

NL Down & Up/Down Light

DESIGNER PREMIUM



PROJECT

CATALOG #

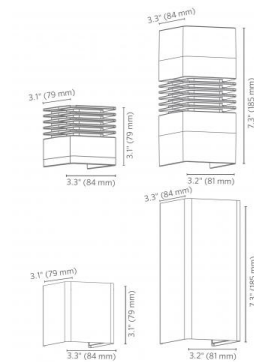
TYPE

NOTES

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



NL Down & Up/Down Light SPECIFICATIONS

Number of LEDs	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

Number of LEDs	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 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.

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.

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.

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.

Wiring

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

Sockets

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

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

Shroud

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

Weight

3.9 lbs. (1.8 kg)

Lens

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

International Compliance

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

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

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.

Installation Requirements

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

Warranty

Listings



NL Down & Up/Down Light ORDERING INFORMATION

Fixture		Luxor Option	Lamp	Compliance	Direction	Cover	Finish
NL	[default]		3 LED 4.2W/4.5VA	CE	DN Down	[default] Standard Fins	BSAB Antique Bronze on Brass
	ZD		3 LEDT** Wildlife-Friendly Amber (585- 595 nm)	Dark Sky	UD Up and Down (doubles the wattage/VA)	CR Cover	BSAT Antique Tumbled on Brass
	ZDC		6 LED 8.2W/9.7VA	ULNorth America (UL- listed)			CUAB Antique Bronze on Copper
			9 LED 10.0W/10.7VA	Wildlife-Friendly			CUAT Antique Tumbled on Copper
		[default ZDC option]		9.1W/11.0VA			CU Copper
							BS Natural Brass
							BZ Bronze Metallic
						DG Desert Granite	
						WI Weathered Iron	
						SB Sedona Brown	
						FB Black	
						FW Flat White	
						SV Silver	



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

** 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 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-UD 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)

NL-UD 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)

NL-UD 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)

NL-UD 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)

NL Down & Up/Down Light ORDERING INFORMATION

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.	Mounts	Catalog No.
CE-Approved Wall Plate, 2-Gang, NL	WP-2G-NL-E-XX*	Double-Gang Wall Plate, NL	WP-2G-NL-XX*

NL Down & Up/Down Light ORDERING INFORMATION



LENS OPTIONS: Specify Separately


Lenses	Catalog No.
	250013550000 

Lenses	Catalog No.
	250015240000 

NL Down & Up/Down Light ORDERING INFORMATION


POWER OPTIONS: Specify Separately

Power	Catalog No.	
Plug-in transformer, 6W	MT-6W	
Lighting Fixture Surge Module	SURGE-MOD	

Power	Catalog No.	
Step Down Transformer, UV	ST-UV	

NL Down & Up/Down Light ORDERING INFORMATION

SPLICING OPTIONS: Specify Separately

Splicing	Catalog No.		Splicing	Catalog No.	
Wire Connectors, Brass Lug (2-pack)	WCHSBS2		Wire Connectors, Brass Lug (50 bulk)	WCHSBS50	