-G1					T5	2683	96	B1-U1-G1														
P10	34,9	TCWL	2606	93	B1-U1-G1	TCWR	2584	92	B1-U1-G1	TCWL	2743	98	B1-U1-G1	TCWR	2720	97	B1-U1-G1										
		T1A	3136	90	B1-U1-G1	T1AHS	2919	84	B1-U1-G1	T1A	3301	95	B1-U1-G1	T1AHS	3073	88	B1-U1-G1				0,96	0,95	0,93	0,92			
		T2	3062	88	B1-U1-G1	T2HS	2828	81	B1-U1-G1	T2	3223	92	B1-U1-G1	T2HS	2977	85	B1-U1-G1										
		T2M	3076	88	B1-U1-G1	T2MHS	2770	79	B1-U1-G1	T2M	3238	93	B1-U1-G1	T2MHS	2916	84	B1-U1-G1										
		T3	3086	89	B1-U1-G1	T3HS	2792	80	B1-U1-G1	T3	3249	93	B1-U1-G1	T3HS	2939	84	B1-U1-G1										
		T3M	3001	86	B1-U1-G1	T3MHS	2748	79	B1-U1-G1	T3M	3159	91	B1-U1-G1	T3MHS	2893	83	B1-U1-G1										
		T4	3056	88	B1-U1-G1	T4HS	2748	79	B1-U1-G1	T4	3216	92	B1-U1-G1	T4HS	2893	83	B1-U1-G1										
P15	41,7	T5	3168	91	B2-U1-G1					T5	3335	96	B2-U1-G1														
		TCWL	2920	84	B1-U1-G1	TCWR	2894	83	B1-U1-G1	TCWL	3074	88	B1-U1-G1	TCWR	3047	87	B1-U1-G1										
		T1A	3748	90	B1-U1-G1	T1AHS	3488	84	B1-U1-G1	T1A	3945	95	B1-U1-G1	T1AHS	3672	88	B1-U1-G1				0,96	0,95	0,93	0,92			
		T2	3659	88	B1-U1-G1	T2HS	3379	81	B1-U1-G1	T2	3851	92	B1-U1-G1	T2HS	3557	85	B1-U1-G1										
		T2M	3676	88	B1-U1-G1	T2MHS	3310	79	B1-U1-G1	T2M	3870	93	B1-U1-G1	T2MHS	3484	84	B1-U1-G1										
		T3	3688	88	B1-U1-G1	T3HS	3336	80	B1-U1-G1	T3	3882	93	B1-U1-G1	T3HS	3512	84	B1-U1-G1										
		T3M	3587	86	B1-U1-G1	T3MHS	3284	79	B1-U1-G1	T3M	3775	91	B1-U1-G2	T3MHS	3457	83	B1-U1-G1										
P20	49,5	T4	3651	88	B1-U1-G1	T4HS	3284	79	B1-U1-G1	T4	3844	92	B1-U1-G1	T4HS	3457	83	B1-U1-G1										
		T5	3785	91	B2-U1-G1					T5	3985	96	B2-U1-G1														
		TCWL	3447	83	B1-U1-G1	TCWR	3414	82	B1-U1-G1	TCWL	3628	87	B1-U1-G1	TCWR	3594	86	B1-U1-G1										
		T1A	4362	88	B1-U1-G1	T1AHS	4060	82	B1-U1-G1	T1A	4592	93	B1-U1-G1	T1AHS	4274	86	B1-U1-G1				0,96	0,95	0,93	0,92			
		T2	4259	86	B1-U1-G1	T2HS	3933	80	B1-U1-G1	T2	4483	91	B1-U1-G1	T2HS	4140	84	B1-U1-G1										
		T2M	4279	87	B1-U1-G1	T2MHS	3852	78	B1-U1-G1	T2M	4504	91	B1-U1-G1	T2MHS	4055	82	B1-U1-G1										
		T3	4292	87	B1-U1-G1	T3HS	3883	79	B1-U1-G1	T3	4518	91	B1-U1-G1	T3HS	4087	83	B1-U1-G1										
T3M	4175	84	B1-U1-G2	T3MHS	3823	77	B1-U1-G1	T3M	4394	89	B1-U1-G2	T3MHS	4024	81	B1-U1-G1												
P25	54,2	T4	4250	86	B1-U1-G2	T4HS	3822	77	B1-U1-G1	T4	4474	90	B1-U1-G2	T4HS	4023	81	B1-U1-G1										
		T5	4406	89	B2-U1-G1					T5	4638	94	B2-U1-G1														
		TCWL	3968	80	B1-U1-G1	TCWR	3928	79	B1-U1-G1	TCWL	4176	84	B1-U1-G1	TCWR	4135	84	B1-U1-G1										
		T1A	4754	88	B2-U1-G1	T1AHS	4425	82	B1-U1-G1	T1A	5004	92	B2-U1-G2	T1AHS	4657	86	B2-U1-G1				0,96	0,95	0,93	0,92			
		T2	4641	86	B1-U1-G1	T2HS	4287	79	B1-U1-G1	T2	4885	90	B1-U1-G1	T2HS	4512	83	B1-U1-G1										
		T2M	4663	86	B1-U1-G1	T2MHS	4198	77	B1-U1-G1	T2M	4909	91	B2-U1-G1	T2MHS	4419	81	B1-U1-G1										
		T3	4678	86	B1-U1-G1	T3HS	4232	78	B1-U1-G1	T3	4924	91	B1-U1-G1	T3HS	4455	82	B1-U1-G1										
T3M	4550	84	B1-U1-G2	T3MHS	4166	77	B1-U1-G1	T3M	4789	88	B2-U1-G2	T3MHS	4385	81	B1-U1-G1												
P30	70,6	T4	4632	85	B1-U1-G2	T4HS	4165	77	B1-U1-G1	T4	4876	90	B1-U1-G2	T4HS	4385	81	B1-U1-G1										
		T5	4802	89	B2-U1-G1					T5	5055	93	B2-U1-G1														
		TCWL	4587	85	B1-U1-G1	TCWR	4539	84	B1-U1-G1	TCWL	4828	89	B1-U1-G1	TCWR	4777	88	B1-U1-G1										
		T1A	5828	83	B2-U1-G2	T1AHS	5424	77	B2-U1-G1	T1A	6134	87	B2-U1-G2	T1AHS	5710	81	B2-U1-G2				0,96	0,95	0,93	0,92			
		T2	5690	81	B2-U1-G1	T2HS	5255	74	B1-U1-G1	T2	5989	85	B2-U1-G1	T2HS	5532	78	B1-U1-G1										
		T2M	5717	81	B2-U1-G1	T2MHS	5147	73	B2-U1-G1	T2M	6018	85	B2-U1-G2	T2MHS	5418	77	B2-U1-G1										
		T3	5735	81	B2-U1-G2	T3HS	5188	74	B1-U1-G1	T3	6037	86	B2-U1-G2	T3HS	5461	77	B2-U1-G1										
T3M	5577	79	B2-U1-G2	T3MHS	5107	72	B2-U1-G2	T3M	5871	83	B2-U1-G2	T3MHS	5376	76	B2-U1-G2												
P40	88,5	T4	5678	80	B2-U1-G2	T4HS	5106	72	B1-U1-G2	T4	5977	85	B2-U1-G2	T4HS	5375	76	B1-U1-G2										
		T5	5887	83	B3-U1-G1					T5	6197	88	B3-U1-G1														
		TCWL	5387	76	B1-U1-G1	TCWR	5330	76	B1-U1-G1	TCWL	5670	80	B1-U1-G1	TCWR	5611	79	B1-U1-G1										
		T1A	7000	79	B2-U1-G2	T1AHS	6515	74	B2-U1-G2	T1A	7368	83	B2-U1-G2	T1AHS	6858	77	B2-U1-G2				0,96	0,95	0,93	0,92			
		T2	6834	77	B2-U1-G2	T2HS	6312	71	B2-U1-G1	T2	7194	81	B2-U1-G2	T2HS	6644	75	B2-U1-G1										
		T2M	6867	78	B2-U1-G2	T2MHS	6182	70	B2-U1-G1	T2M	7228	82	B2-U1-G2	T2MHS	6508	74	B2-U1-G1										
		T3	6888	78	B2-U1-G2	T3HS	6231	70	B2-U1-G1	T3	7251	82	B2-U1-G2	T3HS	6559	74	B2-U1-G1										
T3M	6699	76	B2-U1-G2	T3MHS	6135	69	B2-U1-G2	T3M	7052	80	B2-U1-G2	T3MHS	6458	73	B2-U1-G2												
P50	107,5	T4	6821	77	B2-U1-G2	T4HS	6134	69	B2-U1-G2	T4	7179	81	B2-U1-G2	T4HS	6456	73	B2-U1-G2										
		T5	7071	80	B3-U1-G2					T5	7443	84	B3-U1-G2														
		TCWL	6855	77	B1-U1-G1	TCWR	6783	77	B1-U1-G1	TCWL	7215	82	B1-U1-G1	TCWR	7140	81	B1-U1-G1										
		T1A	8046	75	B2-U1-G2	T1AHS	7489	70	B2-U1-G2	T1A	8469	79	B2-U1-G2	T1AHS	7883	73	B2-U1-G2				0,96	0,95	0,93	0,92			
		T2	7855	73	B2-U1-G2	T2HS	7255	67	B2-U1-G2	T2	8269	77	B2-U1-G2	T2HS	7637	71	B2-U1-G2										
		T2M	7892	73	B2-U1-G2	T2MHS	7106	66	B2-U1-G2	T2M	8308	77	B2-U1-G2	T2MHS	7480	70	B2-U1-G2										
		T3	7917	74	B2-U1-G2	T3HS	7162	67	B2-U1-G2	T3	8334	78	B2-U1-G2	T3HS	7539	70	B2-U1-G2										
T3M	7700	72	B2-U1-G2	T3MHS	7051	66	B2-U1-G2	T3M	8105	75	B2-U1-G2	T3MHS	7422	69	B2-U1-G2												
P60	118,4	T4	7839	73	B2-U1-G2	T4HS	7050	66	B2-U1-G2	T4	8252	77	B2-U1-G2	T4HS	7421	69	B2-U1-G2										
		T5	8127	76	B3-U1-G2					T5	8555	80	B3-U1-G2														
		TCWL	7745	72	B2-U1-G1	TCWR	7663	71	B1-U1-G1	TCWL	7745	72	B2-U1-G1	TCWR	7663	71	B2-U1-G1										
		T1A	9263	78	B2-U1-G2	T1AHS	8549	72	B2-U1-G2	T1A	9751	82	B2-U1-G2	T1AHS	8999	76	B2-U1-G2				0,96	0,95	0,93	0,92			
		T2	9019	76	B2-U1-G2	T2HS	8250	70	B2-U1-G2	T2	9494	80	B2-U1-G2	T2HS	8684	73	B2-U1-G2										
		T2M	9067	77	B2-U1-G2	T2MHS	8059	68	B2-U1-G2	T2M	9544	81	B2-U1-G2	T2MHS	8483	72	B2-U1-G2										
		T3	9099	77	B2-U1-G2	T3HS	8131	69	B2-U1-G2	T3	9578	81	B2-U1-G2	T3HS	8559	72	B2-U1-G2										
T3M	8820	74	B2-U1-G3	T3MHS	7989	67	B2-U1-G2	T3M	9284	78	B2-U1-G3	T3MHS	8409	71	B2-U1-G2												
T4	8999	76	B2-U1-G3	T4HS	7987	67	B2-U1-G2	T4	9472	80	B2-U1-G3	T4HS	8407	71	B2-U1-G2												
P60		T5	9367	79	B3-U1-G2					T5	9860	83	B3-U1-G2														
		TCWL	8854	75	B2-U1-G1	TCWR	8759	74	B2-U1-G1	TCWL	8854	75	B2-U1-G1	TCWR	8759	74	B2-U1-G1										