



Louver (LV)

Ring (RG)



Cowling (CW)



Wash (GW)



PROJECT

CATALOG #

TYPE

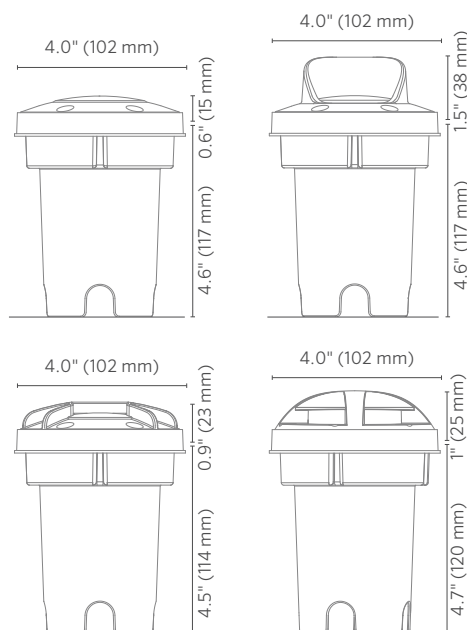
NOTES

FC Well Light DESIGNER PREMIUM

Cylindrical in-grade fixture with versatile faceplate options in 1, 3, 6, or 9 LED. An RGBW version is also available for use with **Luxor®** system.

Quick Facts

- Die-cast brass or aluminum construction
 - Two-layer marine-grade anodization and powder coat finish
 - Cree® integrated LEDs
- Tamper-resistant features
 - Color temperature filters
 - Compatible with Luxor technology
 - Phase and PWM dimmable
 - Input voltage: 10-15V



FC Well Light SPECIFICATIONS

Output	1LED	3LED	3LEDT	6LED	9LED	ZDC
Total Lumens ††	20-79	83-185	65-147	123-334	170-419	35-216
Input Voltage	10 to 15V	10 to 15V	10 to 15V	10 to 15V	10 to 15V	11 to 15V
Input Power (W)	2.0	4.2	4.2	8.2	10.0	9.1
VA	2.4	4.5	4.5	9.7	10.7	11.0
Efficacy (Lumens/Watt)	40	47	41	41	42	41
Color Rendering Index (CRI)	80+	80+	--	80+	80+	80+
Center Beam Candlepower*						
Spot (17-20)	307	831	613	1,242	1,592	283
Flood (43)	--	--	--	--	--	283
Dimming	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM, Phase**	PWM
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 (L90/B10)	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs	55,000 Hrs

* Information not available for Flood or Wide Flood.

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

† Measured using the Ring (RG) faceplate. Multipliers for other faceplates include: 0.60 (Cowling), 0.33 (Louver), 0.16 (Ground Wash).

‡ 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).

FC Well 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 C360 brass faceplate with powder coated A380 aluminum housing. Black oxide stainless steel set screws and PBT construction sleeve.

Wiring

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

Weight

2.4 lbs. (1.1 kg)

Ambient Operating Temperature

0°F to 140°F (-18°C to 60°C)

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 55,000 hrs. Maximum drive current: 1 A.

Power

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

Housing

Die-cast A380 aluminum housing with capacity for 1LED, 3LED, 6LED, 9LED, or ZDC integrated LEDs.

Installation Requirements

Designed for recessed installation in the upward direction only.

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. Photometry is calculated using LM-79 method for SSL luminaires.

Drive-over

Ground wash option approved for drive-over according to the requirements listed in IEC 60598-1 up to 1,125 lbs. (510 kg).

Warranty

10-year limited warranty

Wildlife-Friendly Lighting

Available with wildlife-friendly amber LEDs. ZD 3LEDT option only.

Manufacturing

9001:2015 ISO certified facility

Faceplate

Die-cast C360 brass faceplate with designed features for protection, glare control, walkway illumination, or optimal beam pattern. Aluminum faceplate on select models only.

Lens

RG, CW, or LV: Tempered glass lens with shock resistance and high tolerance for thermal expansion and stress. **GW:** Frosted polycarbonate lens with high tolerance for thermal expansion, stress, and abuse. ABS light shields mask specified quadrants of light in 90° increments between 90° and 360°.

Finish

Options of natural copper/brass finish, antiqued finish with brushed (Antique Bronze) or tumbled (Antique Tumbled) effect, or TGIC powder coat finish. Antique finishes sealed with a clear TGIC powder coat layer. Brass accent pieces remain natural (not powder coated) for Bronze, Silver, Black, and Flat White finishes.

Hardware

Includes six black oxide stainless steel faceplate screws and two gold tamper-resistant wood screws to secure housing to construction sleeve.

Control

ZD and **ZDC** options utilize 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.

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.

Listings



FC Well Light ORDERING INFORMATION

Fixture	Luxor Option	Output	Compliance	Faceplate	Finish	
FC	■ [default] Zone	■ 1LED 20-79 Lumens	■ [default] North America (UL Listed)	■ RG Ring	■ BS Natural Brass	■ WG White Gloss
	■ ZD Zone/Dim	■ 3LED 83-185 Lumens	■ e Int'l (CE Certified)	■ CW Cowling	■ BZ Bronze Metalic	■ FW Natural Brass
		■ 3LED** Wildlife-Friendly Amber (585-595 nm)		■ LV Louver	■ DG Desert Granite	■ AL Almond
		■ 6LED 123-334 Lumens		■ GW-90 90° Ground Wash	■ WI Weathered Iron	■ AB Antique Bronze
		■ 9LED 170-419 Lumens		■ GW-180 180° Ground Wash	■ SB Sedona Brown	■ AT Antique Tumbled
		■ ZDC Zone/Dim/ Color	■ [default] 35-216 Lumens		■ GW-270 270° Ground Wash	■ FB Black
				■ GW-360 360° Ground Wash	■ SV Silver	

EXAMPLE FIXTURE CONFIGURATION: FC-ZD-6LED-LV-SV




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

FC Well Light PHOTOMETRICS


FC 1LED Illuminance at a Distance RG/CW/LV

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 19.5°
4' (1.2 m)	19 fc (206 lx)	1' (0.4 m)
8' (2.4 m)	5 fc (52 lx)	3' (0.9 m)
12' (3.7 m)	2 fc (23 lx)	4' (1.3 m)
16' (4.9 m)	1.2 fc (13 lx)	6' (1.7 m)
20' (6.1 m)	0.8 fc (9 lx)	7' (2.1 m)
24' (7.3 m)	0.5 fc (5 lx)	8' (2.5 m)




FC 3LED Illuminance at a Distance RG/CW/LV

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 18.6°
4' (1.2 m)	52 fc (560 lx)	1' (0.4 m)
8' (2.4 m)	13 fc (140 lx)	3' (0.8 m)
12' (3.7 m)	6 fc (62 lx)	4' (1.2 m)
16' (4.9 m)	3 fc (34 lx)	5' (1.6 m)
20' (6.1 m)	2 fc (22 lx)	7' (2.0 m)
24' (7.3 m)	1.4 fc (15 lx)	8' (2.4 m)




FC 3LEDT Illuminance at a Distance RG/CW/LV

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 21.1°
4' (1.2 m)	38 fc (412 lx)	2' (0.5 m)
8' (2.4 m)	10 fc (103 lx)	3' (0.9 m)
12' (3.7 m)	4 fc (46 lx)	5' (1.4 m)
16' (4.9 m)	2 fc (26 lx)	6' (1.8 m)
20' (6.1 m)	1.5 fc (16 lx)	7' (2.3 m)
24' (7.3 m)	1.1 fc (12 lx)	9' (2.7 m)




FC 6LED Illuminance at a Distance RG/CW/LV

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 21.1°
4' (1.2 m)	77 fc (835 lx)	2' (0.5 m)
8' (2.4 m)	19 fc (209 lx)	3' (0.9 m)
12' (3.7 m)	9 fc (93 lx)	5' (1.4 m)
16' (4.9 m)	5 fc (53 lx)	6' (1.8 m)
20' (6.1 m)	3 fc (33 lx)	7' (2.3 m)
24' (7.3 m)	2 fc (24 lx)	9' (2.7 m)




FC 9LED Illuminance at a Distance RG/CW/LV

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 21.4°
4' (1.2 m)	100 fc (1,071 lx)	2' (0.5 m)
8' (2.4 m)	25 fc (269 lx)	3' (0.9 m)
12' (3.7 m)	11 fc (120 lx)	5' (1.4 m)
16' (4.9 m)	6 fc (67 lx)	6' (1.8 m)
20' (6.1 m)	4 fc (43 lx)	7' (2.3 m)
24' (7.3 m)	3 fc (30 lx)	9' (2.7 m)



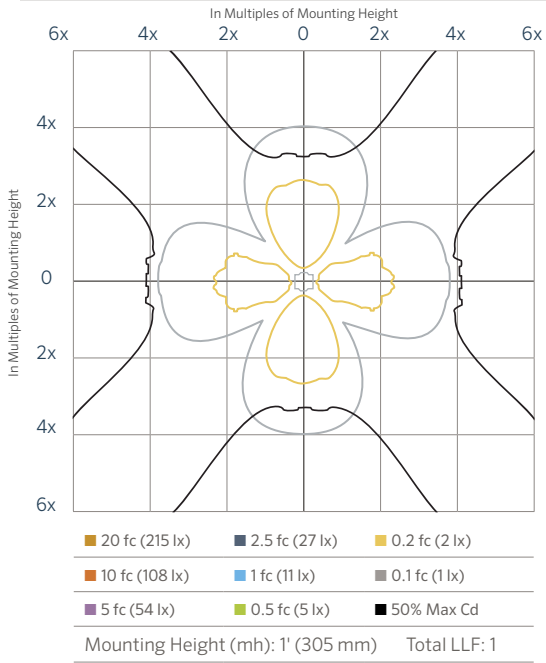
FC zDC Illuminance at a Distance RG (CW/LV)

Feet (Meters)	Center Beam	Beam Width
	Foot-Candle (Lux)	
		Vertical 43.2°
4' (1.2 m)	18 fc (191 lx)	3' (1.0 m)
8' (2.4 m)	4 fc (47 lx)	6' (1.9 m)
12' (3.7 m)	2 fc (22 lx)	10' (2.9 m)
16' (4.9 m)	1 fc (12 lx)	13' (3.9 m)
20' (6.1 m)	1 fc (8 lx)	16' (4.8 m)
24' (7.3 m)	0.5 fc (5 lx)	19' (5.8 m)

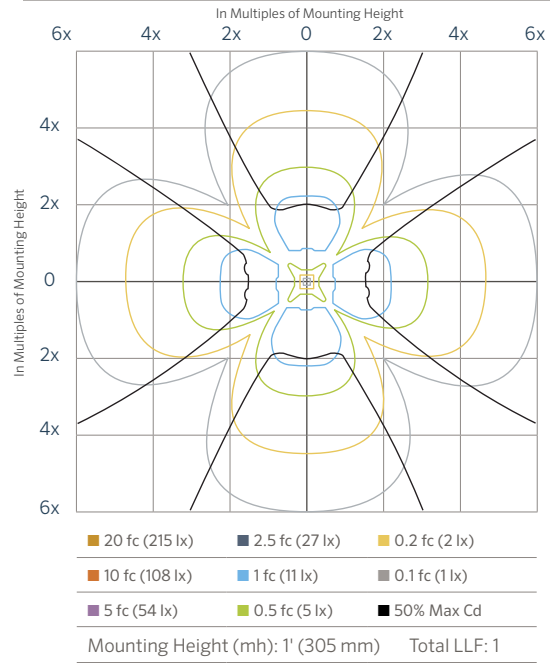


FC Well Light PHOTOMETRICS

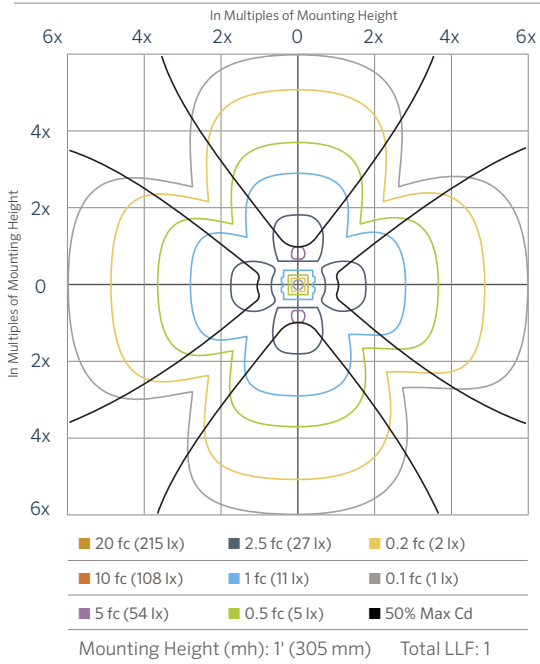
FC 1LED Isofootcandle Plot GW



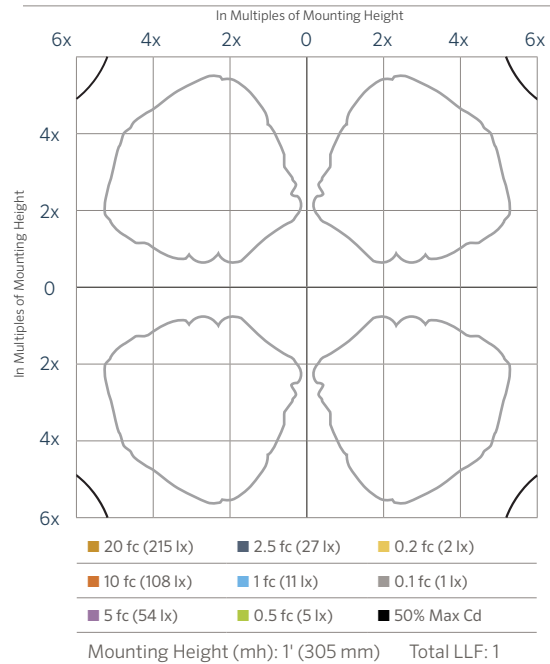
FC 3LED Isofootcandle Plot GW



FC 6LED Isofootcandle Plot GW



FC 9LED Isofootcandle Plot GW



FC Well Light PHOTOMETRICS

