

NL Down & Up/Down Light

DESIGNER PREMIUM



PROJECT

CATALOG #

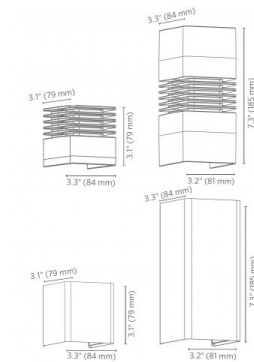
TYPE

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
- Phase and PWM dimmable
- Die-cast aluminum or brass
- Lumileds® Integrated LEDs
- Compatible with Luxor technology
- Input voltage: 10-15V



NL Down & Up/Down Light SPECIFICATIONS

Number of LEDs	3LED	3LEDT	6LED	9LED	ZDC
Total Lumens†	332	173	941	864	174
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W)	4.0	4.2	7.7	11.1	9.1
VA	4.4	4.5	9.3	12.2	11.0
Efficacy (Lumens/Watt)	83	47	82	76	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 L70 (Hrs)	72,000	72,000	72,000	72,000	55,000

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 L70 (Hrs)	72,000	72,000	72,000	55,000

* 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

FixtureLuxor Option Lamp			Compliance	Direction	Cover	Finish
NL	[default] Zone	3 LED 4.0W/4.4VA	[default] North America (UL-listed)	DN Down	[default] Standard Fins	BSAB Antique Bronze on Brass 
	ZD Zone/Dim	3 LEDT** Wildlife-Friendly Amber (585-595 nm)	e Int'l (CE Certified)	UD Up and Down (doubles the wattage/VA)	CR Cover	BSAT Antique Tumbled on Brass 
	ZDC Zone/Dim/Color	6 LED 7.7W/9.3VA				CUAB Antique Bronze on Copper 
		9 LED 11.1W/12.2VA				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-DN 3LED Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: 52.7 °	Horizontal: 52.6 °
4.0' (1.2 m)	22 fc (231 lx)	4.0 ft (1.2 m)	4.0 ft (1.2 m)
8.0' (2.4 m)	5.4 fc (58 lx)	7.9 ft (2.4 m)	7.9 ft (2.4 m)
12.0' (3.7 m)	2.4 fc (26 lx)	11.9 ft (3.6 m)	11.9 ft (3.6 m)
16.0' (4.9 m)	1.3 fc (14 lx)	15.8 ft (4.8 m)	15.8 ft (4.8 m)
20.0' (6.1 m)	0.9 fc (9 lx)	19.8 ft (6.0 m)	19.8 ft (6.0 m)
24.0' (7.3 m)	0.6 fc (6 lx)	23.8 ft (7.3 m)	23.7 ft (7.2 m)

NL-DN 3LEDT Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: °	Horizontal: °

NL-DN 6LED Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: 59.1 °	Horizontal: 48.2 °
4.0' (1.2 m)	29 fc (314 lx)	4.5 ft (1.4 m)	3.6 ft (1.1 m)
8.0' (2.4 m)	7.3 fc (79 lx)	9.1 ft (2.8 m)	7.2 ft (2.2 m)
12.0' (3.7 m)	3.2 fc (35 lx)	13.6 ft (4.1 m)	10.7 ft (3.3 m)
16.0' (4.9 m)	1.8 fc (20 lx)	18.1 ft (5.5 m)	14.3 ft (4.4 m)
20.0' (6.1 m)	1.2 fc (13 lx)	22.7 ft (6.9 m)	17.9 ft (5.5 m)
24.0' (7.3 m)	0.8 fc (9 lx)	27.2 ft (8.3 m)	21.5 ft (6.6 m)

NL-DN 9LED Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: 52.8 °	Horizontal: 51.2 °
4.0' (1.2 m)	57 fc (618 lx)	4.0 ft (1.2 m)	3.8 ft (1.2 m)
8.0' (2.4 m)	14 fc (155 lx)	7.9 ft (2.4 m)	7.7 ft (2.3 m)
12.0' (3.7 m)	6.4 fc (69 lx)	11.9 ft (3.6 m)	11.5 ft (3.5 m)
16.0' (4.9 m)	3.6 fc (39 lx)	15.9 ft (4.8 m)	15.3 ft (4.7 m)
20.0' (6.1 m)	2.3 fc (25 lx)	19.8 ft (6.0 m)	19.2 ft (5.9 m)
24.0' (7.3 m)	1.6 fc (17 lx)	23.8 ft (7.3 m)	23.0 ft (7.0 m)

NL-DN ZDC Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: 49.6 °	Horizontal: °
2.0' (0.6 m)	22 fc (231 lx)	3' (0.9 m)	
4.0' (1.2 m)	6 fc (61 lx)	6' (2 m)	
6.0' (1.8 m)	2 fc (21 lx)	10' (3 m)	
8.0' (2.4 m)	1 fc (12 lx)	13' (4 m)	

NL Down & Up/Down Light ORDERING INFORMATION

10.0' (3.1 m)	0.7 fc (8 lx)	NL-DN ZDC	16' (5 m)
Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: °	Horizontal: °

MOUNTING OPTIONS: Specify Separately

NL-UD 3LED Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: °	Horizontal: °

Mounts _____ Catalog No. _____

NL-UD 6LED Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: °	Horizontal: °

Mounts _____ Catalog No. _____



NL-UD 9LED Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: °	Horizontal: °

Double-Gang Wall Plate for the NL Wall Sconce  WP-2G-NL-XX* _____

NL-UD ZDC Illuminance at a Distance			
Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical: °	Horizontal: °



NL Down & Up/Down Light ORDERING INFORMATION

LENSE OPTIONS: Specify Separately

Lenses	Catalog No.		Lenses	Catalog No.	
Linear Spread Lens for MR-16 LED Lamps	250013550000		Solite Spread Lens for MR-16 LED Lamps	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.	
Brass Lug Wire Connectors, 2-pack	WCHSBS2		Brass Lug Wire Connectors, 50-item bulk pack	WCHSBS50	