



NL-UD



NL-UD With Optional Cover



NL-DN



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PROJECT
CATALOG #
TYPE
NOTES

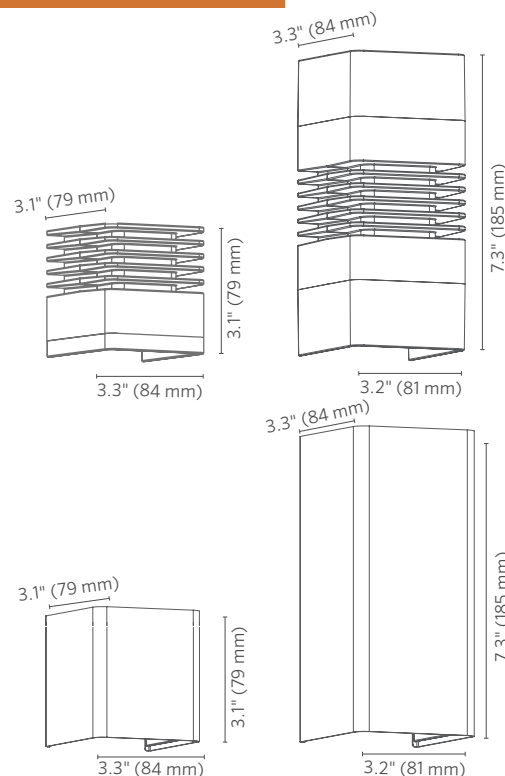
NL Down & Up/Down Light

DESIGNER PREMIUM

Wall-mounted, geometric square down light in 3, 6, or 9 LED. Available in aluminum or brass construction. RGBW option available for use with **Luxor**® lighting control systems.

Quick Facts

- Down or up/down configurations
- Die-cast aluminum or brass
- Natural, powder coat, or antique brass/copper finishes
- Cree® integrated LEDs
- Tamper-resistant features
- Color temperature filters
- Compatible with Luxor technology
- Phase and PWM dimmable
- Input voltage: 10-15V



NL Down Light SPECIFICATIONS

Output	3LED	3LEDT	6LED	9LED	ZDC
Total Lumens [†]	202	173	367	398	174
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W)	4.2	4.2	8.2	10	9.1
VA	4.5	4.5	9.7	10.7	11.0
Efficacy (Lumens/Watt)	52	47	44	47	33
Color Rendering Index (CRI)	80+	--	80+	80+	80+
Center Beam Candlepower*					
Spot (17-20)	975	630	2,022	2,276	198
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**	--
RGBW Available	No	No	No	No	Yes
Luxor Compatibility					
Default	Zoning		Zoning	Zoning	--
ZD Option	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	--
ZDC Option	--		--	--	Zoning/ Dimming/Color
Minimum Rated Life (L90/B10)	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs

NL Up/Down Light SPECIFICATIONS

Output	3LED	6LED	9LED	ZDC
Total Lumens [†]	385	788	1184	587
Input Voltage	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W)	8.3	16	23.5	22.5
VA	8.7	18.3	25.1	23.8
Efficacy (Lumens/Watt)	47	49	50	26
Color Rendering Index (CRI)	80+	80+	80+	80+
Center Beam Candlepower*				
Spot (17-20)	975	2,022	2,276	198
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**	--
RGBW Available	No	No	No	Yes
Luxor Compatibility				
Default	Zoning	Zoning	Zoning	--
ZD Option	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	--
ZDC Option	--	--	--	Zoning/Dimming/Color
Minimum Rated Life (L90/B10)	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs

* Information not available for Flood or Wide Flood.

** For optimal performance, use a trailing-edge, phase-cut dimmer.

† Measured using the 3,900K CCT lens. Multipliers for other CCTs include 0.80 (2,700K), 0.65 (4,500K), and 0.65 (5,200K).

‡ NL-DN only.

NL Down & Up/Down Light SPECIFICATIONS

FX Luminaire

FX Luminaire is an industry-leading manufacturer of landscape and architectural lighting products with a focus on the advancement of LED technology and digital lighting control with zoning, dimming, and color adjustment capabilities. We offer a full spectrum of specification-driven lighting fixtures that can be utilized to create elegant, cutting-edge landscape lighting systems for commercial or residential applications. Our products are available exclusively via our extensive professional distributor network.

Materials

Die-cast A380 aluminum or C360 brass housing and shroud with stainless steel set screws, mounting brackets, and fasteners.

Socket

Socket contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the fixture.

Lamp

Integrated module with Cree LEDs. Gold-plated connectors and conformal coated for maximum reliability and corrosion resistance. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 50,000 hrs. Maximum drive current: 1 A.

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300V; 10' (3 m) length.

Power

Input 10–15 VAC/VDC, 50/60 Hz. Remote transformer required (specify separately).

Housing

Die-cast A380 aluminum or C360 brass housing with capacity for 3LED, 6LED, 9LED, or ZDC integrated LEDs.

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Shroud

Die-cast C360 brass shroud with C110 copper cover option.

Optics

Polycarbonate color temperature adjustment lenses included with fixture: 2,700K (preinstalled), 3,900K (no lens), 4,500K, and 5,200K. Interchangeable optics for 10°, 20°, 30°-32°, or 55-58° distributions ordered preassembled to fixture. Color temperature and beam angle lenses field serviceable. For additional color filters, spread lenses, hex baffles, etc., use MR-16 sized accessories (MR-16: 1.95" (50 mm) dia. x 1.1 mm thickness). Beam angle is calculated using LM-79 method for SSL luminaires.

Lens

Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress.

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, selection of natural brass, or antiqued brass or copper finish. Antique finishes sealed with clear TGIC powder coat layer.

Hardware

Includes stainless steel mounting brackets for quick assembly. Tamper-resistant setscrew included.

Weight

3.9 lbs. (1.8 kg)

Installation Requirements

Designed for installation in the downward (NL-DN) and vertical (NL-UD) directions only.

Warranty

10-year limited warranty

Manufacturing

ISO 9001:2015 certified facility

Sustainability

Innovation meets conservation in the design and manufacturing of our products. Where we can, we use recycled materials while maintaining superior functionality. Our LED products provide high-quality light at optimal energy efficiency, lifespan, and durability.

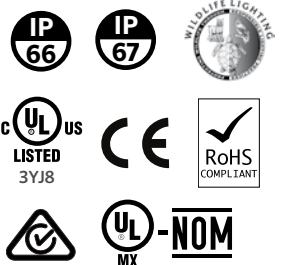
Wildlife-Friendly Lighting

When used with the 3LEDT Output (NL-DN only) option, this fixture is Wildlife Lighting Certified by the Florida Fish and Wildlife Conservation Commission.

International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-7 when used with custom installation kit ("WP-2G-NL-E-XX") accessory.

Listings



NL Down & Up/Down Light ORDERING INFORMATION

Fixture	Luxor Option	Output	Direction	Compliance	Cover	Finish
NL	■ [default] Zone	■ 3LED 202 Lumens	■ DN Down	■ [Default] UL Listed	■ [default] Standard Fins	■ BZ Bronze Metallic
	■ ZD Zone/Dim	■ 3LEDT** 173 Lumens, Wildlife- Friendly Amber (585-595 nm)	■ UD Up and Down	■ e CE Certified	■ CR Cover	■ DG Desert Granite
		■ 6LED 367 Lumens				■ WI Weathered Iron
		■ 9LED 398 Lumens				■ SB Sedona Brown
	■ ZDC Zone/ Dim/Color	■ [default] 174 Lumens				■ FB Black
						■ WG White Gloss
						■ FW Flat White
						■ AL Almond
						■ SV Silver
						■ BS [†] Natural Brass
					■ CU Natural Copper (Requires selection of copper sleeve)	
					■ CU-AT [‡] Antique Tumbled	
					■ CU-AB [‡] Antique Bronze	
					■ BS-AT [†] Antique Tumbled	
					■ BS-AB [†] Antique Bronze	

EXAMPLE FIXTURE CONFIGURATION: NL-ZD-3LED- CU-AB

NL - - - - - - -

** Available with ZD Luxor option, DN configuration, and CU, AB, or AT finishes only

† Available for NL Down Light only.


‡ Available for NL Down Light and NL Up/Down Light sleeve only.

NL Down & Up/Down Light ORDERING INFORMATION

MOUNTING OPTIONS: Specify Separately

Mounts	Code
■ CUSTOM INSTALLATION KIT <i>CE Certified</i>	WP-2G-NL-E-XX
■ WALL PLATE	WP-2G-NL-XX


LENS ACCESSORIES: Specify Separately

Item	Code	
■ HEX BAFFLE <i>MR-16 Size</i>	250015260000	
■ LINEAR SPREAD LENS <i>MR-16 Size</i>	250013550000	
■ SOLITE SPREAD LENS <i>MR-16 Size</i>	250015240000	

NL Down Light PHOTOMETRICS


NL-DN 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 17.9°	Horizontal 18.0°
2' (0.6 m)	244 fc (2,625 lx)	0.6' (0.2 m)	0.6' (0.2 m)
4' (1.2 m)	61 fc (657 lx)	1.3' (0.4 m)	1.3' (0.4 m)
6' (1.8 m)	27 fc (292 lx)	1.9' (0.6 m)	1.9' (0.6 m)
8' (2.4 m)	15 fc (164 lx)	3' (0.8 m)	3' (0.8 m)
10' (3.1 m)	10 fc (106 lx)	3' (0.8 m)	3' (0.8 m)




NL-DN 3LEDT Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 21.5°	Horizontal 21.5°
2' (0.6 m)	157 fc (1,690 lx)	0.8' (0.2 m)	0.8' (0.2 m)
4' (1.2 m)	39 fc (424 lx)	1.5' (0.5 m)	1.5' (0.5 m)
6' (1.8 m)	18 fc (188 lx)	2' (0.7 m)	2' (0.7 m)
8' (2.4 m)	10 fc (106 lx)	3' (0.8 m)	3' (0.8 m)
10' (3.1 m)	6 fc (68 lx)	4' (1.2 m)	4' (1.2 m)




NL-DN 6LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 16.7°	Horizontal 17.1°
2' (0.6 m)	506 fc (5,442 lx)	0.6' (0.2 m)	0.6' (0.2 m)
4' (1.2 m)	126 fc (1,356 lx)	1.2' (0.4 m)	1.2' (0.4 m)
6' (1.8 m)	56 fc (603 lx)	1.8' (0.6 m)	1.8' (0.6 m)
8' (2.4 m)	32 fc (345 lx)	2' (0.7 m)	2' (0.7 m)
10' (3.1 m)	20 fc (215 lx)	3' (0.8 m)	3' (0.8 m)




NL-DN 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 16.6°	Horizontal 16.1°
2' (0.6 m)	569 fc (6,125 lx)	0.6' (0.2 m)	0.6' (0.2 m)
4' (1.2 m)	142 fc (1,531 lx)	1.2' (0.4 m)	1.1' (0.3 m)
6' (1.8 m)	63 fc (680 lx)	1.7' (0.5 m)	1.7' (0.5 m)
8' (2.4 m)	36 fc (383 lx)	2' (0.7 m)	2' (0.7 m)
10' (3.1 m)	23 fc (245 lx)	3' (0.9 m)	3' (0.9 m)



NL-DN zDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candles (Lux)	Vertical 49.6°
2' (0.6 m)	22 fc (231 lx)	3' (0.9 m)
4' (1.2 m)	6 fc (61 lx)	6' (2 m)
6' (1.8 m)	2 fc (21 lx)	10' (3 m)
8' (2.4 m)	1 fc (12 lx)	13' (4 m)
10' (3.1 m)	0.7 fc (8 lx)	16' (5 m)



NL Up/Down Light PHOTOMETRICS

<i>NL-UD</i> 3LED Illuminance at a Distance			
Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Horizontal 31.6°	
2' (0.6 m)	110 fc (1,184 lx)	1.1' (0.3 m)	
4' (1.2 m)	27 fc (295 lx)	2.3' (0.7 m)	
6' (1.8 m)	12 fc (131 lx)	3.4' (1.0 m)	
8' (2.4 m)	7 fc (74 lx)	5.7' (1.7 m)	
10' (3.1 m)	4 fc (47 lx)	6.8' (2.1 m)	

<i>NL-UD</i> 6LED Illuminance at a Distance			
Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Horizontal 31.8°	
2' (0.6 m)	233 fc (2,508 lx)	1.1' (0.3 m)	
4' (1.2 m)	58 fc (628 lx)	2.3' (0.7 m)	
6' (1.8 m)	26 fc (279 lx)	3.4' (1.0 m)	
8' (2.4 m)	15 fc (157 lx)	4.6' (1.4 m)	
10' (3.1 m)	9 fc (100 lx)	5.7' (1.7 m)	

<i>NL-UD</i> 9LED Illuminance at a Distance			
Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 30.0°	Horizontal 30.8°
2' (0.6 m)	345 fc (3,714 lx)	1.1' (0.3 m)	1.1' (0.3 m)
4' (1.2 m)	86 fc (929 lx)	2.1' (0.6 m)	2.2' (0.7 m)
6' (1.8 m)	38 fc (413 lx)	3.2' (1.0 m)	3.3' (1.0 m)
8' (2.4 m)	14 fc (149 lx)	4.3' (1.3 m)	4.4' (1.3 m)
10' (3.1 m)	10 fc (103 lx)	5.4' (1.7 m)	5.5' (1.7 m)

<i>NL-UD</i> zDC Illuminance at a Distance			
Feet (Meters)	Center Beam	Beam Width	
	Foot-Candles (Lux)	Vertical 49.4°	
2' (0.6 m)	88 fc (947 lx)	1.8' (0.6 m)	
4' (1.2 m)	22 fc (237 lx)	3.7' (1.1 m)	
6' (1.8 m)	10 fc (108 lx)	5.5' (1.7 m)	
8' (2.4 m)	6 fc (65 lx)	7.4' (2.3 m)	
10' (3.1 m)	0.7 fc (8 lx)	9.2' (2.8 m)	

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