



LED WATTAGE CHART

Drive Current	16L
400 milliamps	18W (1256-1720 Lumens)
530 milliamps	28W (1902-2605 Lumens)
700 milliamps	37W (2511-3441 Lumens)
1050 milliamps	55W (3767-5161 Lumens)

Form

- Elegant Die-Cast Aluminum Housing
- Corrosion Resistant Stainless Steel External Hardware
- Sleek, Low Profile Housing
- Spec Grade Performance
- Engineered For Optimum Thermal Management
- 9 Architectural Finishes Standard, RAL Colors Available

Function

- Micro Optics IES Distributions T2, T3, T4, T5
- 0-10V Dimming Drivers THD @ Max Load < 15%
- Power factor @ Max Load < 0.95
- Amber, 2700K, 3000K, 3500K, 4000K, or 5000K
- 16L LED Configuration
- CRI 70, 80, or 90
- 5 MILS Powder Coat
- Up to 5,161 Lumens

Reliability

- Silicone Micro Optics
- 5 Year Standard Warranty
- IP67 Optics
- IP66 Fixture

BUY AMERICAN

To ensure the latest BAA/TAA/BABA Standards are being met, please select BAA, TAA, or BABA in the options section. Please contact the factory before placing an order for any NLS products requesting BAA (Buy American Act), TAA (Trade American Act), or BABA (Build America, Buy America).



Project Name:

Type:

ORGANIX - BOLLARD - ORDERING GUIDE

Cat#	Height	Light Dist.	No. of LEDs	Milliamps	Kelvin Temp
Organix - Bollard (ORX-B)	26" (26)	Type 2 (T2)	16 (16L)	400 (40)	Amber 585-600nm (AMBER) ① ② ⑦
	36" (36)	Type 3 (T3)		530 (53)	2700K, 70 CRI (27K7)
	42" (42)	Type 4 (T4)		700 (7)	2700K, 80 CRI (27K8) ①
		Type 5 (T5)		1050 (1)	3000K, 70 CRI (30K7)
					3000K, 80 CRI (30K8) ①
					3500K, 80 CRI (35K8)
					4000K, 70 CRI (40K7)
					4000K, 80 CRI (40K8) ①
					5000K, 70 CRI (50K7)
					5000K, 80 CRI (50K8) ①

Volts	Mounting	Color	Control Options	Options	Lens Options
120-277 (UNV)	Anchor Base (AB)	Bronze Textured (BRZ)	Button Photocell (PC) ②	Marine Grade Finish (MGF)	Clear Tempered Glass Lens (CTG)
347-480 (HV)		White Textured (WHT)	Microwave Motion Sensor (MMS) ⑥	Emergency Battery Back-Up 4 Watts (EM4) ②	
		Smooth White Gloss (SWT)	Custom Controls Integration (CCI) ③	Emergency Battery Back-Up 8 Watts (EM8) ②	
		Silver Textured (SVR)		Vandal Resistant Base (VRB)	
		Black Textured (BLK)		House Side Shield (HSS)	
		Smooth Black Gloss (SBK)		Buy American (BAA) ⑤	
		Graphite Textured (GPH)		Trade American (TAA) ⑤	
		Grey (GRY)		Build America Buy American (BABA) ⑤	
		Green (GRN)			
		Custom (CS)			

Notes:

- ① Consult Factory For Lead Time. Consult Factory For 90 CRI Requests.
- ② Universal Voltage 120-277
- ③ Please contact Factory for Custom Control Integration requests (nLight, NX, WaveLinx, Crestron, DMX/RDM, Synapse, Casambi, Dali II, Avi-On, or other control systems)
- ④ Turtle Safe
- ⑤ Consult factory for all BAA/TAA/BABA requests
- ⑥ Consult factory
- ⑦ Max mA 1050



701 Kingshill Place, Carson, CA 90746
P: (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

ELECTRICAL

- 120-277 Volts (UNV) or 347-480 Volts (HV)
- 0-10V dimming driver
- Driver power factor at maximum load is $\geq .95$, THD maximum load is 15%
- LED Drivers Ambient Temp. Min is -40°C and Ambient Temp. Max ranges from 50°C to 55°C and, in some cases, even higher. Consult the factory for revalidation by providing the fixture catalog string before quoting and specifying it.
- All drivers, controls, and sensors housed in enclosed IP65 compartment
- CRI 70, 80 or 90
- Color temperatures: Amber, 2700K, 3000K, 3500K, 4000K, 5000K
- Surge Protection: 20KVA supplied as standard.

CONSTRUCTION

- Die Cast Aluminum
- Internal cooling fins
- Corrosion resistant external hardware
- One-piece silicone gasket ensures IP66 seal for electronics compartment

OPTICS

Silicone optics high thermal stability and light output provide higher powered LEDs with minimized lumen depreciation. UV stability with scratch resistance increases exterior application durability. Silicone optics do not yellow, crack or brittle over time

CONTROL OPTIONS

- Controls Agnostic: Please contact factory for your preferred controls option. (nLight, NX, WaveLinX, Crestron, DMX/RDM, Synapse, Casambi, DALI II, Avi-On, or other control systems)

OPTIONS

- MARINE GRADE FINISH (MGF) - A multi-step process creating a protective finishing coat against harsh environments. Chemically washed in a 5-stage cleaning system. Pre-baked, Powder coated 3-5 mils of Zinc Rich Super Durable Polyester Primer. Oven Baked. Finished Powder Coating of Super Durable Polyester Powder Coat 3-5 mil thickness.
- House Side Shield (HSS) is designed for full property line cutoff.

FINISH

- 3-5 mils electrostatic powder coat.
- NLS Lighting standard high-quality finishes prevent corrosion, and protects against extreme environmental conditions.

WARRANTY

Five-year limited warranty for drivers and LEDs.
Consult Factory for 7 or 10 year warranty

LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- IP66 Rated Fixture
- IP67 Rated Optics
- IK10 Rated

BUY AMERICAN OPTION

While all of the NLS Lighting products listed in this document qualify for the Buy America(n) Act of 1933, we reserve the right to change our listings without notice.

The information provided above is for general informational purposes only. We encourage you to consult legal professionals for advice particular to your projects concerning BAA, TAA, BABA or Buy America.

Additional NLS Products that meet BAA, TAA standards can be found at the following link:

<https://nlsighting.com/buy-american/>



The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.

NLS
LIGHTING

701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

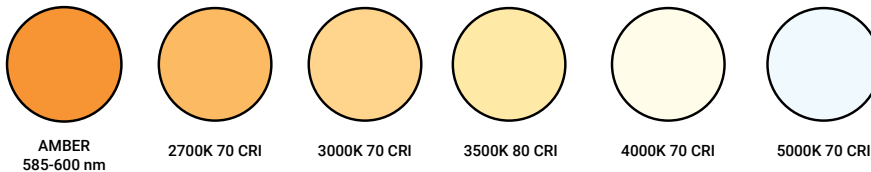
nlsighting.com

PRODUCT SPECIFICATIONS

LUMEN CHART									
Part Number	T2	LM/W	T3	LM/W	T4	LM/W	T5	LM/W	WATTS
ORX-B-16L-350-27K7	1462	81	1473	82	1452	81	1256	70	18
ORX-B-16L-350-27K8	1369	76	1379	77	1360	76	1176	65	18
ORX-B-16L-350-30K8	1468	82	1478	82	1458	81	1261	70	18
ORX-B-16L-350-30K7	1581	88	1592	88	1570	87	1358	75	18
ORX-B-16L-350-35K8	1468	82	1478	82	1458	81	1261	70	18
ORX-B-16L-350-40K8	1581	88	1592	88	1570	87	1358	75	18
ORX-B-16L-350-40K7	1708	95	1720	96	1697	94	1467	82	18
ORX-B-16L-350-50K8	1581	88	1592	88	1570	87	1358	75	18
ORX-B-16L-350-50K7	1708	95	1720	96	1697	94	1467	82	18
ORX-B-16L-530-27K7	2214	79	2230	80	2199	79	1902	68	28
ORX-B-16L-530-27K8	2073	74	2088	75	2059	74	1780	64	28
ORX-B-16L-530-30K8	2223	79	2239	80	2208	79	1909	68	28
ORX-B-16L-530-30K7	2394	85	2411	86	2378	85	2056	73	28
ORX-B-16L-530-35K8	2223	79	2239	80	2208	79	1909	68	28
ORX-B-16L-530-40K8	2394	85	2411	86	2378	85	2056	73	28
ORX-B-16L-530-40K7	2586	92	2605	93	2569	92	2221	79	28
ORX-B-16L-530-50K8	2394	85	2411	86	2378	85	2056	73	28
ORX-B-16L-530-50K7	2586	92	2605	93	2569	92	2221	79	28
ORX-B-16L-700-27K7	2924	79	2945	80	2905	79	2511	68	37
ORX-B-16L-700-27K8	2738	74	2758	75	2720	74	2352	64	37
ORX-B-16L-700-30K8	2935	79	2957	80	2916	79	2521	68	37
ORX-B-16L-700-30K7	3162	85	3184	86	3141	85	2715	73	37
ORX-B-16L-700-35K8	2935	79	2957	80	2916	79	2521	68	37
ORX-B-16L-700-40K8	3162	85	3184	86	3141	85	2715	73	37
ORX-B-16L-700-40K7	3416	92	3441	93	3393	92	2934	79	37
ORX-B-16L-700-50K8	3162	85	3184	86	3141	85	2715	73	37
ORX-B-16L-700-50K7	3416	92	3441	93	3393	92	2934	79	37
ORX-B-16L-1050-27K7	4386	80	4418	80	4357	79	3767	68	55
ORX-B-16L-1050-27K8	4107	75	4137	75	4080	74	3527	64	55
ORX-B-16L-1050-30K8	4403	80	4435	81	4374	80	3782	69	55
ORX-B-16L-1050-30K7	4742	86	4777	87	4711	86	4073	74	55
ORX-B-16L-1050-35K8	4403	80	4435	81	4374	80	3782	69	55
ORX-B-16L-1050-40K8	4742	86	4777	87	4711	86	4073	74	55
ORX-B-16L-1050-40K7	5124	93	5161	94	5090	93	4401	80	55
ORX-B-16L-1050-50K8	4742	86	4777	87	4711	86	4073	74	55
ORX-B-16L-1050-50K7	5124	93	5161	94	5090	93	4401	80	55

Lumen Maintenance Data							
Ambient Temperature	Drive Current	L90 Hours*	L70 Hours**	30,000 Hours*	50,000 Hours*	60,000 Hours*	100,000 Hours**
25°C	Up to 700mA	58,000	173,000	95.7%	91.6%	89.6%	82.1%
	1050mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%
*Reported extrapolations per IESNA TM-21				**Projected extrapolations per IESNA TM-21			

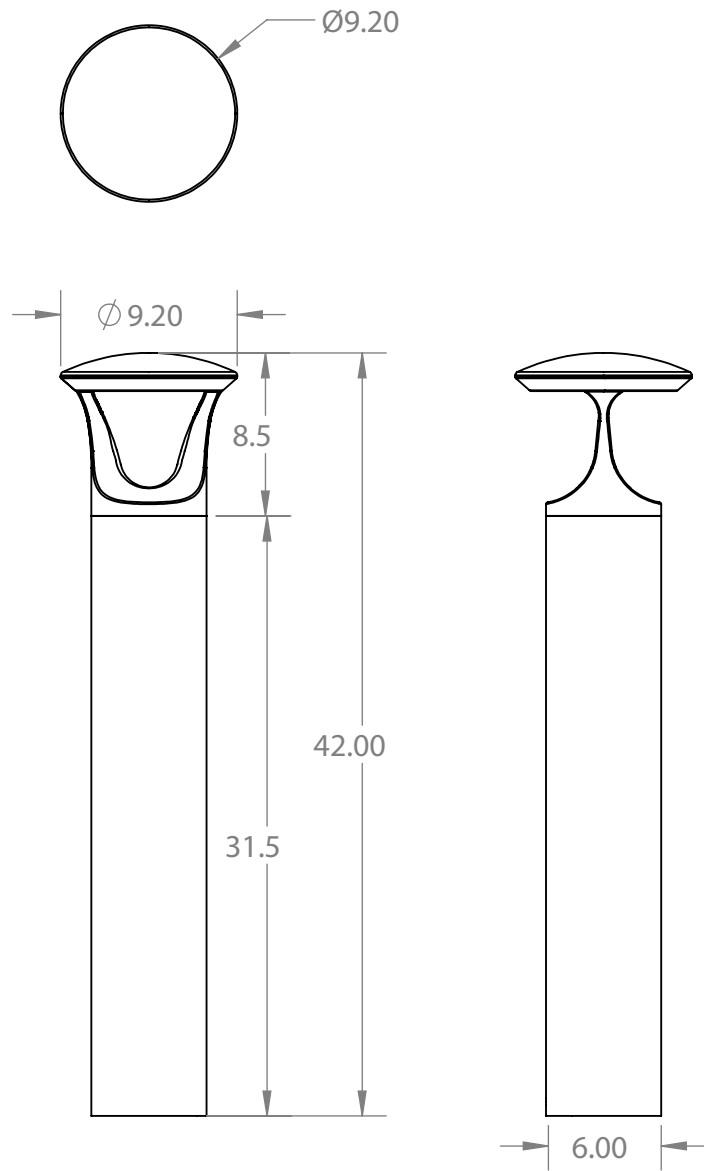
LED KELVIN RANGE



Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

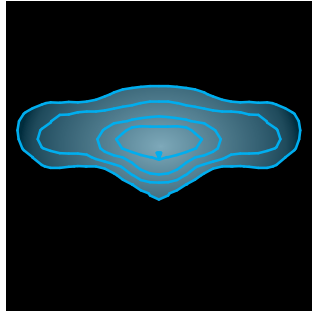
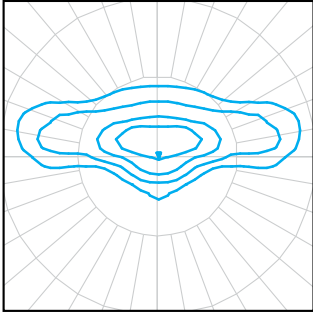
PRODUCT SPECIFICATIONS

MODEL	WIDTH	HEIGHT	WEIGHT
ORX-B	9.2"	42"	15 LBS



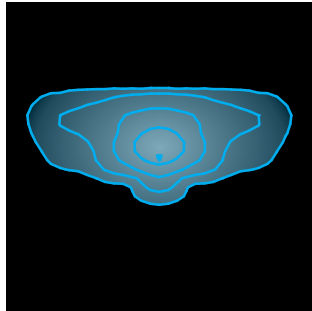
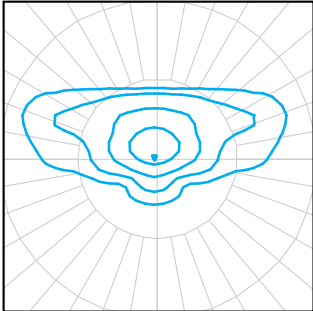
PRODUCT SPECIFICATIONS

IES DISTRIBUTIONS



T2 Optic

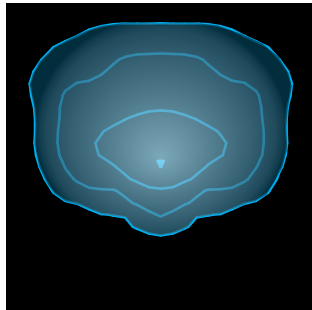
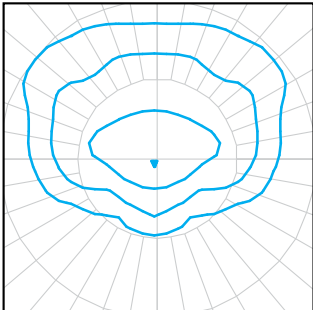
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



T3 Optic

The type III distribution is meant for roadway lighting, general parking areas and other areas where a larger area of lighting is required. Type III lighting needs to be placed to the side of the area, allowing the light to project outward and fill the area. This produces a filling light flow.

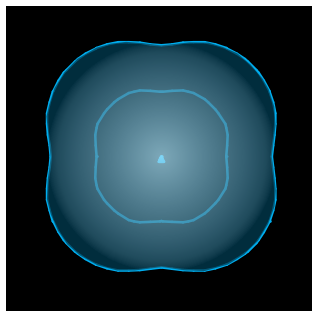
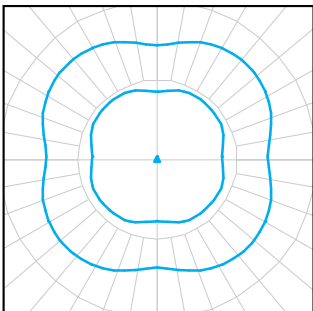
Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.



T4 Optic

The type IV distribution produces a semicircular light meant for mounting on the sides of buildings and walls. It's best for illuminating the perimeter of parking areas and businesses. The intensity of the Type IV lighting has the same intensity at angles from 90 degrees to 270 degrees.

Type IV light distributions have a preferred lateral width of 60 degrees. This distribution is intended for side-of-road mounting and is generally used on wide roadways where the roadway width does not exceed 3.7 times the mounting height.



T5 Optic - Symmetrical

Type V produces a symmetrical distribution that has the same intensity at all angles. This distribution has a uniform symmetry of candlepower that is essentially the same at all lateral angles. It is meant for large, commercial parking lot lighting as well as areas where sufficient, evenly distributed light is necessary

SILICONE OPTICS

NLS Lighting Silicone Micro Optical System technology takes quality and performance to the highest level. Vandal resistant, superior clarity—Micro Optics have become the best and lasting solution in the industry.

BENEFITS

- Produces superior 96% clarity
- Heat resistant to 150° C, 50% higher than acrylic
- Ecologically friendly—no glare
- Vandal-resistant
- Does not brittle, crack, or yellow over time

