FXLuminaire®

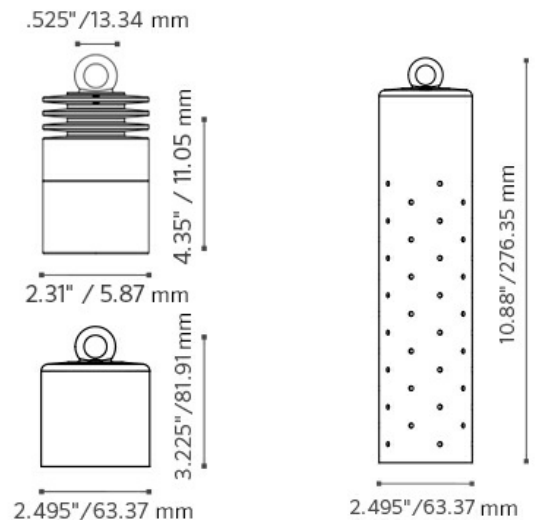# VE LED Down Light   DESIGNER PREMIUM

PROJECT

CATALOG #

TYPE

NOTES

The VE softly illuminates areas from above when hung from trees or architectural elements. Perfect for producing a moonlighting effect for seating areas, focal points, or landscaping features in 1 or 3 LED.

Quick Facts

- Die-cast aluminum with optional copper sleeve
- Two-layer marine-grade anodization and powder coat finish
- Natural, powder coated, or antiqued copper finishes
- Lumileds® Integrated LEDs
- Compatible with Luxor® technology
- Phase and PWM dimmable
- Input voltage: 10-15V

.525" /13.34 mm

4.35" / 11.05 mm

2.31" / 5.87 mm

3.225"/81.91mm

2.495"/63.37 mm

10.88"/276.35 mm

2.495"/63.37 mm

VE LED Down Light SPECIFICATIONS

Output	1LED	3LED	ZDC
Total Lumens†	91	221	130
Input Voltage	10 to 15V	10 to 15V	10 to 15V
Input Power (W)	1.9	4.0	6.0
VA	2.2	4.4	7.2
Efficacy (Lumens/Watt)	50	57	39
Color Rendering Index (CRI)	83	84	80+
Maximum Candela	88	225	198
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**
RGBW Available	No	No	Yes
Luxor Compatibility			
Default	Zoning	Zoning	--
ZD Option	Zoning/dimming	Zoning/Dimming	--
ZDC Option	--	--	Zoning/Dimming/Color
Minimum Rated Life L70 (Hrs)	72,000	72,000	55,000

** 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).

VE LED 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 housing and shroud with stainless steel setscrew, hanging cable, and cable lock.

LED

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.

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

Includes stainless steel cable with cable lock. Tamper-resistant setscrew included.

Wiring

18 AWG (1 mm); SPT-1W; 220°F (105°C); 300V; 26' (8 m) length.

Sockets

Lamp holder contains MoistureBlock™ technology, preventing moisture from wicking up into sealed areas of the fixture.

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 pre- assembled 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.

Power

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

Glare Control

Die-cast A380 aluminum housing with capacity for 1LED, 3LED, or ZDC integrated LEDs.

Weight

1.3 lbs. (0.6 kg)

Lens

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

International Compliance

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

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

Sustainability Installation Requirements

Designed for installation in the downward direction only.

Control

ZD or ZDC utilizes Luxor technology to zone light 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 is zoneable with Luxor.

Warranty

Listings

LANDSCAPE AND ARCHITECTURAL LIGHTING

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VE LED Down Light ORDERING INFORMATION

Fixture	Luxor Option	Lamp	Compliance	Perforated Option	Finish	
VE	**[default]** Zone	**1 LED** 2.0W/2.4VA	**[default]** North America (UL Listed)	**[default]** Standard	**BZ** Bronze Metallic	
	ZD Zone/Dim	**3 LED** 4.0W/4.4VA	**E** International (CE Certified)	**PS** Perforated Sleeve	**FB** Black	
	ZDC Zone/Dim/Color	**[default ZDC option]** 6.0W/7.2VA			**DG** Desert Granite	
					WI Weathered Iron	
					SB Sedona Brown	
					FW Flat White	
					SV Silver	
					AB Antique Bronze	
					AT Antique Tumbled	
					CU Copper	
					NP Nickel Plate	

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EXAMPLE FIXTURE CONFIGURATION: VE-ZD-3LED-PS-SV

VE 1LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 53.8 °	Horizontal : 54.7 °
5.0' (1.5 m)	3.5 fc (38 lx)	5.1 ft (1.6 m)	5.2 ft (1.6 m)
10.0' (3.0 m)	0.8 fc (9 lx)	10.2 ft (3.1 m)	10.3 ft (3.1 m)
15.0' (4.6 m)	0.4 fc (4 lx)	15.2 ft (4.6 m)	15.5 ft (4.7 m)
20.0' (6.1 m)	0.2 fc (2 lx)	20.3 ft (6.2 m)	20.7 ft (6.3 m)
25.0' (7.6 m)	0.1 fc (2 lx)	25.4 ft (7.7 m)	25.8 ft (7.9 m)
30.0' (9.1 m)	0.1 fc (1 lx)	30.5 ft (9.3 m)	31.0 ft (9.4 m)

VE 3LED - Illuminance at a Distance

Distance	Center Beam fc	Beam Width	
Feet (Meters)	Foot-Candles (Lux)	Vertical : 52.1 °	Horizontal : 52.0 °
5.0' (1.5 m)	9 fc (96 lx)	4.9 ft (1.5 m)	4.9 ft (1.5 m)
10.0' (3.0 m)	2.2 fc (24 lx)	9.8 ft (3.0 m)	9.8 ft (3.0 m)
15.0' (4.6 m)	1.0 fc (11 lx)	14.7 ft (4.5 m)	14.6 ft (4.5 m)
20.0' (6.1 m)	0.6 fc (6 lx)	19.5 ft (5.9 m)	19.5 ft (5.9 m)
25.0' (7.6 m)	0.4 fc (4 lx)	24.4 ft (7.4 m)	24.4 ft (7.4 m)
30.0' (9.1 m)	0.3 fc (3 lx)	29.3 ft (8.9 m)	29.3 ft (8.9 m)

VE ZDC - Illuminance at a Distance

Distance	Center Beam fc	Beam Width
Feet (Meters)	Foot-Candles (Lux)	
5.0' (1.5 m)	11.7 fc	
10.0' (3.0 m)	2.85 fc	
15.0' (4.6 m)	1.28 fc	
20.0' (6.1 m)	0.72 fc	
25.0' (7.6 m)	0.46 fc	
30.0' (9.1 m)	0.32 fc	

MOUNTING OPTIONS: Specify Separately

Mounts	Catalog No.		Mounts	Catalog No.	
Hanging Cable Lock	250021820000		**Hanging Cable**	250021830000	

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POWER OPTIONS: Specify Separately

Power	Catalog No.		Power	Catalog No.	
Plug-In Transformer, 6 W	MT-6W		**Step-Down Transformer, UV (120/277 V to 12 V)**	ST-UV	
Surge Protection Module -	SURGE-MOD				