



LED WATTAGE CHART

Drive Current	16L	32L
400mA	18W (1576-2025 Lumens)	43W (3366-4051 Lumens)
530mA	28W (2386-2839 Lumens)	54W (5097-6134 Lumens)
700mA	37W (3366-3749 Lumens)	72W (6731-8102 Lumens)
850mA	55W (3827-4553 Lumens)	87W (8174-9838 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, T4FTW
- 0-10V Dimming Drivers THD @ Max Load < 15% Power factor @ Max Load < 0.95
- Amber, 2700K, 3000K, 3500K, 4000K, or 5000K
- 16L or 32L LED Configuration
- CRI 70, 80, or 90
- 5 Mils Powder Coat
- Up to 9,838 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 - WALL MOUNT ORDERING GUIDE

Cat#	Light Dist.	# of LEDs	Drive Current	Kelvin	Volts
Organix - Wall Mount (ORX-W)	Type 2 (T2)	16 (16L)	400 mA (40)	Amber 585-600nm (AMBER) 5, 7, 8, 12	120-277 (UNV)
	Type 3 (T3)	32 (32L)	530 mA (53)	2700K, 70 CRI (27K7) 8	
	Type 4 (T4)		700 mA (7)	2700K, 80 CRI (27K8) 1, 8	
	Type 4 Forward Throw Wide (T4FTW)		850 mA (85)	3000K, 70 CRI (30K7) 8	
				3000K, 80 CRI (30K8) 1, 8	
				3500K, 80 CRI (35K8)	
				4000K, 70 CRI (40K7)	
				4000K, 80 CRI (40K8) 1	
				5000K, 70 CRI (50K7)	
				5000K, 80 CRI (50K8) 1	
Mounting	Color	Controls Options	Options	Lens Options	
Wall Mount (WM)	Bronze Textured (BRZ)	Button Photocell (PC)	Marine Grade Finish (MGF)	Diffused Polycarbonate Visual Comfort Lens (DPCL) 13, 17	
	White Textured (WHT)	Nema 7-Pin Receptacle (PE7)	House Side Shield (HSS) 9	Clear Tempered Glass Lens (CTG) 13, 17	
	Smooth White Gloss (SWT)	FSP-211 with Motion Sensor/Photocell 8' and Below Heights (FSP211-8) 2, 10	Housing Extension (HE) 16	HAL Lens (HAL) 13, 14, 15, 17	
	Silver Metallic (SVR)		Emergency Battery 4W (EM4) 2		
	Black Textured (BLK)	9'-20' Heights (FSP211-20) 2, 10	Emergency Battery 8W (EM8) 2		
	Smooth Black Gloss (SBK)	21'-40' Heights (FSP211-40) 2, 10	Buy American Act (BAA) 5		
	Graphite Textured (GPH)	Custom Controls Integration (CCI) 3	Trade Agreement Act (TAA) 5		
	Grey Textured (GRY)	FSP Remote (FSIR) 11	Build America Buy American (BABA) 5		
	Green Textured (GRN)				
	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. Optional Lens Not Available					
7. Consult Factory for Lead Time					
8. 3000K or lower, with fixed mounting options only, must be selected to meet International Dark-Sky Association certification.					
9. Not Available with Lens Options (VCA, VCS, DPCL, CTG)					
10. FSP-211, 120V/277V, 230-240VAC (single phase), 50/60Hz					
11. Projects with sensors require Qty. 1 FSIR per project					
12. Not Available above 530mA					
13. Not Available with Motion Sensor					
14. HAL Lens: Yellow Polycarbonate Lens - less than 2% Blue Light Content					
15. Contact Factory					
16. Required for Conduit Entry					
17. 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)
- 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

- Button Type Photocell (PC)
- 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)
- **FSP-211 w/Motion Sensor/Photocell (120/277VAC, 230-240VAC)**
(FSP-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- **FSP-221 w/Motion Sensor/Photocell (100-347VAC, 208/230/480VAC)**
(FSP-HV-X) - Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
 - All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
 - FSP-8 mounting heights 8 feet and below
 - FSP-20 mounting heights 9-20 feet.
 - FSP-40 mounting heights 21-40 feet.
 - Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.
 - FSIR-100 commissioning remote is required to change sensor settings. Please contact factory for ordering.

OPTIONS

- BIRD SPIKES (BS) - Offer an effective and humane deterrent for larger bird species and provide a cost-effective long-term solution to nuisance bird infestations and to protect your property.
- 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/>



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.

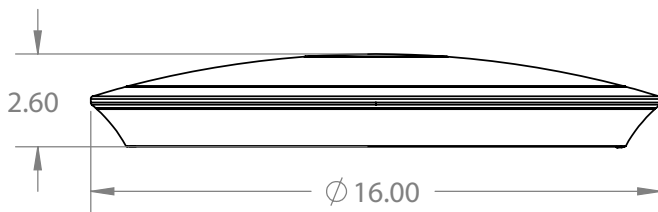
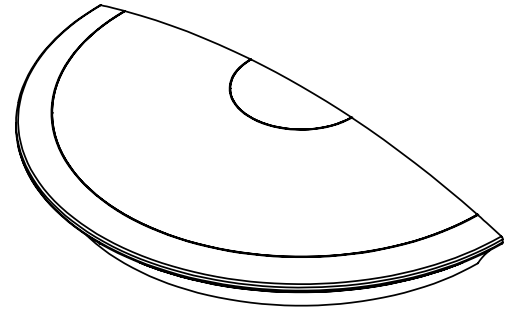
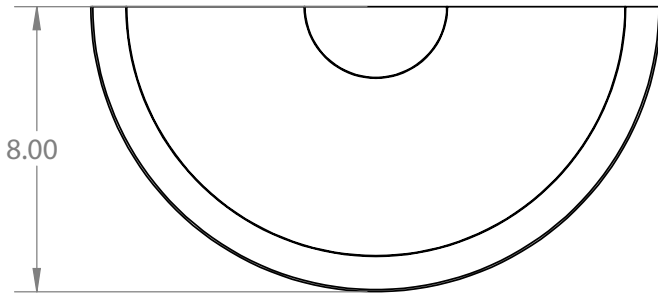


701 Kingshill Place, Carson, CA 90746
Call Us Today (310) 341-2037

nslighting.com

PRODUCT SPECIFICATIONS

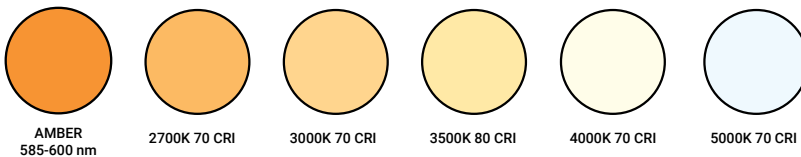
MODEL	WIDTH	HEIGHT	DEPTH	WEIGHT
ORX-W	16"	2.6"	8"	6 LBS



SCAN FOR INSTALLATION INSTRUCTIONS



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%
	850mA	48,000	143,000	94.3%	89.5%	87.2%	78.5%

*Reported extrapolations per IESNA TM-21

**Projected extrapolations per IESNA TM-21



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

nlsighting.com

PRODUCT SPECIFICATIONS

LUMEN CHARTS

ORX-W-16L

LUMEN CHART - STANDARD SILICONE MICRO OPTICS							
PART NUMBER	T2	LPW	T3	LPW	T4	LPW	WATTAGE
ORX-W-16L-40-27K7	1734	96	1693	94	1683	94	18
ORX-W-16L-40-27K8	1624	90	1585	88	1576	88	18
ORX-W-16L-40-30K7	1875	104	1830	102	1820	101	18
ORX-W-16L-40-30K8	1741	97	1699	94	1690	94	18
ORX-W-16L-40-35K8	1741	97	1699	94	1690	94	18
ORX-W-16L-40-40K7	2025	113	1977	110	1966	109	18
ORX-W-16L-40-40K8	1874	104	1830	102	1820	101	18
ORX-W-16L-40-50K7	2025	113	1977	110	1966	109	18
ORX-W-16L-40-50K8	1874	104	1830	102	1820	101	18
ORX-W-16L-53-27K7	2625	94	2563	92	2548	91	28
ORX-W-16L-53-27K8	2458	88	2400	86	2386	85	28
ORX-W-16L-53-30K7	2839	101	2771	99	2755	98	28
ORX-W-16L-53-30K8	2637	94	2573	92	2559	91	28
ORX-W-16L-53-35K8	2637	94	2573	92	2559	91	28
ORX-W-16L-53-40K7	3067	110	2994	107	2977	106	28
ORX-W-16L-53-40K8	2839	101	2771	99	2756	98	28
ORX-W-16L-53-50K7	3067	110	2994	107	2977	106	28
ORX-W-16L-53-50K8	2839	101	2771	99	2756	98	28
ORX-W-16L-7-27K7	3468	94	3385	91	3366	91	37
ORX-W-16L-7-27K8	3248	88	3170	86	3152	85	37
ORX-W-16L-7-30K7	3749	101	3660	99	3639	98	37
ORX-W-16L-7-30K8	3482	94	3399	92	3379	91	37
ORX-W-16L-7-35K8	3482	94	3399	92	3379	91	37
ORX-W-16L-7-40K7	4051	109	3955	107	3932	106	37
ORX-W-16L-7-40K8	3750	101	3661	99	3640	98	37
ORX-W-16L-7-50K7	4051	109	3955	107	3932	106	37
ORX-W-16L-7-50K8	3750	101	3661	99	3640	98	37
ORX-W-16L-85-27K7	4211	77	4110	75	4087	74	55
ORX-W-16L-85-27K8	3943	72	3849	70	3827	70	55
ORX-W-16L-85-30K7	4553	83	4444	81	4419	80	55
ORX-W-16L-85-30K8	4228	77	4127	75	4104	75	55
ORX-W-16L-85-35K8	4228	77	4127	75	4104	75	55
ORX-W-16L-85-40K7	4919	89	4802	87	4775	87	55
ORX-W-16L-85-40K8	4553	83	4445	81	4420	80	55
ORX-W-16L-85-50K7	4919	89	4802	87	4775	87	55
ORX-W-16L-85-50K8	4553	83	4445	81	4420	80	55

PRODUCT SPECIFICATIONS

ORX-W-16L

LUMEN CHART - PERFORMANCE SILICONE MICRO OPTICS					
PART NUMBER	T4FTW	LPW	T4FTW CTG	LPW	WATTAGE
ORX-W-16L-40-27K7	2355	112	2002	95	21
ORX-W-16L-40-27K8	2205	105	1875	89	21
ORX-W-16L-40-30K7	2546	121	2164	103	21
ORX-W-16L-40-30K8	2364	113	2010	96	21
ORX-W-16L-40-35K8	2364	113	2010	96	21
ORX-W-16L-40-40K7	2751	131	2338	111	21
ORX-W-16L-40-40K8	2546	121	2164	103	21
ORX-W-16L-40-50K7	2751	131	2338	111	21
ORX-W-16L-40-50K8	2546	121	2164	103	21
ORX-W-16L-53-27K7	2924	104	2485	89	28
ORX-W-16L-53-27K8	2738	98	2327	83	28
ORX-W-16L-53-30K7	3162	113	2687	96	28
ORX-W-16L-53-30K8	2936	105	2495	89	28
ORX-W-16L-53-35K8	2936	105	2495	89	28
ORX-W-16L-53-40K7	3416	122	2904	104	28
ORX-W-16L-53-40K8	3162	113	2688	96	28
ORX-W-16L-53-50K7	3416	122	2904	104	28
ORX-W-16L-53-50K8	3162	113	2688	96	28
ORX-W-16L-7-27K7	3579	97	3042	82	37
ORX-W-16L-7-27K8	3352	91	2849	77	37
ORX-W-16L-7-30K7	3870	105	3289	89	37
ORX-W-16L-7-30K8	3594	97	3054	83	37
ORX-W-16L-7-35K8	3594	97	3054	83	37
ORX-W-16L-7-40K7	4181	113	3554	96	37
ORX-W-16L-7-40K8	3870	105	3290	89	37
ORX-W-16L-7-50K7	4181	113	3554	96	37
ORX-W-16L-7-50K8	3870	105	3290	89	37
ORX-W-16L-1-27K7	5321	95	4523	81	56
ORX-W-16L-1-27K8	4983	89	4236	76	56
ORX-W-16L-1-30K7	5753	103	4890	87	56
ORX-W-16L-1-30K8	5343	95	4541	81	56
ORX-W-16L-1-35K8	5343	95	4541	81	56
ORX-W-16L-1-40K7	6216	111	5284	94	56
ORX-W-16L-1-40K8	5754	103	4891	87	56
ORX-W-16L-1-50K7	6216	111	5284	94	56
ORX-W-16L-1-50K8	5754	103	4891	87	56

PRODUCT SPECIFICATIONS

ORX-W-32L

LUMEN CHART - STANDARD SILICONE MICRO OPTICS							
PART NUMBER	T2	LPW	T3	LPW	T4	LPW	WATTAGE
ORX-W-32L-35-27K7	3468	96	3385	94	3366	94	36
ORX-W-32L-35-27K8	3248	90	3170	88	3152	88	36
ORX-W-32L-35-30K7	3749	104	3660	102	3639	101	36
ORX-W-32L-35-30K8	3482	97	3399	94	3379	94	36
ORX-W-32L-35-35K8	3482	97	3399	94	3379	94	36
ORX-W-32L-35-40K7	4051	113	3955	110	3932	109	36
ORX-W-32L-35-40K8	3750	104	3661	102	3640	101	36
ORX-W-32L-35-50K7	4051	113	3955	110	3932	109	36
ORX-W-32L-35-50K8	3750	104	3661	102	3640	101	36
ORX-W-32L-53-27K7	5251	97	5126	95	5097	94	54
ORX-W-32L-53-27K8	4917	91	4800	89	4773	88	54
ORX-W-32L-53-30K7	5677	105	5542	103	5511	102	54
ORX-W-32L-53-30K8	5272	98	5147	95	5118	95	54
ORX-W-32L-53-35K8	5272	98	5147	95	5118	95	54
ORX-W-32L-53-40K7	6134	114	5988	111	5954	110	54
ORX-W-32L-53-40K8	5678	105	5543	103	5511	102	54
ORX-W-32L-53-50K7	6134	114	5988	111	5954	110	54
ORX-W-32L-53-50K8	5678	105	5543	103	5511	102	54
ORX-W-32L-7-27K7	6935	96	6770	94	6731	93	72
ORX-W-32L-7-27K8	6494	90	6340	88	6303	88	72
ORX-W-32L-7-30K7	7498	104	7320	102	7278	101	72
ORX-W-32L-7-30K8	6963	97	6798	94	6759	94	72
ORX-W-32L-7-35K8	6963	97	6798	94	6759	94	72
ORX-W-32L-7-40K7	8102	113	7909	110	7864	109	72
ORX-W-32L-7-40K8	7499	104	7321	102	7279	101	72
ORX-W-32L-7-50K7	8102	113	7909	110	7864	109	72
ORX-W-32L-7-50K8	7499	104	7321	102	7279	101	72
ORX-W-32L-85-27K7	8421	97	8221	94	8174	94	87
ORX-W-32L-85-27K8	7886	91	7699	88	7655	88	87
ORX-W-32L-85-30K7	9105	105	8889	102	8838	102	87
ORX-W-32L-85-30K8	8456	97	8255	95	8208	94	87
ORX-W-32L-85-35K8	8456	97	8255	95	8208	94	87
ORX-W-32L-85-40K7	9838	113	9604	110	9549	110	87
ORX-W-32L-85-40K8	9106	105	8890	102	8839	102	87
ORX-W-32L-85-50K7	9838	113	9604	110	9549	110	87
ORX-W-32L-85-50K8	9106	105	8890	102	8839	102	87

PRODUCT SPECIFICATIONS

ORX-W-32L

LUMEN CHART - PERFORMANCE SILICONE MICRO OPTICS					
PART NUMBER	T4FTW	LPW	T4FTW CTG	LPW	WATTAGE
ORX-W-32L-40-27K7	4822	112	4099	95	43
ORX-W-32L-40-27K8	4516	105	3838	89	43
ORX-W-32L-40-30K7	5213	121	4431	103	43
ORX-W-32L-40-30K8	4841	113	4115	96	43
ORX-W-32L-40-35K8	4841	113	4115	96	43
ORX-W-32L-40-40K7	5633	131	4788	111	43
ORX-W-32L-40-40K8	5214	121	4432	103	43
ORX-W-32L-40-50K7	5633	131	4788	111	43
ORX-W-32L-40-50K8	5214	121	4432	103	43
ORX-W-32L-53-27K7	5639	104	4793	89	54
ORX-W-32L-53-27K8	5281	98	4488	83	54
ORX-W-32L-53-30K7	6097	113	5183	96	54
ORX-W-32L-53-30K8	5662	105	4813	89	54
ORX-W-32L-53-35K8	5662	105	4813	89	54
ORX-W-32L-53-40K7	6588	122	5600	104	54
ORX-W-32L-53-40K8	6098	113	5183	96	54
ORX-W-32L-53-50K7	6588	122	5600	104	54
ORX-W-32L-53-50K8	6098	113	5183	96	54
ORX-W-32L-7-27K7	6964	97	5920	82	72
ORX-W-32L-7-27K8	6521	91	5544	77	72
ORX-W-32L-7-30K7	7530	105	6400	89	72
ORX-W-32L-7-30K8	6993	97	5944	83	72
ORX-W-32L-7-35K8	6993	97	5944	83	72
ORX-W-32L-7-40K7	8136	113	6916	96	72
ORX-W-32L-7-40K8	7531	105	6402	89	72
ORX-W-32L-7-50K7	8136	113	6916	96	72
ORX-W-32L-7-50K8	7531	105	6402	89	72
ORX-W-32L-85-27K7	8091	95	6877	81	85
ORX-W-32L-85-27K8	7577	89	6440	76	85
ORX-W-32L-85-30K7	8748	103	7436	87	85
ORX-W-32L-85-30K8	8124	96	6906	81	85
ORX-W-32L-85-35K8	8124	96	6906	81	85
ORX-W-32L-85-40K7	9452	111	8034	95	85
ORX-W-32L-85-40K8	8749	103	7436	87	85
ORX-W-32L-85-50K7	9452	111	8034	95	85
ORX-W-32L-85-50K8	8749	103	7436	87	85

PRODUCT SPECIFICATIONS

BUG RATING CHARTS

ORX-W-16L

BUG RATING CHART - STANDARD SILICONE MICRO OPTICS			
PART NUMBER	T2	T3	T4
ORX-W-16L-40-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-40-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-53-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-7-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-16L-85-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1

BUG RATING CHART - PERFORMANCE SILICONE MICRO OPTICS		
PART NUMBER	T4FTW	T4FTW CTG
ORX-W-16L-40-27K7	B1-U0-G2	B1-U0-G1
ORX-W-16L-40-27K8	B1-U0-G2	B1-U0-G1
ORX-W-16L-40-30K7	B1-U0-G2	B1-U0-G1
ORX-W-16L-40-30K8	B1-U0-G2	B1-U0-G1
ORX-W-16L-40-35K8	B1-U0-G2	B1-U0-G1
ORX-W-16L-40-40K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-40-40K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-40-50K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-40-50K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-27K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-27K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-30K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-30K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-35K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-40K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-40K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-50K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-53-50K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-27K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-27K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-30K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-30K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-35K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-40K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-40K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-50K7	B1-U0-G2	B1-U0-G2
ORX-W-16L-7-50K8	B1-U0-G2	B1-U0-G2
ORX-W-16L-1-27K7	B1-U0-G3	B1-U0-G2
ORX-W-16L-1-27K8	B1-U0-G3	B1-U0-G2
ORX-W-16L-1-30K7	B1-U0-G3	B1-U0-G2
ORX-W-16L-1-30K8	B1-U0-G3	B1-U0-G2
ORX-W-16L-1-35K8	B1-U0-G3	B1-U0-G2
ORX-W-16L-1-40K7	B1-U0-G3	B1-U0-G3
ORX-W-16L-1-40K8	B1-U0-G3	B1-U0-G3
ORX-W-16L-1-50K7	B1-U0-G3	B1-U0-G3
ORX-W-16L-1-50K8	B1-U0-G3	B1-U0-G3

PRODUCT SPECIFICATIONS

ORX-W-32L

BUG RATING CHART - STANDARD SILICONE MICRO OPTICS			
PART NUMBER	T2	T3	T4
ORX-W-32L-35-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-35-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-53-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-53-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-53-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-53-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-53-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-53-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G2
ORX-W-32L-53-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-53-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G2
ORX-W-32L-53-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1
ORX-W-32L-7-27K7	B1-U0-G1	B2-U0-G2	B2-U0-G2
ORX-W-32L-7-27K8	B1-U0-G1	B2-U0-G2	B1-U0-G2
ORX-W-32L-7-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-7-30K8	B1-U0-G1	B2-U0-G2	B2-U0-G2
ORX-W-32L-7-35K8	B1-U0-G1	B2-U0-G2	B2-U0-G2
ORX-W-32L-7-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-7-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-7-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-7-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-27K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-27K8	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-30K8	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-35K8	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
ORX-W-32L-85-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2

BUG RATING CHART - PERFORMANCE SILICONE MICRO OPTICS		
PART NUMBER	T4FTW	T4FTW CTG
ORX-W-32L-40-27K7	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-27K8	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-30K7	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-30K8	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-35K8	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-40K7	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-40K8	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-50K7	B1-U0-G3	B1-U0-G2
ORX-W-32L-40-50K8	B1-U0-G3	B1-U0-G2
ORX-W-32L-53-27K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-27K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-30K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-30K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-35K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-40K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-40K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-50K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-53-50K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-27K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-27K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-30K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-30K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-35K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-40K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-40K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-50K7	B1-U0-G3	B1-U0-G3
ORX-W-32L-7-50K8	B1-U0-G3	B1-U0-G3
ORX-W-32L-85-27K7	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-27K8	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-30K7	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-30K8	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-35K8	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-40K7	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-40K8	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-50K7	B2-U0-G3	B1-U0-G3
ORX-W-32L-85-50K8	B2-U0-G3	B1-U0-G3

PRODUCT SPECIFICATIONS

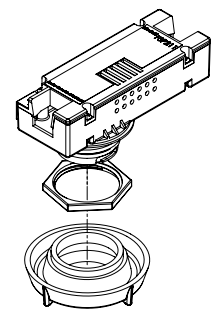
CONTROL OPTIONS

- DIMMING CONTROL (FSP)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

FSP-211 WITH MOTION SENSOR (FSP-XX)

- FSP-211(FSP-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 120/277VAC, 230-240VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

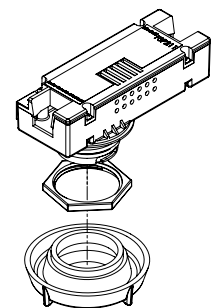
FSP-211



FSP-221 WITH MOTION SENSOR (FSP-HV-XX)

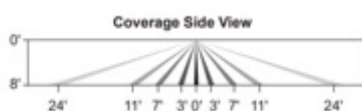
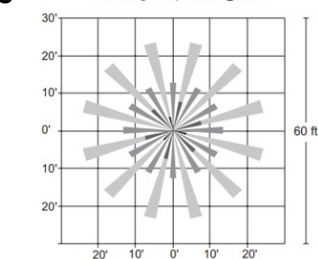
- FSP-221 (FSP-HV-X)—Passive infrared (PIR) sensor providing multi-level control based on motion/daylight contribution.
- 100-347VAC 208/230/480VAC
- All control parameters adjustable via wireless configuration remote storing and transmitting sensor profiles.
- FSP-8 mounting heights 8 feet and below
- FSP-20 mounting heights 9-20 feet.
- FSP-40 mounting heights 21-40 feet.
- Includes 5 dimming event cycles, 0-10V dimming with motion sensing, re-programmable in the field.

FSP-221



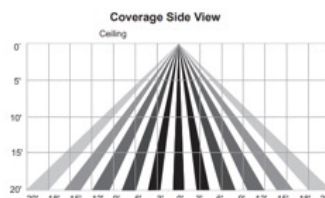
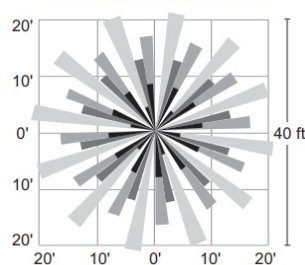
FSP-8

Coverage Top View @ 12ft.



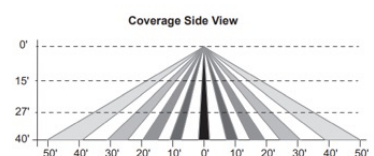
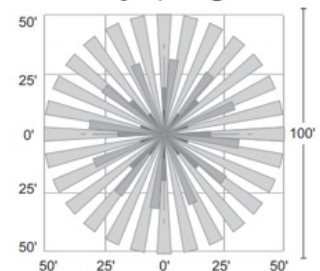
FSP-20

Coverage Top View @ 20 ft.



FSP-40

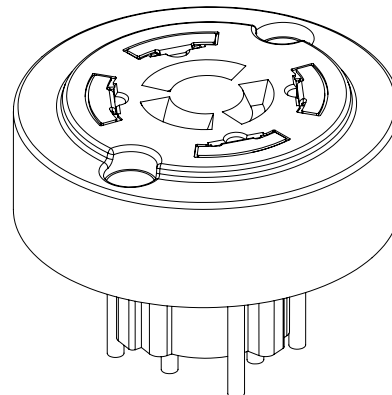
Coverage Top View @ 40ft



PRODUCT SPECIFICATIONS

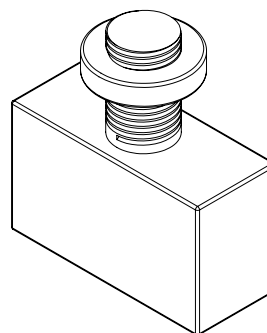
NEMA 7-PIN RECEPTACLE (PE7)

An ANSI C136.41-2013 receptacle provides electrical and mechanical interconnection between photo control cell and luminaire. Dimming receptacle available two or four dimming contacts supports 0-10 VDC dimming methods or Digital Addressable Lighting Interface (DALI), providing reliable power interconnect.



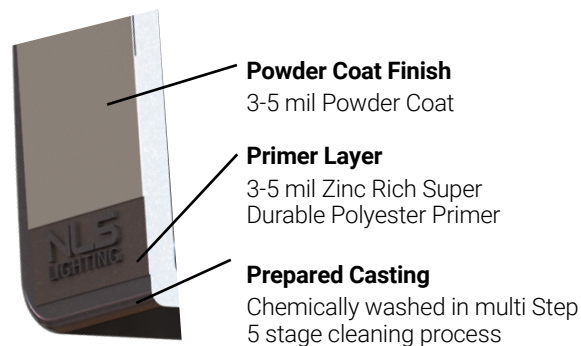
BUTTON PHOTOCELL

Photo Cell for dusk to dawn operation.



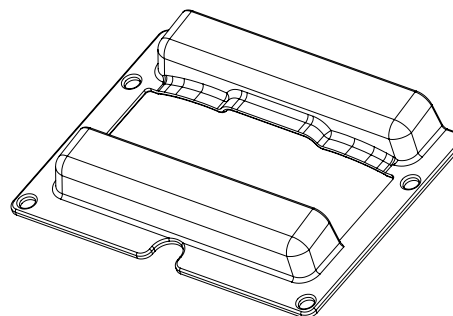
MARINE GRADE FINISH (MGF)

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.

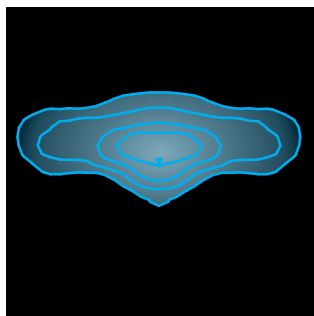
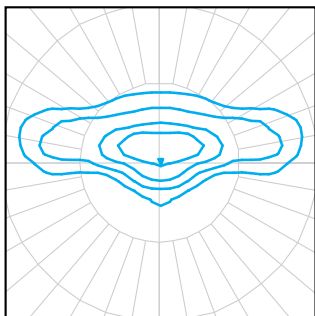


HOUSE SIDE SHIELD (HSS)

House Side Shield (HSS) is designed for stringent property line cutoff. Injection Molded Glass Filled Nylon, standard finish is black.

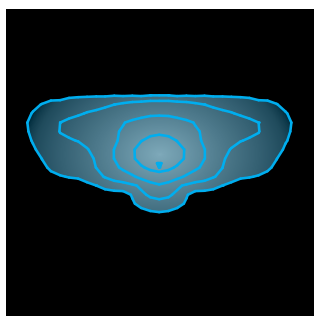
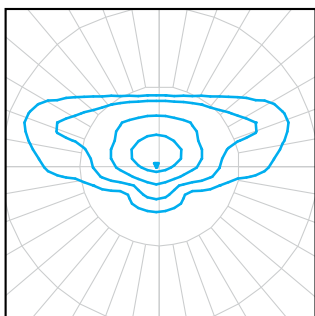


IES DISTRIBUTIONS



T2 OPTIC

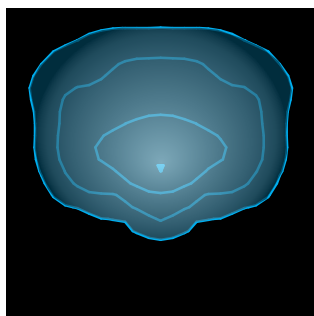
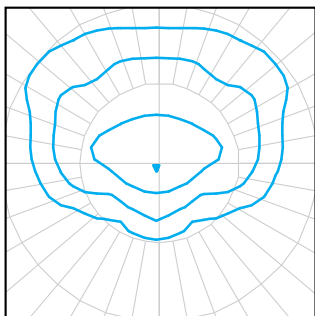
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



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.

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

