

CN-51 In-Grade STANDARD



PROJECT

CATALOG #

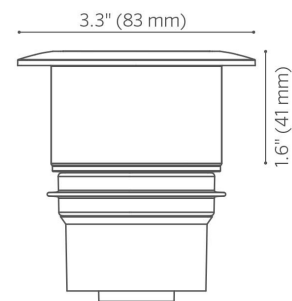
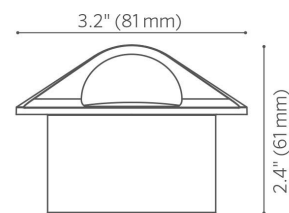
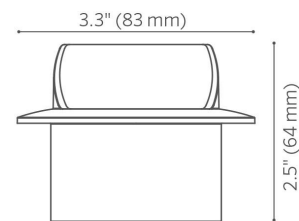
TYPE

NOTES

The elegant yet durable Cora CN-51 In-Grade is a perfect addition to lighting projects with modest budgets. Combining a corrosion-resistant brass construction with black oxide stainless steel hardware, this fixture is especially well-suited for coastal regions. As an excellent source of up lighting from a low-lying position, this fixture blends seamlessly with its surroundings, maintaining the natural beauty of the landscape.

Quick Facts

- Low-lying fixture blends seamlessly with the environment
- Solid brass construction and black oxide stainless steel hardware deliver strong corrosion resistance
- Antique bronze finish provides increased durability and elegant look
- Fully potted on the inside to prevent water intrusion in any orientation
- MR-16 LED lamp



CN-51 In-Grade SPECIFICATIONS

	Ring (RG)		Cowling (CW)		Round (RD)	
	ECO20WFL	ECO50WFL	ECO20WFL	ECO50WFL	ECO20WFL	ECO50WFL
Total Lumens (lm)	315	410	--	365	--	100
Input Voltage (VAC/VDC)	10 to 15	10 to 15	10 to 15	10 to 15	10 to 15	10 to 15
Power Consumption (VA)	6.2	9.2	6.2	9.2	6.2	9.2
Efficacy (lm/W)	85	84	--	76	--	21
CRI (Ra)	85+	85+	85+	85+	85+	85+
Maximum Candela (cd)						
Flood (35°)	758	1,124	788	1,062	271	344
Minimum Rated Life (L70)	30,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs	30,000 Hrs

About FX Luminaire

As a leading manufacturer of landscape and architectural lighting, FX Luminaire provides innovative products, resources, and support to help customers bring their visions to life. The company offers a range of specification-driven solutions, including fixtures, controls, and accessories, to enhance residential and commercial landscapes.

Materials

Brass fixture with black oxide stainless steel hardware

NEMA Type

4 H x 4 V (CW & RG); 4 H x 7 V (RD);

Dimming

Primary: Consult transformer specifications. Secondary: Luxor® control (with ZD lamp) or a trailing-edge (reverse phase-cut) dimmer

Adjustability

Fixed

Finish

Antique Bronze finish sealed with a clear TGIC powder-coat layer

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300 V; 10' (3 m) length, measured from the light aperture

Sockets

MR-16 GU5.3 socket with retaining clips. Ceramic socket base with heat-resistant contact pad. Stainless steel retaining clips ensure high spring force retention.

Weight

1.6 lb (0.7 kg)

Installation Accessories (Included)

None; purchase conduit separately.

Lens

OptiClear™ tempered glass for exceptional optical purity and load strength

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Input Voltage

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

Power Consumption

Specified power consumption indicates the full apparent power.

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 Hardware

Recommended core drill size: 3"

Housing Capacity

Standard MR-16 lamp

Installation Requirements

Designed for installation in in-grade (upward) or recessed, wall-mounted applications.

Lens Transparency

Clear

Manufacturing

ISO 9001:2015 certified facility

Warranty


Fixture: 10-year limited
Included Lamp: 3- or 5-year limited

Listings



CN-51 In-Grade ORDERING INFORMATION

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Fixture	Power	Style	Finish	Wire Lead
CN-51	ECO20WFL 6.0 VA, 2700K, 30° LED MR-16 lamp (Eco LED lamp series)	RG Ring	AB Antique Bronze	 [default] 10' (3 m) lead
	ECO50WFL 8.5 VA, 2700K, 30° LED MR-16 lamp (Eco LED lamp series)	RD Round		XL 26' (8 m) Lead
	LED20WFL 4.3 VA, 2700K, 35° LED MR-16 lamp (PRO lamp series)	CW Cowling		
	LED35WFL 8.5 VA, 2700K, 35° LED PAR-36 lamp (ECO lamp series)			
	LED50WFL 6.5 VA, 2700K, 35° LED MR-16 lamp (PRO lamp series)			
	ZD35WFL 5.4 VA, 2700K, 35° LED MR-16 lamp (ZD lamp series)			
	NL Lamp not included			

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CN51-XXXXXXXX-XX-AB

CN-51-ECO20WFL-RG-AB - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 32 °	Horizontal : 32 °
50' (15 m)	0.3 fc (3 lx)	29' (9 m)	29' (9 m)
40' (12 m)	0.5 fc (5 lx)	23' (7 m)	23' (7 m)
30' (9 m)	0.8 fc (9 lx)	17' (5 m)	17' (5 m)
20' (6 m)	1.9 fc (20 lx)	11' (3 m)	11' (3 m)
10' (3 m)	7.6 fc (82 lx)	6' (2 m)	6' (2 m)

CN-51-ECO20WFL-RD-AB - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 22 °	Horizontal : 32 °
10' (3 m)	0.02 fc (0 lx)	0.8' (0 m)	5.8' (2 m)
8' (2 m)	0.03 fc (0 lx)	1.5' (0 m)	4.7' (1 m)
6' (2 m)	0.06 fc (1 lx)	2.3' (1 m)	3.5' (1 m)
4' (1 m)	0.13 fc (1 lx)	3.1' (1 m)	2.3' (1 m)
2' (1 m)	0.5 fc (5 lx)	3.8' (1 m)	1.2' (0 m)

CN-51-ECO20WFL-CW-AB - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 32 °	Horizontal : 31 °
50' (15 m)	0.3 fc (3 lx)	28' (9 m)	28' (9 m)
40' (12 m)	0.5 fc (5 lx)	23' (7 m)	22' (7 m)
30' (9 m)	0.9 fc (10 lx)	17' (5 m)	17' (5 m)
20' (6 m)	2 fc (22 lx)	11' (3 m)	11' (3 m)
10' (3 m)	7.9 fc (85 lx)	6' (2 m)	6' (2 m)

CN-51-ECO50WFL-RG-AB - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 30 °	Horizontal : 30 °
50' (15 m)	0.5 fc (5 lx)	26' (8 m)	26' (8 m)
40' (12 m)	0.7 fc (8 lx)	21' (6 m)	21' (6 m)
30' (9 m)	1.3 fc (14 lx)	16' (5 m)	16' (5 m)
20' (6 m)	2.8 fc (30 lx)	11' (3 m)	11' (3 m)
10' (3 m)	11.2 fc (121 lx)	5' (2 m)	5' (2 m)

CN-51-ECO50WFL-RD-AB - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 22 °	Horizontal : 32 °
10' (3 m)	0.02 fc (0 lx)	0.8' (0 m)	5.7' (2 m)
8' (2 m)	0.03 fc (0 lx)	1.5' (0 m)	4.6' (1 m)
6' (2 m)	0.06 fc (1 lx)	2.3' (1 m)	3.4' (1 m)
4' (1 m)	0.13 fc (1 lx)	3.1' (1 m)	2.3' (1 m)
2' (1 m)	0.5 fc (5 lx)	3.8' (1 m)	1.1' (0 m)


CN-51-ECO50WFL-CW-AB - Illuminance at a Distance





Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 30 °	Horizontal : 30 °
50' (15 m)	0.4 fc (4 lx)	26' (8 m)	27' (8 m)
40' (12 m)	0.7 fc (8 lx)	21' (6 m)	21' (6 m)
30' (9 m)	1.2 fc (13 lx)	16' (5 m)	16' (5 m)
20' (6 m)	2.6 fc (28 lx)	11' (3 m)	11' (3 m)
10' (3 m)	10.4 fc (112 lx)	5' (2 m)	5' (2 m)

GLARE CONTROL: Specify Separately

















Glare Control	Catalog No.		Glare Control	Catalog No.	
Hex Baffle for MR-16 LED Lamps	250015260000		RecessorRing® Spacer for MR-16 LED Lamps	RR-MR16	

LENS OPTIONS: Specify Separately





Lenses	Catalog No.	
MR16 Linear Spread Lens	250013550000	
MR16 Foliage Enhancing Green Dichroic Lens	250015180000	
MR16 Color Softening Lens, +100K shift	250015200000	
MR16 Red Light Dichroic Lens	250015220000	
MR16 Solite Spread Lens	250015240000	

Lenses	Catalog No.	
Frosted Lens for MR-16 LED Lamps	250015170000	
MR16 Color Cooling Lens, +600K shift	250015190000	
MR16 Green Light Dichroic Lens	250015210000	
MR16 Color Warming Lens, -200K shift	250015230000	

POWER OPTIONS: Specify Separately

Power	Catalog No.		Power	Catalog No.	
Low-Voltage Dimmer	DIM-LV		DX Controller, 150 W, Matte Gray	DX150M	
DX Controller, 150 W, Stainless Steel	DX150SS		DX Controller, 300 W, Matte Gray	DX300M	
Luxor CUBE- Low-voltage	LCM-LV		Mini Plug-In Transformer, 30 W	MT-30W	
Plug-In Transformer, 6 W	MT-6W		PX Transformer photocell	PX-PC	
Plug-in 24VAC relay	PX-SYNC		Lighting transformer plug-in timer	PX-TIMER	
PX Transformer, 300 W	PX-300-SS		PX Transformer, 600 W	PX-600-SS	
PX Transformer, 900 W	PX-900-SS		Step-Down Transformer, Dimmable (120 V to 12 V)	ST-120-DIM	
Step-Down Transformer, UV (120/277 V to 12 V)	ST-UV		Surge Protection Module	SURGE-MOD	

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	
Heat Shrink Wire Connectors, 20-pack, Medium	WCHSMD20		Heat Shrink Wire Connectors, 20-pack, Small	WCHSSM20	
Ratcheting Crimper Tool	WCHSTOOL	