



PROJECT

CATALOG #

TYPE

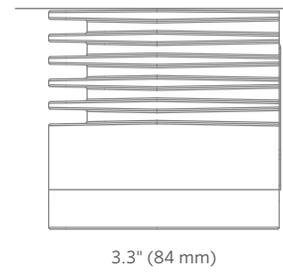
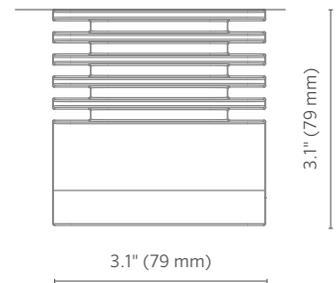
NOTES

NL Down Light DESIGNER PREMIUM

Wall-mounted square geometric down light in 1, 3, 6, or 9 LED. Available in brass and copper. An RGBW version is also available for use with **ZDC** systems.

Quick Facts

- Die-cast C360 brass
- Natural, powder coated, or antiqued brass 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	1LED	3LED	3LEDT	6LED	9LED	ZDC
Total Lumens[†]	66	202	173	367	398	174
Input Voltage	10 to 15V	11 to 15V				
Input Power (W)	2.0	4.2	4.2	10.1	11.2	9.1
VA	2.4	4.5	4.5	13.5	13.5	11.0
Efficacy (Lumens/Watt)	36	52	47	44	47	33
Color Rendering Index (CRI)	83	80	--	80	79	82
Center Beam Candlepower*						
Spot (17-20)	275	975	630	2,022	2,276	198
Dimming	PWM, Phase**	--				
RGBW Available	No	No	No	No	No	Yes
Luxor Compatibility						
Default	Zoning	Zoning	--	Zoning	Zoning	--
ZD Option	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	Zoning/ Dimming	--
ZDC Option	--	--	--	--	--	Zoning/ Dimming/Color
Minimum Rated Life (L70)	50,000 Hrs	50,000Hrs				

* 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).

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 highly efficient 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 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: 1A.

Wiring

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

Power

Input 10-15VAC/VDC 50/60Hz. Remote transformer required (specify eparately).

Housing

Die-cast C360 brass housing with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs.

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

Selection of natural brass, natural copper (with optional copper sleeve), or antiqued finish with brushed (Antique Bronze) or tumbled (Antique Tumbled) effect. Antique finishes sealed with a clear TGIC powder coat layer.

Hardware

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

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Weight

3.9 lbs. (1.8 kg)

Installation Requirements

Designed for installation in the downward lighting direction only.

Warranty

5-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 option, this fixture is Wildlife Lighting Certified by the Florida Fish and Wildlife Conservation Commission.

Listings



NL Down Light ORDERING INFORMATION

Fixture	Luxor Option	Output	Optics	Options	Finish	
NL	■ [default] Zone	■ 1LED 50 Lumens	■ SP 17°-20°	■ [default] Standard Ribs	■ BS Natural Brass	
	■ ZD Zone/Dim	■ 3LED 135 Lumens	■ FL 30°-32°	■ CU Copper Sleeve	■ BZ Bronze Metallic	
		■ 3LEDT** Wildlife-Friendly Amber (585-595 nm)	■ WF 56°-58°		■ DG Desert Granite	
		■ 6LED 280 Lumens			■ WI Weathered Iron	
		■ 9LED 360 Lumens			■ SB Sedona Brown	
		■ ZDC Zone/Dim/Color	■ [default] 110 Lumens	■ [default] 42°-44°	■ FB Black	
					■ WG White Gloss	
					■ FW Flat White	
					■ AL Almond	
					■ NP Nickel Plate	
					■ BS-AB Antique Bronze	
					■ BS-AT Antique Tumbled	
					■ [blank] Natural Copper <i>(Requires selection of copper sleeve)</i>	
				■ CU-AB Antique Bronze		
				■ CU-AT Antique Tumbled		

EXAMPLE FIXTURE CONFIGURATION: NL-8-ZD-3LED- SP-AB



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

LENS ACCESSORIES: Specify Separately

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

NL Down Light PHOTOMETRICS

NL 1LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (Lux)	Vertical 19.1°	Horizontal 18.5°
2' (0.6 m)	69 fc (740 lx)	0.7' (0.2 m)	0.7' (0.2 m)
4' (1.2 m)	17 fc (185 lx)	1.3' (0.4 m)	1.3' (0.4 m)
6' (1.8 m)	8 fc (82 lx)	2' (0.6 m)	2' (0.6 m)
8' (2.4 m)	4 fc (46 lx)	3' (0.9 m)	3' (0.9 m)
10' (3.1 m)	3 fc (29 lx)	3' (0.9 m)	3' (0.9 m)



NL 3LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (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)



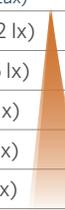
NL 3LEDT Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (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 6LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (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 9LED Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width	
	Foot-Candle (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 zDC Illuminance at a Distance

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (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)

