FXLuminaire®

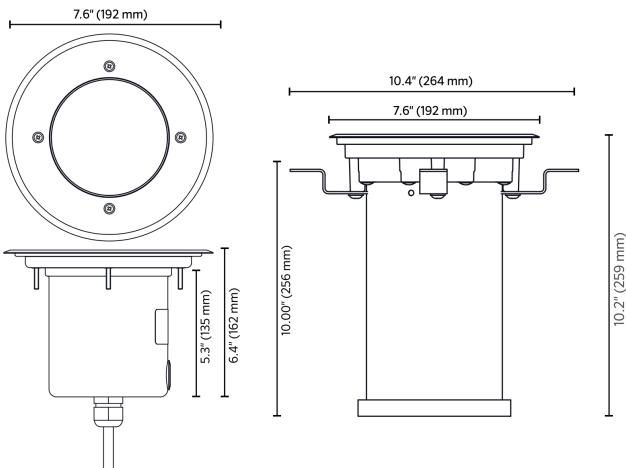# XN-70 Grande In-Grade DESIGNER PREMIUM

PROJECT

CATALOG #

TYPE

NOTES

The new Exa Collection offers high-output performance with low-voltage simplicity. With stainless steel construction plus IP68 and drive-over ratings, the modern Exa In-Grade provides light output up to 1,000 lumens. It also offers beam angle and color temperature options that are compatible with Luxor® Technology. The internal rotation and tilt adjustability with a fully recessed design results in a clean, easy installation.

Quick Facts

- Marine-grade stainless steel construction with two-layer anodization and a TGIC powder-coat finish

- Cree® integrated LED up to 1,000 lumens

- Two correlated color temperature (CCT) options: 2,700K and 3,000K

- IP68 and drive-over rated

- 20° tilt range with 360° rotation

- Compatible with Luxor® Technology

- Input Voltage: 10 to 15 V

7.6" (192 mm)

10.4" (264 mm)

7.6" (192 mm)

5.3" (135 mm)

6.4" (162 mm)

10.00" (256 mm)

10.2" (259 mm)

LANDSCAPE AND ARCHITECTURAL LIGHTING

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XN-70 Grande In-Grade SPECIFICATIONS

Output	H1*	ZDC**
Total Lumens (lm)	1,030	450-1,000
Input Voltage	10 to 15 V	11 to 15 V
Input Power (W)	18.0	21.0
Power Consumption (VA)	23.0	25.0
Efficacy (Lumens/Watt)	58	47
Color Rendering Index (CRI)	84	-
Maximum Candela (cd)		
Spot (20)	3,042	-
Flood (40)	1,788	1,949
Wide Flood (60)	861	-
Luxor Compatibility		
Default	Zoning	Zoning
ZD Option	Zoning/Dimming	Zoning/Dimming
ZDC Option	-	Zoning/Dimming/Color
Minimum Rated Life (L70)	72,000 hrs	55,000 hrs

*Measured using the 3,000K CCT option with a Flood (40°) beam angle. See .ies files for additional photometry data.

**Measured with all four colors turned on at 100%

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

316 marine-grade stainless steel, die-cast aluminum, and stainless steel hardware.

LED

Integrated module with Cree LEDs. Gold-plated connectors and potted driver for maximum reliability and corrosion resistance. Proprietary onboard intelligent driver uses firmware-controlled temperature regulation, maximizing LED life.

Optics

Color temperature and beam angle defined by part number. Both components are serviceable with parts ordered separately.

Dimming

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

Configuration

Integral driver.

Finish

Polished stainless steel finish and polyester TGIC powder-coat layer. Tested to ASTM standards.

Hardware

Teflon-coated faceplate screws.

Wiring

Bottom entry 16 AWG (1.3 mm); SOW Cable, 105 C, 600 V, 3' (1 m) length.

Sockets

Nonreplaceable Molex connector with Moisture Block™ Technology to prevent moisture from wicking up into sealed areas of the luminaire.

Power

Input 10–15 Vac/dc, 50/60 Hz. for white, and 11–15 Vac, 50/60 Hz. for RGBW (ZDC). Remote transformer required (specify separately).

Housing

Die-cast aluminum.

Weight

5.5 lb / 2.5 kg

Lens

High optical purity glass with load strength suitable for walk-over and drive-over applications. Static load rating: 4,400 lb (2,000 kg).

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Installation Requirements

Designed for recessed installation in the upward direction only.

Control

ZD or ZDC utilizes Luxor Technology to zone fixtures in up to 250 groups, dim each group in 1% increments between 0 and 100%, or change to one of 30,000 colors with RGBW LEDs. Select the ZD option for zoning/dimming or ZDC for zoning/dimming/color. Standard fixture zoneable with Luxor Controller.

Manufacturing

ISO 9001:2015 certified facility

Warranty

10-year limited warranty

Listings

[field_spec_builder_mount] [field_spec_builder_mount]

Fixture	Control	Power	Color Temp	Beam Angle	Style	Finish
XN-70	**[Default]** Zone with Luxor, On/Off, Phase Dimmable	**H1** 18.0 W / 23.0 VA	**W** Warm (2700K)	**SP** Spot (20°)	**RG** Ring	**BZ** Bronze Metallic
	ZD Zone/Dim with Luxor	**[default ZDC option]** 21.0 W / 25.0 VA	**S** Soft (3000K)	**FL** Flood (35°)		**FB** Black
	ZDC Zone/Dim/Color with Luxor		**[Default]** RGBW, ZDC Option Required	**WF** Wide Flood (60°)		**DG** Desert Granite
				[default ZDC option] Wide Flood (50°)		**WI** Weathered Iron
						SB Sedona Brown
						FW Flat White
						SV Silver
						SS Stainless Steel

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EXAMPLE FIXTURE CONFIGURATION: *XN-70*–XX–XXXX–XX

XN-70, H1, Spot - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 24 °	Horizontal : 24 °
10.0' (3.0 m)	30.4 fc (327 lx)	4.3' (1.3 m)	4.2' (1.3 m)
20.0' (6.1 m)	7.6 fc (82 lx)	8.5' (2.6 m)	8.5' (2.6 m)
30.0' (9.1 m)	3.4 fc (36 lx)	12.8' (3.9 m)	12.7' (3.9 m)
40' (12.2 m)	1.9 fc (20 lx)	17' (5.2 m)	17' (5.2 m)
50' (15.2 m)	1.2 fc (13 lx)	21.3' (6.5 m)	21.2' (6.5 m)

XN-70, H1, Flood - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 38 °	Horizontal : 38 °
10.0' (3.0 m)	15.5 fc (167 lx)	6.7' (2 m)	6.9' (2.1 m)
20.0' (6.1 m)	3.9 fc (42 lx)	13.5' (4.1 m)	13.7' (4.2 m)
30.0' (9.1 m)	1.7 fc (19 lx)	20.2' (6.2 m)	20.6' (6.3 m)
40' (12.2 m)	1 fc (10 lx)	27' (8.2 m)	27.4' (8.4 m)
50' (15.2 m)	0.6 fc (7 lx)	33.7' (10.3 m)	34.3' (10.5 m)

XN-70, H1, Wide Flood - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 60 °	Horizontal : 60 °
10.0' (3.0 m)	8.6 fc (93 lx)	11.6' (3.5 m)	11.7' (3.6 m)
20.0' (6.1 m)	2.2 fc (23 lx)	23.3' (7.1 m)	23.5' (7.2 m)
30.0' (9.1 m)	1 fc (10 lx)	34.9' (10.6 m)	35.2' (10.7 m)
40' (12.2 m)	0.5 fc (6 lx)	46.5' (14.2 m)	46.9' (14.3 m)
50' (15.2 m)	0.3 fc (4 lx)	58.2' (17.7 m)	58.7' (17.9 m)

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.	Mounts	Catalog No.
Mounting Kit for KT or Exa In-Grade Lights	MKKT		

GLARE CONTROL: Specify Separately

Glare Control	Catalog No.		Glare Control	Catalog No.
Hex Baffle for MR-16 LED Lamps	250015260000			

LENS OPTIONS: Specify Separately

Lenses	Catalog No.	
MR16 Linear Spread Lens	250013550000	
MR16 Foliage Enhancing Green Dichroic Lens	250015180000	
MR16 Red Light Dichroic Lens	250015220000	
Optics Kit, Exa Collection, ZDC-6	KITOPEXAZDC	
Optics Kit, H1, Spot for Exa Directional and In-Grade Lights	KITOPXB35H1SP	

Lenses	Catalog No.	
Frosted Lens for MR-16 LED Lamps	250015170000	
MR16 Color Cooling Lens, +600K shift	250015190000	
MR16 Solite Spread Lens	250015240000	
Optics Kit, H1, Flood for Exa Directional and In-Grade Lights	KITOPXB35H1FL	
Optics Kit, H1, Wide Flood for Exa Directional and In-Grade Lights	KITOPXB35H1WF	

POWER OPTIONS: Specify Separately

Power	Catalog No.		Power	Catalog No.	
Low-Voltage Dimmer	DIM-LV		**Luxor CUBE- Low-voltage**	LCM-LV	
Mini Plug-In Transformer, 30 W	MT-30W		**Step-Down Transformer, Dimmable (120 V to 12 V)**	ST-120-DIM	
Step-Down Transformer (120V to 12V)	ST-HV		**Step-Down Transformer, UV (120/277 V to 12 V)**	ST-UV	
Surge Protection Module –	SURGE-MOD				

SPLICING OPTIONS: Specify Separately

Splicing	Catalog No.	
Brass Lug Wire Connectors, 2-pack	WCHSBS2	
Heat Shrink Wire Connectors, 20-pack, Medium	WCHSMD20	

Splicing	Catalog No.	
Brass Lug Wire Connectors, 50-item Bulk Pack	WCHSBS50	
Heat Shrink Wire Connectors, 20-pack, Small	WCHSSM20	