



LED WATTAGE CHART

Drive Current	16L	32L
425 milliamps	18W (3366-4051 Lumens)	43W (3366-4051 Lumens)
530 milliamps	28W (5097- 6134 Lumens)	54W (5097- 6134 Lumens)
700 milliamps	37W (6731-8102 Lumens)	72W (6731-8102 Lumens)
850 milliamps	55W (8174-9838 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
- 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 American Act), or BABA (Build America, Buy America).



Project Name:

Type:

ORGANIX - WALL MOUNT - ORDERING GUIDE

Cat#	Light Dist.	No. of LEDs	Milliamps	Kelvin Temp	Volts	
Organix - Wall Mount (ORX-W)	Type 2 (T2)	16 (16L) ^⑦	425 (42)	Amber 585-600nm (AMBER) ③④⑤	120-277 (UNV)	
	Type 3 (T3)	32 (32L)	530 (53)	2700K, 70 CRI (27K7)		
	Type 4 (T4)			700 (7)		2700K, 80 CRI (27K8) ①
				850 (85)		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

Mounting	Color	Control Options	Options	Lens Options
Wall Mount (WM)	Bronze Textured (BRZ)	Button Photocell (PC)	Marine Grade Finish (MGF)	Diffused Polycarbonate Visual Comfort Lens (DPCL)
	White Textured (WHT)	Nema 7-Pin Receptacle (PE7)	House Side Shield (HSS)	Clear Tempered Glass Lens (CTG)
	Smooth White Gloss (SWT)	FSP-211 with Motion Sensor (FSP-8) ②③ 8' Heights and Below (FSP-20) ②③ *9'-20" Heights (FSP-40) ②③ *21'-40" Heights	Housing Extension (HE)	Emergency Battery 4w (EM4) ②
	Silver Textured (SVR)		Emergency Battery 8w (EM8) ②	
	Black Textured (BLK)	Custom Controls Integration (CCI) ③	Buy American (BAA) ⑤	
	Smooth Black Gloss (SBK)		Trade American (TAA) ⑤	
	Graphite Textured (GPH)		Build America Buy American (BABA) ⑤	
	Grey (GRY)			
	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 Optional Lens Not Available
- ⑦ Contact Factory
- ⑧ Max mA 1050
- ⑨ Consult Factory

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)

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

- 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://nslighting.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

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PRODUCT SPECIFICATIONS

LUMEN CHART

Part Number	T2	LM/W	T3	LM/W	T4	LM/W	WATTS
ORX-W-16L-425-27K7	1734	96	1693	94	1683	93	18
ORX-W-16L-425-27K8	1623	90	1585	88	1576	88	18
ORX-W-16L-425-30K8	1741	97	1699	94	1689	94	18
ORX-W-16L-425-30K7	1875	104	1830	102	1820	101	18
ORX-W-16L-425-35K8	1741	97	1699	94	1689	94	18
ORX-W-16L-425-40K8	1875	104	1830	102	1820	101	18
ORX-W-16L-425-40K7	2025	113	1977	110	1966	109	18
ORX-W-16L-425-50K8	1875	104	1830	102	1820	101	18
ORX-W-16L-425-50K7	2025	113	1977	110	1966	109	18
ORX-W-16L-530-27K7	2625	94	2563	92	2548	91	28
ORX-W-16L-530-27K8	2458	88	2400	86	2386	85	28
ORX-W-16L-530-30K8	2636	94	2573	92	2558	91	28
ORX-W-16L-530-30K7	2839	101	2771	99	2755	98	28
ORX-W-16L-530-35K8	2636	94	2573	92	2558	91	28
ORX-W-16L-530-40K8	2839	101	2771	99	2755	98	28
ORX-W-16L-530-40K7	3067	110	2994	107	2977	106	28
ORX-W-16L-530-50K8	2839	101	2771	99	2755	98	28
ORX-W-16L-530-50K7	3067	110	2994	107	2977	106	28
ORX-W-16L-700-27K7	3468	94	3385	91	3366	91	37
ORX-W-16L-700-27K8	3247	88	3170	86	3151	85	37
ORX-W-16L-700-30K8	3481	94	3398	92	3379	91	37
ORX-W-16L-700-30K7	3749	101	3660	99	3639	98	37
ORX-W-16L-700-35K8	3481	94	3398	92	3379	91	37
ORX-W-16L-700-40K8	3749	101	3660	99	3639	98	37
ORX-W-16L-700-40K7	4051	109	3955	107	3932	106	37
ORX-W-16L-700-50K8	3749	101	3660	99	3639	98	37
ORX-W-16L-700-50K7	4051	109	3955	107	3932	106	37
ORX-W-16L-850-27K7	4211	77	4110	75	4087	74	55
ORX-W-16L-850-27K8	3943	72	3849	70	3827	70	55
ORX-W-16L-850-30K8	4227	77	4126	75	4103	75	55
ORX-W-16L-850-30K7	4553	83	4444	81	4419	80	55
ORX-W-16L-850-35K8	4227	77	4126	75	4103	75	55
ORX-W-16L-850-40K8	4553	83	4444	81	4419	80	55
ORX-W-16L-850-40K7	4919	89	4802	87	4775	87	55
ORX-W-16L-850-50K8	4553	83	4444	81	4419	80	55
ORX-W-16L-850-50K7	4919	89	4802	87	4775	87	55

B.U.G. CHART

Part Number	T2	T3	T4	WATTS
ORX-W-16L-425-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-425-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	18
ORX-W-16L-530-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-530-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	28
ORX-W-16L-700-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-700-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	37
ORX-W-16L-850-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	55
ORX-W-16L-850-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	55



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PRODUCT SPECIFICATIONS

LUMEN CHART

Part Number	T2	LM/W	T3	LM/W	T4	LM/W	WATTS
ORX-W-32L-425-27K7	3468	96	3385	94	3366	93	43
ORX-W-32L-425-27K8	3247	90	3170	88	3151	88	43
ORX-W-32L-425-30K8	3481	97	3398	94	3379	94	43
ORX-W-32L-425-30K7	3749	104	3660	102	3639	101	43
ORX-W-32L-425-35K8	3481	97	3398	94	3379	94	43
ORX-W-32L-425-40K8	3749	104	3660	102	3639	101	43
ORX-W-32L-425-40K7	4051	113	3955	110	3932	109	43
ORX-W-32L-425-50K8	3749	104	3660	102	3639	101	43
ORX-W-32L-425-50K7	4051	113	3955	110	3932	109	43
ORX-W-32L-530-27K7	5251	97	5126	95	5097	94	54
ORX-W-32L-530-27K8	4917	91	4800	89	4772	88	54
ORX-W-32L-530-30K8	5271	98	5146	95	5117	95	54
ORX-W-32L-530-30K7	5677	105	5542	103	5511	102	54
ORX-W-32L-530-35K8	5271	98	5146	95	5117	95	54
ORX-W-32L-530-40K8	5677	105	5542	103	5511	102	54
ORX-W-32L-530-40K7	6134	114	5988	111	5954	110	54
ORX-W-32L-530-50K8	5677	105	5542	103	5511	102	54
ORX-W-32L-530-50K7	6134	114	5988	111	5954	110	54
ORX-W-32L-700-27K7	6935	96	6770	94	6731	93	72
ORX-W-32L-700-27K8	6494	90	6339	88	6303	88	72
ORX-W-32L-700-30K8	6962	97	6797	94	6758	94	72
ORX-W-32L-700-30K7	7498	104	7320	102	7278	101	72
ORX-W-32L-700-35K8	6962	97	6797	94	6758	94	72
ORX-W-32L-700-40K8	7498	104	7320	102	7278	101	72
ORX-W-32L-700-40K7	8102	113	7909	110	7864	109	72
ORX-W-32L-700-50K8	7498	104	7320	102	7278	101	72
ORX-W-32L-700-50K7	8102	113	7909	110	7864	109	72
ORX-W-32L-850-27K7	8421	97	8221	94	8174	94	87
ORX-W-32L-850-27K8	7885	91	7698	88	7653	88	87
ORX-W-32L-850-30K8	8454	97	8253	95	8206	94	87
ORX-W-32L-850-30K7	9105	105	8889	102	8838	102	87
ORX-W-32L-850-35K8	8454	97	8253	95	8206	94	87
ORX-W-32L-850-40K8	9105	105	8889	102	8838	102	87
ORX-W-32L-850-40K7	9838	113	9604	110	9549	110	87
ORX-W-32L-850-50K8	9105	105	8889	102	8838	102	87
ORX-W-32L-850-50K7	9838	113	9604	110	9549	110	87

B.U.G. CHART

Part Number	T2	T3	T4	WATTS
ORX-W-32L-425-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-425-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	43
ORX-W-32L-530-27K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	54
ORX-W-32L-530-27K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	54
ORX-W-32L-530-30K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	54
ORX-W-32L-530-30K7	B1-U0-G1	B1-U0-G1	B1-U0-G1	54
ORX-W-32L-530-35K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	54
ORX-W-32L-530-40K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	54
ORX-W-32L-530-40K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	54
ORX-W-32L-530-50K8	B1-U0-G1	B1-U0-G1	B1-U0-G1	54
ORX-W-32L-530-50K7	B1-U0-G1	B1-U0-G1	B1-U0-G2	54
ORX-W-32L-700-27K7	B1-U0-G1	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-700-27K8	B1-U0-G1	B2-U0-G2	B1-U0-G2	72
ORX-W-32L-700-30K8	B1-U0-G1	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-700-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-700-35K8	B1-U0-G1	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-700-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-700-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-700-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-700-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	72
ORX-W-32L-850-27K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-27K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-30K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-35K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-40K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-50K8	B2-U0-G2	B2-U0-G2	B2-U0-G2	87
ORX-W-32L-850-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2	87

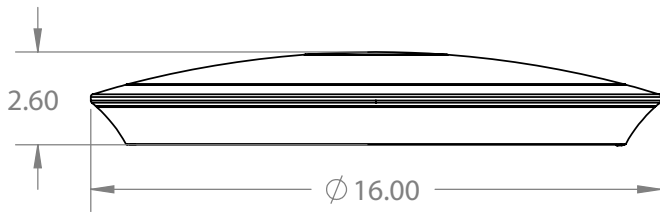
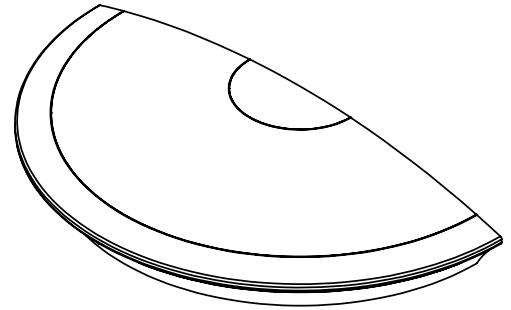
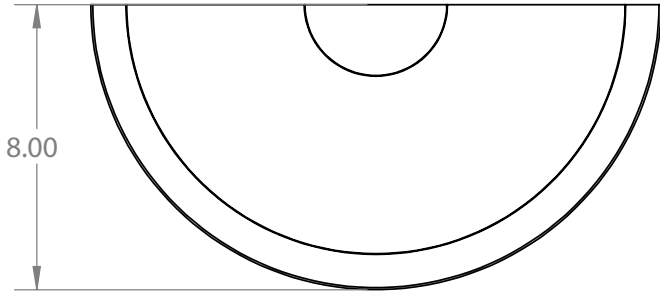


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PRODUCT SPECIFICATIONS

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

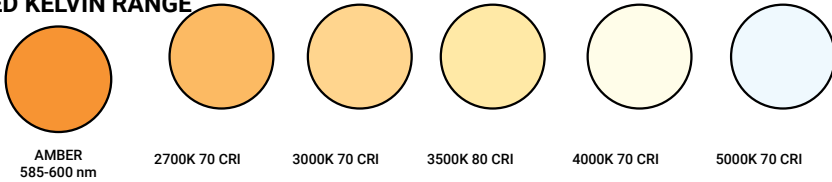


SCAN FOR INSTALLATION INSTRUCTIONS



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			

LED KELVIN RANGE



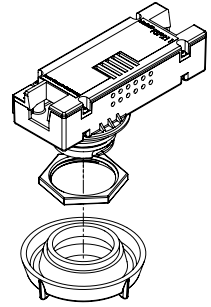
Color	Dominant or Peak Wavelength Range (nm)	
	Minimum	Maximum
Amber	585	600

PRODUCT SPECIFICATIONS

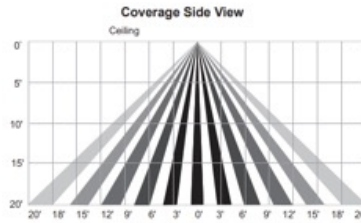
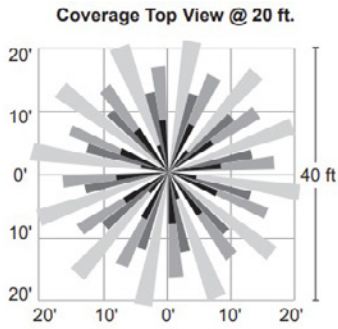
FSP-211 WITH MOTION SENSOR (FSP-XX)

- FSP-211 (FSP-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-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.

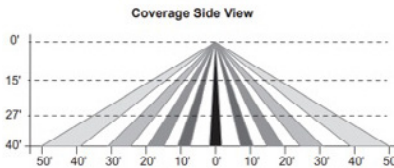
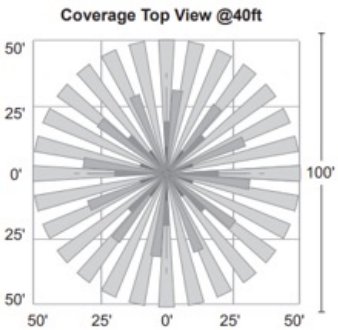
FSP-211



FSP-20



FSP-40

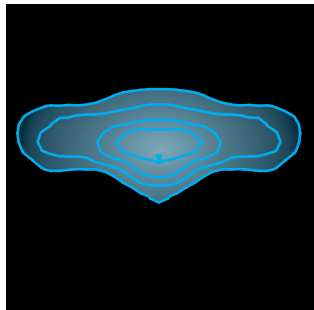
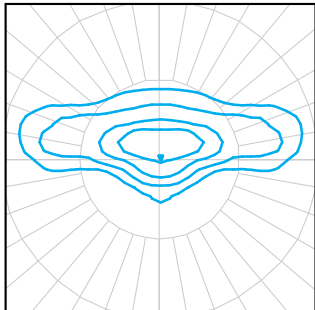


Sensor Specification



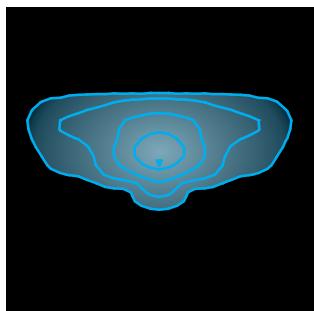
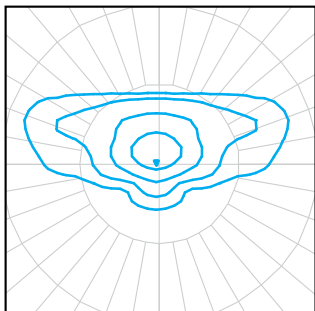
PRODUCT SPECIFICATIONS

IES DISTRIBUTIONS



T2 Optic

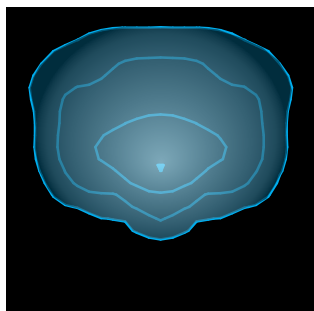
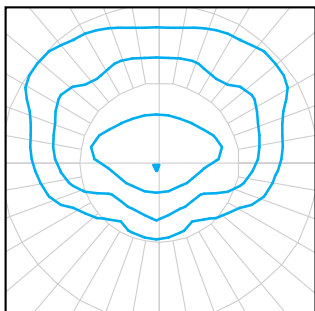
The Type II distribution is used for narrow pathways and trails, narrow entrances of shopping centers, parking lots and office complex's.



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.

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

