



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, T4FTW, T5W
- 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 Agreement Act), or BABA (Build America, Buy America).



Project Name:

Type:

ORGANIX - BOLLARD ORDERING GUIDE

Cat#	Height	Light Dist.	# of LEDs	Miliamps	Kelvin
Organix - Bollard (ORX-B)	26" (26)	Type 2 (T2)	16 (16L)	400 (40)	Amber 585-600nm (AMBER) 4, 6, 7, 12
	36" (36)	Type 3 (T3)		530 (53)	2700K, 70 CRI (27K7) 12
	42" (42)	Type 4 (T4)		700 (7)	2700K, 80 CRI (27K8) 1, 12
		Type 4 Forward Throw Wide (T4FTW)		1050 (1)	3000K, 70 CRI (30K7) 12
		Type 5 (T5)			3000K, 80 CRI (30K8) 1, 12
		Type 5 Wide (T5W)			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	Controls 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) 15
347-480 (HV)		White Textured (WHT)	Microwave Motion Sensor (MMS) 6, 9	Emergency Battery Back-Up 4 W (EM4) 2	Diffused Polycarbonate Visual Comfort Lens (DPCL) 6, 15
		Smooth White Gloss (SWT)	Microwave Motion Sensor Custom Setting (MMS-CST) 6	Emergency Battery Back-Up 8 W (EM8) 2	HAL Lens (HAL) 13, 14, 15
		Silver Metallic (SVR)	Custom Controls Integration (CCI) 3	Vandal Resistant Base (VRB)	
		Black Textured (BLK)		House Side Shield (HSS) 8	
		Smooth Black Gloss (SBK)		Buy American Act (BAA) 5	
		Graphite Textured (GPH)		Trade Agreement Act (TAA) 5	
		Grey Textured (GRY)		Build America Buy American (BABA) 5	
		Green Textured (GRN)		GFI Kit (GFI) 10, 11	
		Hunter Green Textured (HGN)			
		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 for Lead Time
7. Not Available above 530mA
8. Not Available with Lens Options (VCA, VCS, DPCL, CTG)
9. MMS Setting - Occupancy: 100% Light Output. After 30 Min No Occupancy: 10% Light Output. For custom sensor settings, Please enter MMS-CST and Contact factory.
10. GFCI installed 12" from base, street side. Contact Factory for custom height.
11. 120V Only
12. 3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.
13. HAL Lens: Yellow Polycarbonate Lens - less than 2% Blue Light Content
14. Contact Factory
15. 700mA Max For Lens Options



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

nlsighting.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

- UL Listed in compliance with UL 1598, the Standard for Safety of Luminaires, including the applicable wet location requirements
- Compliant with UL 8750 LED driver design and test safety standards
- CSA C22.2 No. 250.0
- IP66 Rated Fixture
- IP67 Rated Optics
- IK10 Rated
- Dark Sky Certified, 3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

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://nslighting.com/buy-american/>

The ORX-B when tested without any arms or struts below the fixture aperture, results in 0 measured lumens of uplight above 90 degrees vertical. Any lumens affecting the "U" designation in the BUG Ratings in our standard IES files for the single or double arm post top fixtures, are the result of light bouncing off the support arms located below the fixture aperture. The amount of reflected light over 90 degrees vertical for this style of fixture, is typically between 0.5%-2% of the overall fixture lumens, depending on the fixture design.

Please note:

Manufacturers use different methodologies to evaluate "U0"/uplight. Some manufacturers follow a methodology of removing the data associated with the light reflected off the support arms from their IES test files and lumen charts, to show a "U0" BUG Rating. This practice is based on the view, that if the fixture itself is not directing any light out of the fixture at an angle over 90 degrees vertical, it is not necessary to show those lumen values in the IES files or lumen charts related to that product.

A value as low as 1 lumen of uplight over 90 degrees vertical, will result in a "U1" BUG Rating in an IES file. Our Post Top mounted fixtures are not directing any light out of the fixture at angles over 90 degrees vertical.

The lumen charts below have the data associated with light reflected off the support arms below the fixture aperture, removed from the data. We did test the fixtures without the support arms below the aperture. All of those tests came back U0. Therefore, the lumens and BUG Ratings in the Lumen Charts below are based on the light distribution as it is exiting the fixture, without taking the reflected light off the support arms into account.



3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.

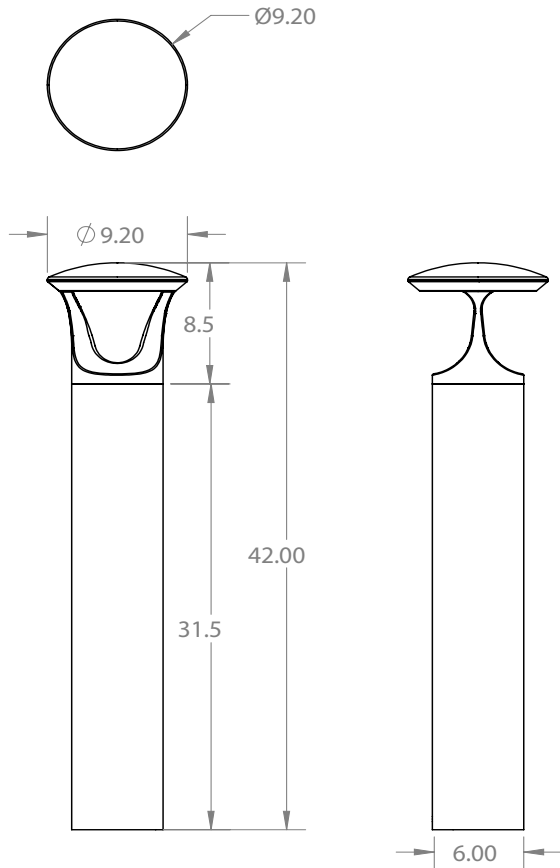
The information and specifications on this document are subject to change without any notification. All values are design, nominal, typical or prorated values when measured under internal and external laboratory conditions.



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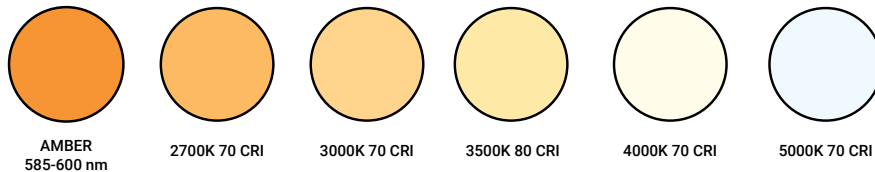
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PRODUCT SPECIFICATIONS



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

LED KELVIN RANGE



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

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			

PRODUCT SPECIFICATIONS

LUMEN CHARTS

LUMEN CHART - STANDARD SILICONE MICRO OPTICS									
PART NUMBER	T2	LPW	T3	LPW	T4	LPW	T5	LPW	WATTAGE
ORX-B-16L-40-27K7	1625	77	1639	78	1621	77	1405	67	21
ORX-B-16L-40-27K8	1521	72	1534	73	1518	72	1316	63	21
ORX-B-16L-40-30K7	1757	84	1772	84	1753	83	1519	72	21
ORX-B-16L-40-30K8	1631	78	1645	78	1628	78	1411	67	21
ORX-B-16L-40-35K8	1631	78	1645	78	1628	78	1411	67	21
ORX-B-16L-40-40K7	1898	90	1914	91	1894	90	1642	78	21
ORX-B-16L-40-40K8	1757	84	1772	84	1753	83	1519	72	21
ORX-B-16L-40-50K7	1898	90	1914	91	1894	90	1642	78	21
ORX-B-16L-40-50K8	1757	84	1772	84	1753	83	1519	72	21
ORX-B-16L-53-27K7	2153	77	2171	78	2149	77	1862	66	28
ORX-B-16L-53-27K8	2016	72	2033	73	2012	72	1743	62	28
ORX-B-16L-53-30K7	2328	83	2348	84	2323	83	2013	72	28
ORX-B-16L-53-30K8	2161	77	2180	78	2157	77	1869	67	28
ORX-B-16L-53-35K8	2161	77	2180	78	2157	77	1869	67	28
ORX-B-16L-53-40K7	2515	90	2537	91	2510	90	2175	78	28
ORX-B-16L-53-40K8	2328	83	2348	84	2323	83	2013	72	28
ORX-B-16L-53-50K7	2515	90	2537	91	2510	90	2175	78	28
ORX-B-16L-53-50K8	2328	83	2348	84	2323	83	2013	72	28
ORX-B-16L-70-27K7	2843	77	2868	78	2838	77	2459	66	37
ORX-B-16L-70-27K8	2662	72	2685	73	2657	72	2303	62	37
ORX-B-16L-70-30K7	3074	83	3101	84	3068	83	2659	72	37
ORX-B-16L-70-30K8	2854	77	2879	78	2849	77	2469	67	37
ORX-B-16L-70-35K8	2854	77	2879	78	2849	77	2469	67	37
ORX-B-16L-70-40K7	3322	90	3350	91	3315	90	2873	78	37
ORX-B-16L-70-40K8	3074	83	3101	84	3068	83	2659	72	37
ORX-B-16L-70-50K7	3322	90	3350	91	3315	90	2873	78	37
ORX-B-16L-70-50K8	3074	83	3101	84	3068	83	2659	72	37
ORX-B-16L-1-27K7	4265	78	4302	78	4256	77	3689	67	55
ORX-B-16L-1-27K8	3993	73	4028	73	3985	72	3454	63	55
ORX-B-16L-1-30K7	4611	84	4651	85	4602	84	3988	73	55
ORX-B-16L-1-30K8	4282	78	4318	79	4273	78	3703	67	55
ORX-B-16L-1-35K8	4282	78	4318	79	4273	78	3703	67	55
ORX-B-16L-1-40K7	4983	91	5025	91	4973	90	4309	78	55
ORX-B-16L-1-40K8	4611	84	4651	85	4602	84	3988	73	55
ORX-B-16L-1-50K7	4983	91	5025	91	4973	90	4309	78	55
ORX-B-16L-1-50K8	4611	84	4651	85	4602	84	3988	73	55

PRODUCT SPECIFICATIONS

LUMEN CHART - PERFORMANCE SILICONE MICRO OPTICS					
PART NUMBER	T4FTW	LPW	T5W	LPW	WATTAGE
ORX-B-16L-40-27K7	1887	90	2022	96	21
ORX-B-16L-40-27K8	1767	84	1893	90	21
ORX-B-16L-40-30K7	2041	97	2186	104	21
ORX-B-16L-40-30K8	1895	90	2030	97	21
ORX-B-16L-40-35K8	1895	90	2030	97	21
ORX-B-16L-40-40K7	2205	105	2362	112	21
ORX-B-16L-40-40K8	2041	97	2186	104	21
ORX-B-16L-40-50K7	2205	105	2362	112	21
ORX-B-16L-40-50K8	2041	97	2186	104	21
ORX-B-16L-53-27K7	2301	82	2815	101	28
ORX-B-16L-53-27K8	2155	77	2636	94	28
ORX-B-16L-53-30K7	2488	89	3044	109	28
ORX-B-16L-53-30K8	2311	83	2827	101	28
ORX-B-16L-53-35K8	2311	83	2827	101	28
ORX-B-16L-53-40K7	2688	96	3289	117	28
ORX-B-16L-53-40K8	2488	89	3044	109	28
ORX-B-16L-53-50K7	2688	96	3289	117	28
ORX-B-16L-53-50K8	2488	89	3044	109	28
ORX-B-16L-70-27K7	2681	74	3558	99	36
ORX-B-16L-70-27K8	2511	70	3332	93	36
ORX-B-16L-70-30K7	2899	81	3847	107	36
ORX-B-16L-70-30K8	2692	75	3573	99	36
ORX-B-16L-70-35K8	2692	75	3573	99	36
ORX-B-16L-70-40K7	3132	87	4157	115	36
ORX-B-16L-70-40K8	2899	81	3848	107	36
ORX-B-16L-70-50K7	3132	87	4157	115	36
ORX-B-16L-70-50K8	2899	81	3848	107	36
ORX-B-16L-1-27K7	4058	72	4941	88	56
ORX-B-16L-1-27K8	3800	68	4627	83	56
ORX-B-16L-1-30K7	4388	78	5342	95	56
ORX-B-16L-1-30K8	4075	73	4961	89	56
ORX-B-16L-1-35K8	4075	73	4961	89	56
ORX-B-16L-1-40K7	4741	85	5772	103	56
ORX-B-16L-1-40K8	4388	78	5343	95	56
ORX-B-16L-1-50K7	4741	85	5772	103	56
ORX-B-16L-1-50K8	4388	78	5343	95	56

PRODUCT SPECIFICATIONS

BUG RATING CHARTS

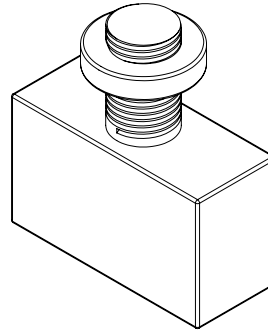
BUG RATING CHART - STANDARD SILICONE MICRO OPTICS				
PART NUMBER	T2	T3	T4	T5
ORX-B-16L-40-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-40-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-53-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-70-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-70-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-B-16L-70-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-70-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-70-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-70-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-70-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-70-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-70-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2
ORX-B-16L-1-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	B2-U0-G2

BUG RATING CHART - PERFORMANCE SILICONE MICRO OPTICS		
PART NUMBER	T4FTW	T5W
ORX-B-16L-40-27K7	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-27K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-30K7	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-30K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-35K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-40K7	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-40K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-50K7	B1-U0-G1	B2-U0-G2
ORX-B-16L-40-50K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-53-27K7	B1-U0-G1	B2-U0-G2
ORX-B-16L-53-27K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-53-30K7	B1-U0-G1	B2-U0-G2
ORX-B-16L-53-30K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-53-35K8	B1-U0-G1	B2-U0-G2
ORX-B-16L-53-40K7	B1-U0-G1	B3-U0-G3
ORX-B-16L-53-40K8	B1-U0-G1	B3-U0-G3
ORX-B-16L-53-50K7	B1-U0-G1	B3-U0-G3
ORX-B-16L-53-50K8	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-27K7	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-27K8	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-30K7	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-30K8	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-35K8	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-40K7	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-40K8	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-50K7	B1-U0-G1	B3-U0-G3
ORX-B-16L-70-50K8	B1-U0-G1	B3-U0-G3
ORX-B-16L-1-27K7	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-27K8	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-30K7	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-30K8	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-35K8	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-40K7	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-40K8	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-50K7	B1-U0-G2	B3-U0-G3
ORX-B-16L-1-50K8	B1-U0-G2	B3-U0-G3

PRODUCT SPECIFICATIONS

BUTTON PHOTOCELL

Photo Cell for dusk to dawn operation.



MARINE GRADE FINISH (MGF)

The **(MGF)** is a multi step process. 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.



Powder Coat Finish

3-5 mil Powder Coat

Primer Layer

3-5 mil Zinc Rich Super Durable Polyester Primer

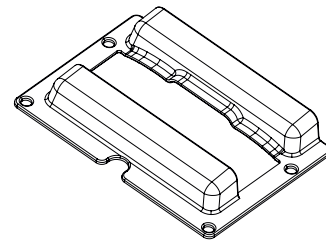
Prepared Casting

Chemically washed in multi Step 5 stage cleaning process

SHIELDING OPTIONS (HSS)

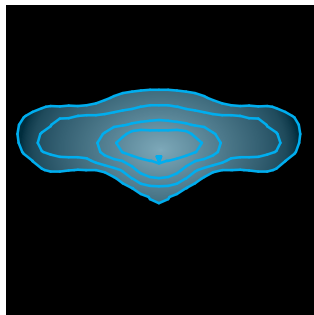
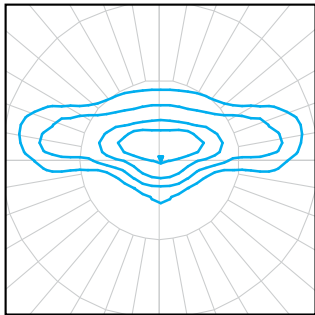
SHIELDS (HSS)—House Side Shield (HSS) is designed for full property line cut-off.

HOUSE SIDE SHIELD



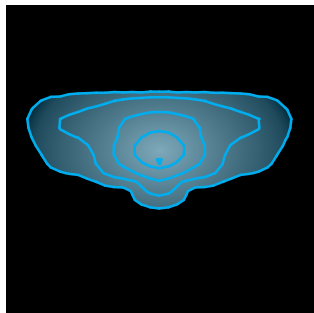
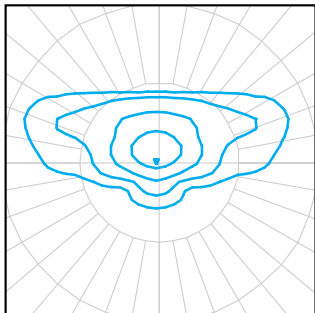
PRODUCT SPECIFICATIONS

IES DISTRIBUTIONS



T2 OPTIC

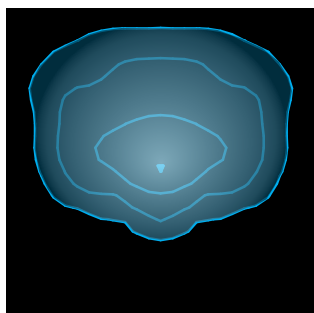
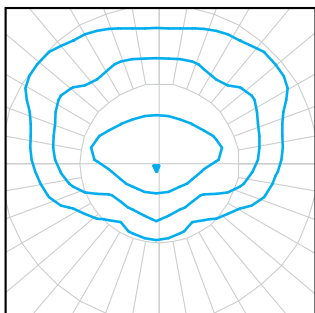
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



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.

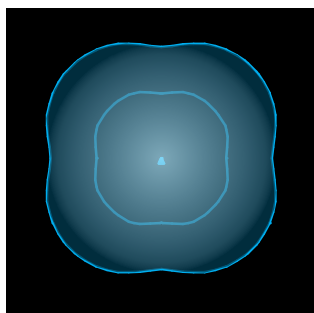
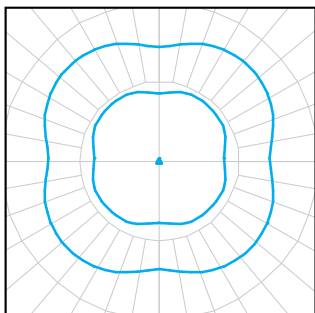
Type III light distributions have a preferred lateral width of 40 degrees. This distribution is intended for luminaires mounted at or near the side of medium width roadways or areas, where the width of the roadway or area does not exceed 2.75 times the mounting height.



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

