

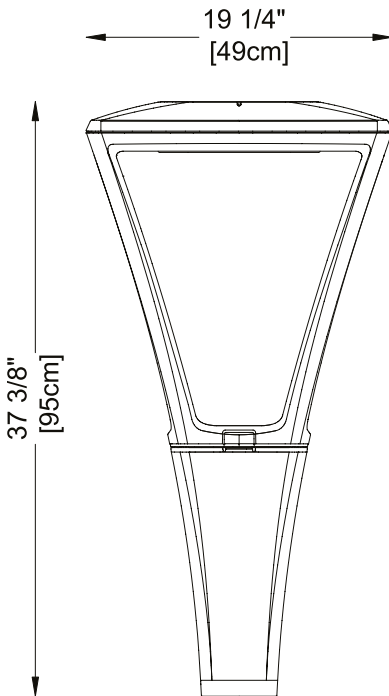
Project:

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.

Optical module: The molded 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. Produces 0% uplight. 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. (NL) Without glass lens.

Driver Module: The self-adjusting Class 2 (P05 to P70) driver is 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: 41.6 lbs / 18.9 kg

Stamp/Approval:

Name:

Date:

Name:

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Date:



Oblo OBLT4A – NL Approval – Specification

Project:

Qty:

Luminaire:

Order:

Type:

Ordering Code

Model	Lens	Distribution	Performance package ²	CCT	Volts	Surge protector
OBLT4A	NL 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 (2 500 lm) P10 (3 000 lm) P15 (3 700 lm) P20 (4 400 lm) P25 (5 000 lm) P30 (5 600 lm) P40 (6 400 lm) P50 (7 500 lm) P60 (9 000 lm) P70 (10 000 lm)	30K 3000K 40K 4000K	MVOLT 120-277VAC HVOLT 347-480VAC 120 208 240 277 347 480	10KV 10kV/5kA 20KV 20kV/10kA

Options				Options		
Reducer	Photocell	Terminal Block	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)	- TBC Terminal Block (with NL only)	- 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 ⁴ 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: 41.6 lbs / 18.9 kg

Stamp/Approval:

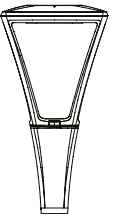
Name:

Date:

Name:

Date:

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Photometric Data Tables

Oblo OBLT4A – NL (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	UG			B	UG			B	UG			B	UG				
P05	18,3	T1A	2519	138	B1-U0-G1	T1AHS	2195	120	B1-U0-G1	T1A	2651	145	B1-U0-G1	T1AHS	2310	126	B1-U0-G1	0,98	0,98	0,97	0,97
		T2	2408	132	B1-U0-G1	T2HS	2059	113	B0-U0-G1	T2	2535	139	B1-U0-G1	T2HS	2167	118	B0-U0-G1				
		T2M	2430	133	B1-U0-G1	T2MHS	1972	108	B1-U0-G1	T2M	2557	140	B1-U0-G1	T2MHS	2076	113	B1-U0-G1				
		T3	2444	134	B1-U0-G1	T3HS	2005	110	B0-U0-G1	T3	2573	141	B1-U0-G1	T3HS	2110	115	B0-U0-G1				
		T3M	2318	127	B1-U0-G2	T3MHS	1940	106	B1-U0-G1	T3M	2440	133	B1-U0-G2	T3MHS	2042	112	B1-U0-G1				
		T4	2399	131	B1-U0-G1	T4HS	1939	106	B0-U0-G1	T4	2525	138	B1-U0-G1	T4HS	2041	112	B0-U0-G1				
		T5	2566	140	B2-U0-G1					T5	2701	148	B2-U0-G1								
P10	24,2	TCWL	2446	134	B1-U0-G1	TCWR	2413	132	B0-U0-G1	TCWL	2574	141	B1-U0-G1	TCWR	2540	139	B0-U0-G1	0,98	0,98	0,97	0,97
		T1A	3055	126	B1-U0-G1	T1AHS	2662	110	B1-U0-G1	T1A	3216	133	B1-U0-G1	T1AHS	2802	116	B1-U0-G1				
		T2	2920	121	B1-U0-G1	T2HS	2497	103	B0-U0-G1	T2	3074	127	B1-U0-G1	T2HS	2628	109	B0-U0-G1				
		T2M	2947	122	B1-U0-G1	T2MHS	2391	99	B1-U0-G1	T2M	3102	128	B1-U0-G1	T2MHS	2517	104	B1-U0-G1				
		T3	2964	122	B1-U0-G1	T3HS	2431	100	B0-U0-G1	T3	3120	129	B1-U0-G1	T3HS	2559	106	B1-U0-G1				
		T3M	2811	116	B1-U0-G2	T3MHS	2353	97	B1-U0-G1	T3M	2959	122	B1-U0-G2	T3MHS	2477	102	B1-U0-G1				
		T4	2909	120	B1-U0-G2	T4HS	2352	97	B0-U0-G1	T4	3062	127	B1-U0-G2	T4HS	2476	102	B0-U0-G1				
P15	29,4	T5	3112	129	B2-U0-G1					T5	3276	135	B2-U0-G1					0,98	0,98	0,97	0,97
		TCWL	2966	123	B1-U0-G1	TCWR	2927	121	B1-U0-G1	TCWL	3122	129	B1-U0-G1	TCWR	3081	127	B1-U0-G1				
		T1A	3692	126	B1-U0-G1	T1AHS	3217	109	B1-U0-G1	T1A	3887	132	B1-U0-G1	T1AHS	3386	115	B1-U0-G1				
		T2	3530	120	B1-U0-G1	T2HS	3018	103	B1-U0-G1	T2	3716	126	B1-U0-G1	T2HS	3177	108	B1-U0-G1				
		T2M	3562	121	B1-U0-G1	T2MHS	2891	98	B1-U0-G1	T2M	3749	128	B1-U0-G1	T2MHS	3043	104	B1-U0-G1				
		T3	3583	122	B1-U0-G1	T3HS	2939	100	B1-U0-G1	T3	3771	128	B1-U0-G1	T3HS	3093	105	B1-U0-G1				
		T3M	3397	116	B1-U0-G2	T3MHS	2844	97	B1-U0-G1	T3M	3576	122	B1-U0-G2	T3MHS	2993	102	B1-U0-G1				
P20	34,8	T4	3516	120	B1-U0-G2	T4HS	2843	97	B0-U0-G1	T4	3701	126	B1-U0-G2	T4HS	2992	102	B0-U0-G1	0,98	0,98	0,97	0,97
		T5	3762	128	B2-U0-G1					T5	3960	135	B2-U0-G1								
		TCWL	3585	122	B1-U0-G1	TCWR	3537	120	B1-U0-G1	TCWL	3774	128	B1-U0-G1	TCWR	3723	127	B1-U0-G1				
		T1A	4328	124	B1-U0-G1	T1AHS	3771	108	B1-U0-G1	T1A	4555	131	B1-U0-G1	T1AHS	3969	114	B1-U0-G1				
		T2	4137	119	B1-U0-G1	T2HS	3537	102	B1-U0-G1	T2	4355	125	B1-U0-G1	T2HS	3723	107	B1-U0-G1				
		T2M	4174	120	B1-U0-G1	T2MHS	3388	97	B1-U0-G1	T2M	4394	126	B1-U0-G1	T2MHS	3566	102	B1-U0-G1				
		T3	4199	121	B1-U0-G1	T3HS	3444	99	B1-U0-G1	T3	4420	127	B1-U0-G2	T3HS	3626	104	B1-U0-G1				
P25	39,8	T3M	3982	114	B1-U0-G2	T3MHS	3333	96	B1-U0-G1	T3M	4192	120	B1-U0-G2	T3MHS	3508	101	B1-U0-G2	0,98	0,98	0,97	0,97
		T4	4121	118	B1-U0-G2	T4HS	3332	96	B0-U0-G1	T4	4338	125	B1-U0-G2	T4HS	3507	101	B1-U0-G2				
		T5	4409	127	B3-U0-G1					T5	4641	133	B3-U0-G1								
		TCWL	4202	121	B1-U0-G1	TCWR	4146	119	B1-U0-G1	TCWL	4423	127	B1-U0-G1	TCWR	4364	125	B1-U0-G1				
		T1A	4987	125	B1-U0-G1	T1AHS	4345	109	B1-U0-G1	T1A	5250	132	B2-U0-G2	T1AHS	4574	115	B1-U0-G1				
		T2	4768	120	B1-U0-G1	T2HS	4076	102	B1-U0-G1	T2	5019	126	B1-U0-G1	T2HS	4291	108	B1-U0-G1				
		T2M	4811	121	B1-U0-G1	T2MHS	3904	98	B1-U0-G1	T2M	5064	127	B1-U0-G1	T2MHS	4110	103	B1-U0-G1				
P30	46,2	T3	4840	122	B1-U0-G2	T3HS	3969	100	B1-U0-G1	T3	5094	128	B1-U0-G2	T3HS	4178	105	B1-U0-G1	0,98	0,98	0,97	0,97
		T3M	4589	115	B1-U0-G2	T3MHS	3841	97	B1-U0-G2	T3M	4831	121	B1-U0-G2	T3MHS	4043	102	B1-U0-G2				
		T4	4750	119	B1-U0-G2	T4HS	3840	96	B1-U0-G2	T4	5000	126	B1-U0-G2	T4HS	4042	102	B1-U0-G2				
		T5	5081	128	B3-U0-G1					T5	5349	134	B3-U0-G1								
		TCWL	4843	122	B1-U0-G1	TCWR	4778	120	B1-U0-G1	TCWL	5098	128	B1-U0-G1	TCWR	5029	126	B1-U0-G1				
		T1A	5545	120	B2-U0-G2	T1AHS	4831	105	B1-U0-G1	T1A	5837	126	B2-U0-G2	T1AHS	5085	110	B1-U0-G1				
		T2	5301	115	B1-U0-G1	T2HS	4532	98	B1-U0-G1	T2	5580	121	B1-U0-G1	T2HS	4770	103	B1-U0-G1				
P40	54,5	T2M	5349	116	B1-U0-G1	T2MHS	4341	94	B1-U0-G1	T2M	5630	122	B1-U0-G1	T2MHS	4569	99	B1-U0-G1	0,98	0,98	0,97	0,96
		T3	5381	116	B1-U0-G2	T3HS	4413	96	B1-U0-G1	T3	5664	123	B1-U0-G2	T3HS	4645	101	B1-U0-G1				
		T3M	5102	110	B1-U0-G2	T3MHS	4271	92	B1-U0-G2	T3M	5371	116	B1-U0-G3	T3MHS	4495	97	B1-U0-G2				
		T4	5281	114	B1-U0-G2	T4HS	4269	92	B1-U0-G2	T4	5559	120	B1-U0-G2	T4HS	4494	97	B1-U0-G2				
		T5	5649	122	B3-U0-G2					T5	5947	129	B3-U0-G2								
		TCWL	5384	117	B1-U0-G1	TCWR	5312	115	B1-U0-G1	TCWL	5667	123	B1-U0-G1	TCWR	5592	121	B1-U0-G1				
		T1A	6278	115	B2-U0-G2	T1AHS	5470	100	B1-U0-G1	T1A	6609	121	B2-U0-G2	T1AHS	5758	106	B2-U0-G1				
P50	66,1	T2	6002	110	B1-U0-G2	T2HS	5131	94	B1-U0-G1	T2	6318	116	B1-U0-G2	T2HS	5401	99	B1-U0-G1	0,98	0,98	0,97	0,96
		T2M	6056	111	B1-U0-G1	T2MHS	4915	90	B1-U0-G1	T2M	6375	117	B1-U0-G1	T2MHS	5174	95	B1-U0-G1				
		T3	6092	112	B1-U0-G2	T3HS	4997	92	B1-U0-G1	T3	6413	118	B1-U0-G2	T3HS	5260	97	B1-U0-G2				
		T3M	5777	106	B1-U0-G3	T3MHS	4835	89	B1-U0-G2	T3M	6081	112	B1-U0-G3	T3MHS	5090	93	B1-U0-G2				
		T4	5979	110	B1-U0-G2	T4HS	4834	89	B1-U0-G2	T4	6294	115	B1-U0-G3	T4HS	5088	93	B1-U0-G2				
		T5	6397	117	B3-U0-G2					T5	6733	124	B3-U0-G2								
		TCWL	6096	112	B1-U0-G1	TCWR	6015	110	B1-U0-G1	TCWL	6417	118	B1-U0-G1	TCWR	6331	116	B1-U0-G1				
P60	85,8	T1A	7310	111	B2-U0-G2	T1AHS	6369	96	B2-U0-G1	T1A	7695	116	B2-U0-G2	T1AHS	6704	101	B2-U0-G1	0,96	0,94	0,92	0,90
		T2	6988	106	B1-U0-G2	T2HS	5975	90	B1-U0-G1	T2	7356	111	B1-U0-G2	T2HS	6289	95	B1-U0-G1				
		T2M	7051	107	B2-U0-G2	T2MHS	5723	87	B1-U0-G1	T2M	7422	112	B2-U0-G2	T2MHS	6024	91	B1-U0-G1				
		T3	7093	107	B1-U0-G2	T3HS	5818	88	B1-U0-G2	T3	7467	113	B1-U0-G2	T3HS	6124	93	B1-U0-G2				
		T3M	6726	102	B2-U0-G3	T3MHS	5630	85	B1-U0-G2	T3M	7080	107	B2-U0-G3	T3MHS	5926	90	B1-U0-G2				
		T4	6962	105	B1-U0-G3	T4HS	5628	85	B1-U0-G2	T4	7328	111	B1-U0-G3	T4HS	5924	90	B1-U0-G2				
		T5	7448	113	B3-U0-G2					T5	7840	119	B3-U0-G2								
P70	102,1	TCWL	7098	107	B1-U0-G1	TCWR	7003	106	B1-U0-G1	TCWL	7472	113	B1-U0-G1	TCWR	7372	112	B1-U0-G1	0,95	0,92	0,89	0,87
		T1A	8849	103	B2-U0-G2	T1AHS	7710	90	B2-U0-G2	T1A	9315	109	B2-U0-G2	T1AHS	8116	95	B2-U0-G2				
		T2	8460	99	B1-U0-G2	T2HS	7233	84	B1-U0-G2	T2	8905	104	B1-U0-G2	T2HS	7613	89	B1-U0-G2				
		T2M	8536	99	B2-U0-G2	T2MHS	6928	81	B1-U0-G1	T2M	8985	105	B2-U0-G2	T2MHS	7292	85	B1-U0-G2				
		T3	8587	100	B2-U0-G2	T3HS	7043	82	B1-U0-G2	T3	9039	105	B2-U0-G2	T3HS	7414	86	B1-U0-G2				
		T3M	8143	95	B2-U0-G3	T3MHS	6816	79	B1-U0-G2	T3M	8571	100	B2-U0-G3	T3MHS	7174	84	B2-U0-G2				
		T4	8427	98	B1-U0-G3	T4HS	6813	79	B1-U0-G2	T4	8871	103	B1-U0-G3	T4HS	7172	84	B1-U0-G2				
P70	102,1	T5	9016	105	B3-U0-G2					T5	9491	111	B3-U0-G2					0,95	0,92	0,89	0,87
		TCWL	8593	100	B1-U0-G1	TCWR	8478	99	B1-U0-G1	TCWL	9045	105	B1-U0-G1	TCWR	8924	104	B1-U0-G1				
		T1A	9909	97	B2-U0-G2	T1AHS	8633	85	B2-U0-G2	T1A	10430	102	B3-U0-G3	T1AHS	9088	89	B2-U0-G2				
		T2	9473	93	B1-U0-G2	T2HS	8099	79	B1-U0-G2	T2	9971	98	B2-U0-G2	T2HS	8525	83	B1-U0-G2				
		T2M	9558	94	B2-U0-G2	T2MHS	7757	76	B1-U0-G2	T2M	10061	99	B2-U0-G2	T2MHS	8165	80	B2-U0-G2				
		T3	9615	94	B2-U0-G3	T3HS	7886	77	B1-U0-G2	T3	10121	99	B2-U0-G3	T3HS	8301	81	B1-U0-G2				
		T3M	9117	89	B2-U0-G3	T3MHS	7632	75	B2-U0-G3	T3M	9597	94	B2-U0-G3	T3MHS	8033	79	B2-U0-G3				
P70	102,1	T4	9436	92	B1-U0-G3	T4HS	7629	75	B1-U0-G3	T4	9933	97	B2-U0-G3	T4HS	8030	79	B1-U0-G3	0,95	0,92	0,89	0,87
		T5	10095	99	B3-U0-G2					T5	10627	104	B3-U0-G2								
P70	102,1	TCWL	9621	94	R1-U0-G1	TCWR	9493	93	R1-U0-G1	TCWL	10128	98	R1-U0-G1	TCWR	9992	98	R1-U0-G1	0,95	0,92	0,89	0,87