



Optional "e"
international version

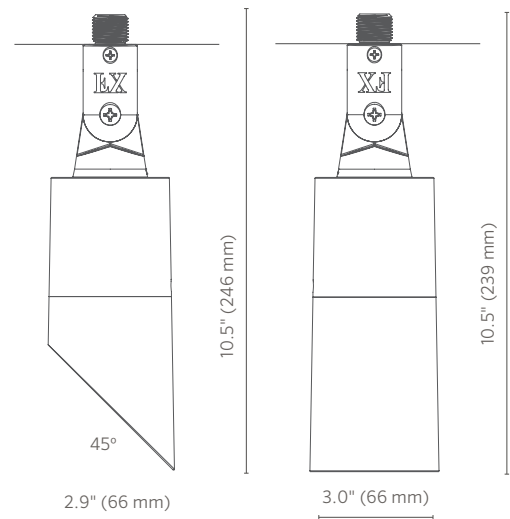
PROJECT
CATALOG #
TYPE
NOTES

MD Down Light **STANDARD PLUS**

The versatile MD directional down light is available with several mounting options.

Quick Facts

- Die-cast aluminum
- Two-layer marine-grade anodization and powder coat finish
- MR-16 GU5.3 lamp base
- ProAim® adjustability
- Tamper-resistant features
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V



MD Down Light SPECIFICATIONS

Output	NL	LED20WFL	LED35WFL	ZD35WFL
Total Lumens	--	261	337	337
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V
Input Power (W)	--	4.0	5.0	5.0
VA	--	4.3	5.4	5.4
Efficacy (Lumens/Watt)	--	65	65	65
Color Rendering Index (CRI)	--	80+	80+	80+
Center Beam Candlepower*				
Spot (17-20)	--	756	844	844
Dimming	--	Phase**	PWM, Phase**	PWM, Phase**
RGBW Available	--	No	No	No
Luxor Compatibility				
Default	--	--	--	Zoning
ZD Option	--	--	--	Zoning/Dimming
Minimum Rated Life (L70)	--	40,000 Hrs	40,000 Hrs	40,000 Hrs

* Information not available for Flood or Wide Flood.

** For optimal performance, use a trailing-edge, phase-cut dimmer.

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 aluminum A380 housing and shroud with stainless steel hardware. Die-cast zinc/aluminum alloy knuckle.

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300V; 16" (406 mm) length.

Socket

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.

Lamp

LED MR-16 lamp with Cree® LEDs. Proprietary on-board intelligent driver uses firmware-controlled temperature regulation, maximizing LED life. Field upgradeable and replaceable, the LEDs are rated to 40,000 hrs.

Power

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

Housing

Die-cast aluminum housing with capacity for one (1) standard MR-16 lamp.

Shroud

Die-cast aluminum shroud with 45° cutoff (standard) or 90° straight shroud option.

Optics

Stainless steel spring in housing ensures the lamp and additional lenses stay flush against the glass lens, optimizing output and beam angles. Recess the lamp farther inside the housing to hide additional glare with the RecessorRing® accessory (specify separately). 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.

Knuckle

Die-cast zinc/aluminum alloy knuckle with ½"-14 (13 mm) NPSM threads. Compress and lock features prevent slip after installation. 9° increments adjustability over 220° of vertical adjustment.

Lens

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

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Weight

1.5 lbs. (0.7 kg)

Finish

Two-layer protection of sulfuric acid anodization and polyester TGIC powder coat, providing superior outdoor weathering in all conditions. Tested to ASTM standards.

Hardware

Stainless steel angle lock screw with setscrew. Tamper-resistant locking screw included.

Control

Luxor zoning and dimming technology with use of Luxor Cube (LCM-LV). Luxor technology allows up to 250 groups, dimmable in 1% increments between 0 and 100%.

Installation Requirements

Designed for installation in the downward direction only.

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.

International Compliance

Compliant per IEC 60598-1 and IEC 60598-2-7 by selecting the "e" version in parts builder.

Warranty

10-year limited warranty on luminaire; 5-year limited warranty on preinstalled FX LED lamp.

Listings



MD Down Light ORDERING INFORMATION



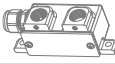



Fixture	Luxor Option	Output	Compliance	Options	Finish
MD		■ NL No Lamp	■ [default] UL Listed	■ [default] Angled Shroud (45°)	■ BZ Bronze Metallic
		■ LED20WFL 20W Equivalent LED Lamp 2,700K, 35°	■ e CE Certified	■ SS Straight Shroud (90°)	■ DG Desert Granite
		■ LED35WFL 35W Equivalent LED Lamp 2,700K, 35°			■ WI Weathered Iron
	■ ZD Zone/Dim	■ ZD35WFL 35W Equivalent LED Lamp 2,700K, 35°			■ SB Sedona Brown
					■ FB Black
					■ WG White Gloss
					■ FW Flat White
				■ AL Almond	
				■ SV Silver	

EXAMPLE FIXTURE CONFIGURATION: MD-LED35WFL-SS-SV



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MD Down Light ORDERING INFORMATION

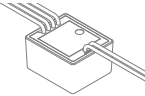
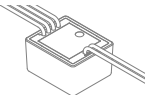
MOUNTING OPTIONS: Order Individually

Mounts	Code	
■ VERSABOX® 2.2" (57 mm) x 1.5" (39 mm)	VB-050-XX*	
■ MINI J-BOX 3.5" (89 mm) x 1.3" (34 mm)	MJ-050-XX*	
■ TREEBOX® 5.4" (138 mm) x 1.9" (49 mm)	TB-XX*	
■ GUTTER MOUNT 4.0" (102 mm) x 4.0" (102 mm)	GM-SS	
■ WALL PLATES 3.4" (85 mm) x 5.1" (129 mm)	WP-1G-050-XX*	
■ WALL PLATES 5.0" (127 mm) Diameter	WP-RD-050-XX*	




RISER OPTIONS: Order Individually

Riser	Code	
■ RISER 0.8" (21 mm) Diameter	YY-R-XX*	
■ SIGN LIGHT RISER 0.8" (21 mm) Diameter with 45° Inward Curve	YY-R-SL-XX*	





LUXOR® TECHNOLOGY OPTIONS: Specify Separately

Cubes	Code	
■ LOW-VOLTAGE CUBE Supports AC dimmable LEDs and incandescent MAX LOAD: 60W/5A	LCM-LV	
■ RELAY/0-10V CUBE Supports relay switch; MAX LOAD: 250VAC/5A	LCM-RLY-010V	

COUPLING OPTIONS: Order Individually

Couplings	Code	
■ STRAIGHT 1.3" (3.2 mm) x 2.0" (51 mm)	COUP-XX*	
■ 90° ELBOW 1.3" (32 mm) x 2.0" (51 mm)	ELBW-050-XX*	
■ T-MOUNT 3.0" (76 mm) x 2.2" (57 mm)	TMNT-050-XX*	

LENS ACCESSORIES: Order Individually

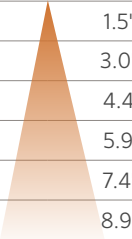
Item	Code	
■ HEX BAFFLE MR-16 Size	250015260000	
■ LINEAR SPREAD LENS MR-16 Size	250013550000	
■ SOLITE SPREAD LENS MR-16 Size	250015240000	
■ RECESSORRING MR-16 Size	RRMR16	

*YY = riser height in inches (6" increments between 6" and 36"; 152 mm increments between 152mm and 914 mm), XX = finish code

MD Down Light PHOTOMETRICS

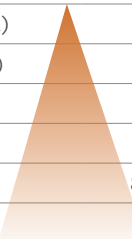
MD LED20WFL Illuminance at a Distance

Feet (Meter)	Center Beam	Beam Width	
		Vertical 28°	
3' (0.9 m)	69.5 fc (748 lx)	1.5' (0.5 m)	
6' (1.8 m)	17.4 fc (187 lx)	3.0' (0.9 m)	
9' (2.7 m)	7.7 fc (83 lx)	4.4' (1.3 m)	
12' (3.7 m)	4.4 fc (47 lx)	5.9' (1.8 m)	
15' (4.6 m)	2.8 fc (30 lx)	7.4' (2.3 m)	
18' (5.5 m)	1.9 fc (21 lx)	8.9' (2.7 m)	



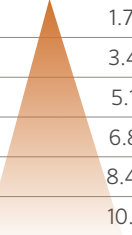
MD LED35WFL Illuminance at a Distance

Feet (Meter)	Center Beam	Beam Width	
		Vertical 35°	
3' (0.9 m)	94 fc (1,012 lx)	1.7' (0.5 m)	
6' (1.8 m)	24 fc (253 lx)	3.4' (1.0 m)	
9' (2.7 m)	10 fc (112 lx)	5.1' (1.6 m)	
12' (3.7 m)	6 fc (64 lx)	6.8' (2.1 m)	
15' (4.6 m)	4 fc (41 lx)	8.4' (2.6 m)	
18' (5.5 m)	2.6 fc (28 lx)	10.1' (3.1 m)	



MD ZD35WFL Illuminance at a Distance

Feet (Meter)	Center Beam	Beam Width	
		Vertical 35°	
3' (0.9 m)	94 fc (1,010 lx)	1.7' (0.5 m)	
6' (1.8 m)	24 fc (253 lx)	3.4' (1.0 m)	
9' (2.7 m)	10 fc (112 lx)	5.1' (1.6 m)	
12' (3.7 m)	6 fc (64 lx)	6.8' (2.1 m)	
15' (4.6 m)	4 fc (41 lx)	8.4' (2.6 m)	
18' (5.5 m)	2.6 fc (28 lx)	10.1' (3.1 m)	



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