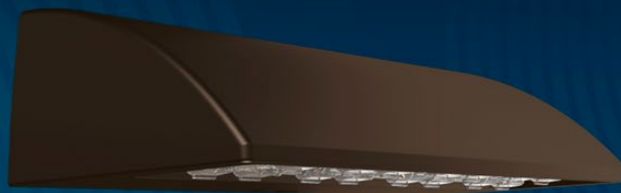


QUICKSHIPFLASH

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72HR
TURNAROUND



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LED WATTAGE CHART

	64L
350 milliamps	68W (T4FTW Only)
530 milliamps	99W
530 milliamps	103W (T4FTW Only)
700 milliamps	136W
1050 milliamps	205W

FORM AND FUNCTION

- Sleek, low profile housing
- Spec grade performance
- Engineered for optimum thermal management
- Environmentally Friendly Product Which Reduces Energy Consumption, L70 > 100,000 hours

CONSTRUCTION

- Die Cast Aluminum
- Corrosion resistant external hardware
- IP66 Rated Against Dust & Water Ingress, IK10 Rated for Tamper/Vandalism/Impact Protection
- Silicone Optics providing 96% Clarity and Heat Resistant up to 150°C
- Dark Sky Compliant

FINISH

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

WARRANTY

Five-year limited warranty for drivers and LEDs.

LISTINGS

- Certified to UL 1598
- UL 8750
- CSA C22.2 No. 250.0
- DesignLights Consortium® (DLC)
- DesignLights Consortium Premium® (DLCP)
- IP65/ IP67 Rated
- 3G Vibration Rated per ANSI C136.31-2010

Project Name:

Type:

FLX-NV-W2 ORDERING GUIDE

Cat#

Light Dist.

of LEDs

Drive Current

Kelvin

Volts

Ship Flex NV-W
(FLX-NV-W2)

Standard Silicone Micro Optics

Standard Configurations

Type 2
(T2)64 LED
(64L)530 mA
(53)3000K, 70 CRI
(30K) ¹120-277
(UNV)Type 3
(T3)700 mA
(7)4000K, 70 CRI
(40K)347-480
(HV)Type 4
(T4)1050 mA
(1)5000K, 70 CRI
(50K)

Performance Silicone Micro Optics

Standard Configurations

Type 4 Forward Throw Wide
(T4FTW)64 LED
(64L)530 mA
(53)700 mA
(7)1050 mA
(1)

* Performance Plus configurations with our New Performance Silicone Optics. (For the ultimate performance of the New Performance Silicone Optics combine highest chip count with High Efficacy Drive Currents)

Performance Plus Configurations

64 LED
(64L)350 mA
(35)

Mounting

Color

Controls Options

Options

Wall Mount
(WM)Bronze Textured
(BRZ)Nema 7-Pin Receptacle
(PE7)Housing Side Shield
(HSS)Black Textured
(BLK)Photocell + Receptacle
(PCR)Receptacle + Shorting Cap
(PER)FSP-211 with Motion
Sensor/Photocell
9'-20' Heights
(FSP211-20)21'-40' Heights
(FSP211-40)FSP211 Remote
(FSIR)

NOTES:

- 3000K or lower must be selected to meet International Dark Sky Association certification



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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%
- All internal wiring UL certified for 600 VAC and 105°C
- All drivers, controls, and sensors housed in enclosed IP65 compartment
- CRI >70
- Color temperatures: 3000K, 4000K, 5000K

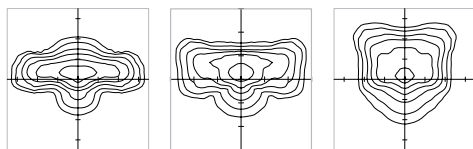
CONTROL OPTIONS

- **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.
 - 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. Programmable remote must be purchased separately.
- 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

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

- IES Types:



TYPE II (T2)

TYPE III (T3)

TYPE IV (T4)

MOTION SENSOR PLACEMENT



FINISH

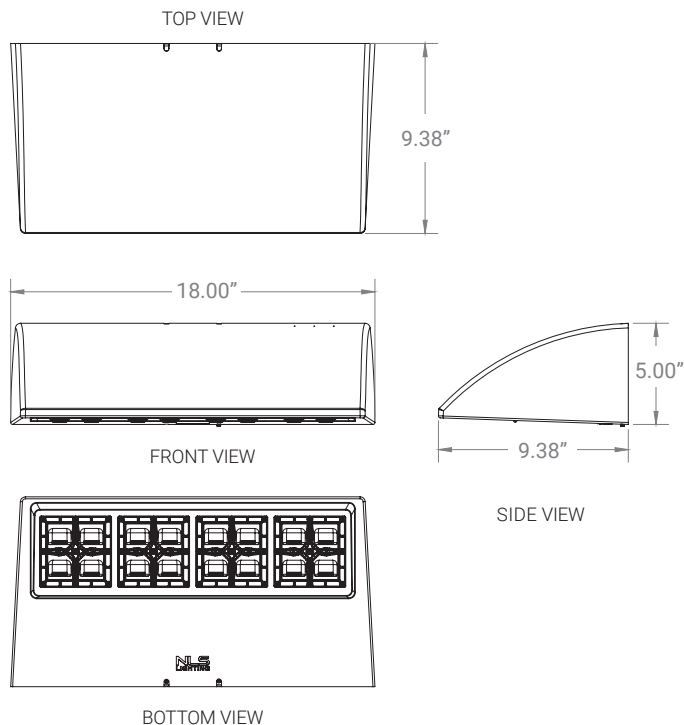
- 3-5 mils electrostatic powder coat.
- NLS Lighting's standard high-quality finishes prevent corrosion, and protects against extreme environmental conditions.

WARRANTY

Five-year limited warranty for drivers and LEDs.

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
- DesignLights Consortium® (DLC) Pending
- DesignLights Consortium Premium® (DLCP) Pending
- IP66 Rated Fixture / IP67 Rated Optics
- IK10 Rated
- IDA Dark Sky Approved



WEIGHT: 16 LBS



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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LIGHTING

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PRODUCT SPECIFICATIONS

LUMEN CHARTS

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED							
PART NUMBER	T2	LPW	T3	LPW	T4	LPW	Wattage
NV-W2-64L-53-30K7	10791	109	11215	113	10722	108	99
NV-W2-64L-53-40K7	11660	118	12118	122	11585	117	99
NV-W2-64L-53-50K7	11660	118	12118	122	11585	117	99
NV-W2-64L-7-30K7	14253	105	14812	109	14161	104	136
NV-W2-64L-7-40K7	15400	113	16005	118	15301	113	136
NV-W2-64L-7-50K7	15400	113	16005	118	15301	113	136
NV-W2-64L-1-30K7	21379	104	22218	108	21241	104	205
NV-W2-64L-1-40K7	23100	113	24007	117	22951	112	205
NV-W2-64L-1-50K7	23100	113	24007	117	22951	112	205

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED			
PART NUMBER	T4FTW	LPW	Wattage
NV-W2-64L-35-30K7	7890	116	68
NV-W2-64L-35-40K7	8092	119	68
NV-W2-64L-35-50K7	8092	119	68
NV-W2-64L-53-30K7	10946	106	103
NV-W2-64L-53-40K7	11227	109	103
NV-W2-64L-53-50K7	11227	109	103
NV-W2-64L-7-30K7	13417	97	139
NV-W2-64L-7-40K7	13761	99	139
NV-W2-64L-7-50K7	13761	99	139
NV-W2-64L-1-30K7	19089	95	201
NV-W2-64L-1-40K7	19578	97	201
NV-W2-64L-1-50K7	19578	97	201

BUG RATING CHARTS

STANDARD SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED			
PART NUMBER	T2	T3	T4
NV-W2-64L-53-30K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
NV-W2-64L-53-40K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
NV-W2-64L-53-50K7	B2-U0-G2	B2-U0-G2	B2-U0-G2
NV-W2-64L-7-30K7	B2-U0-G2	B3-U0-G3	B2-U0-G2
NV-W2-64L-7-40K7	B3-U0-G3	B3-U0-G3	B3-U0-G3
NV-W2-64L-7-50K7	B3-U0-G3	B3-U0-G3	B3-U0-G3
NV-W2-64L-1-30K7	B3-U0-G3	B3-U0-G3	B3-U0-G3
NV-W2-64L-1-40K7	B3-U0-G3	B3-U0-G3	B3-U0-G4
NV-W2-64L-1-50K7	B3-U0-G3	B3-U0-G3	B3-U0-G4

PERFORMANCE SILICONE MICRO OPTICS - NON-SHIELDED - 64 LED	
PART NUMBER	T4FTW
NV-W2-64L-35-30K7	B2-U0-G3
NV-W2-64L-35-40K7	B2-U0-G3
NV-W2-64L-35-50K7	B2-U0-G3
NV-W2-64L-53-30K7	B2-U0-G3
NV-W2-64L-53-40K7	B2-U0-G3
NV-W2-64L-53-50K7	B2-U0-G3
NV-W2-64L-7-30K7	B3-U0-G3
NV-W2-64L-7-40K7	B3-U0-G3
NV-W2-64L-7-50K7	B3-U0-G3
NV-W2-64L-1-30K7	B3-U0-G4
NV-W2-64L-1-40K7	B3-U0-G4
NV-W2-64L-1-50K7	B3-U0-G4

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			



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