# FXLuminaire®

RD

SQ

ST

WW

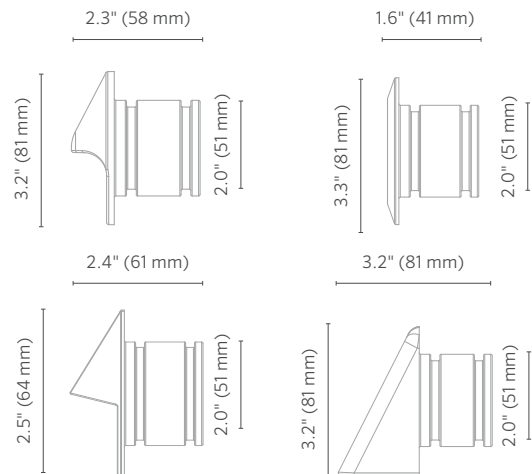PROJECT

CATALOG #

TYPE

NOTES

# MO Wall Light   **DESIGNER** PREMIUM

1 or 3 LED recessed wall light available in four brass faceplate styles for any application. RGBW version available with Luxor® technology.

## Quick Facts

- Die-cast brass and aluminum construction
- Natural, powder-coated, or antique brass
- Cree® integrated LEDs
- Color temperature filters
- Compatible with Luxor technology
- Phase and PWM dimmable
- Input voltage: 10-15V

2.3" (58 mm)  3.2" (81 mm)  2.0" (51 mm)

1.6" (41 mm)  3.3" (81 mm)  2.0" (51 mm)

2.4" (61 mm)  2.5" (64 mm)  2.0" (51 mm)

3.2" (81 mm)  3.2" (81 mm)  2.0" (51 mm)

**LANDSCAPE & ARCHITECTURAL LIGHTING**

# MO Wall Light SPECIFICATIONS

| Output | 1LED | 3LED | 3LEDT | ZDC |
|---|---|---|---|---|
| Total Delivered Lumens[†][‡] | 13-68 | 33-169 | 21-102 | 61 |
| Input Voltage | 10 to 15V | 10 to 15V | 10 to 15V | 11 to 15V |
| Input Power (W) | 2.0 | 4.2 | 4.2 | 6.0 |
| VA | 2.4 | 4.5 | 4.5 | 7.2 |
| Efficacy (Lumens/Watt) | 18 | 21 | 29 | 19 |
| Color Rendering Index (CRI) | 82 | 82 | -- | 82 |
| Max Candela[‡] | 31 | 79 | 195 | 51 |
| Dimming | PWM, Phase** | PWM, Phase** | PWM, Phase** | -- |
| RGBW Available | No | No | No | Yes |
| Luxor Compatibility | | | | |
|     Default | Zoning | Zoning | -- | -- |
|     ZD Option | 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 |
| BUG Rating (RD & SQ) | B0-U1-G0 | B0-U1-G1 | B0-U1-G1 | B0-U1-G0 |

**†** *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).*

**‡** *Measured using the Round (RD) faceplate. Multipliers for other faceplates include: 1.0 (Square), 2.0 (Spot), and 0.4 (Wall Wash).*

*** 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 C360 brass faceplate, A380 aluminum housing, ABS construction conduit sleeve.

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

## Warranty
10-year limited warranty

## 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 50,000 hrs. Maximum drive current: 1 A.

## Optics
Polycarbonate color temperature adjustment lenses included with fixture: 2,700K (pre-installed); 3,900K (no lens); 4,500K; and 5,200K. Color temperature lenses field serviceable. Beam angle is calculated using LM-79 method for SSL luminaires.

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

## Faceplate
Die-cast brass faceplate.

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

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

## IES Classification
Type IV (RD & SQ), Type V (ST), Type II (WW).

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

## Finish
Options of natural brass finish, antique 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.

## Ambient Operating Temperature
0°F to 140°F (-18°C to 60°C)

## Weight
3.6 lbs. (1.6 kg)

## Hardware
Includes 2" (51 mm) x 12" (305 mm) ABS conduit sleeve with ½"-14 (13 mm) NPT female hole for strain relief. Strain relief specified separately. Outer diameter of ABS conduit sleeve: 2.4" (61 mm).

## Control
ZD or 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.

## Manufacturing
ISO 9001:2015 certified facility

## Wildlife-Friendly Lighting
When used with the 3LEDT Output option, this fixture is Wildlife Lighting Certified by the Florida Fish and Wildlife Conservation Commission.

## Installation Requirements
RD & SQ – Designed for recessed installation in a vertical wall in the down lighting position only.

WW – Designed for recessed installation in a vertical wall in any orientation.

ST – Designed for recessed installation in a vertical or horizontal wall; ensure substantial drainage flow for up lighting (e.g., decking).

## International Compliance
Compliant per IEC 60598-1and IEC 60598-2-7 when used with International WallKit ("EKITWALL").

## Listings

**❙ Learn more.** Visit fxl.com | +1 760.744.5240

# MO Wall Light ORDERING INFORMATION

| Fixture | Luxor Option | Output | Faceplate | Finish | |
|---------|--------------|--------|-----------|--------|---|
| MO* | ■ **[default]** *Zone* | ■ **1LED** *60 Lumens* | ■ **RD** *Round* | ■ **BS** *Natural Brass* | |
| | ■ **ZD** *Zone/Dim* | ■ **3LED** *165 Lumens* | ■ **SQ** *Square* | ■ **BZ** *Bronze Metallic* | |
| | | ■ **3LEDT**** *Wildlife-Friendly Amber (585-595 nm)* | ■ **ST** *Spot* | ■ **DG** *Desert Granite* | |
| | ■ **ZDC** *Zone/Dim/Color* | ■ **[default]** *90 Lumens* | ■ **WW** *Wall Wash* | ■ **WI** *Weathered Iron* | |
| | | | | ■ **SB** *Sedona Brown* | |
| | | | | ■ **FB** *Black* | |
| | | | | ■ **WG** *White Gloss* | |
| | | | | ■ **FW** *Flat White* | |
| | | | | ■ **AL** *Almond* | |
| | | | | ■ **SV** *Silver* | |
| | | | | ■ **NP** *Nickel Plate* | |
| | | | | ■ **AB** *Antique Bronze* | |
| | | | | ■ **AT** *Antique Tumbled* | |

EXAMPLE FIXTURE CONFIGURATION:
MO-ZDC-RD-SV
*Includes 2.0" (51 mm) Conduit Sleeve (250020600000)
** Available with ZD Luxor option and CU, AB, or AT finishes only

| MO | - | | - | | - | | - | |
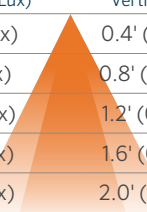
## ACCESSORIES: Specify Separately
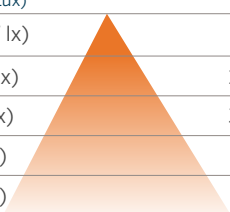
| Accessories | Code | |
|-------------|------|---|
| ■ **MO MOUNTING BRACKET** *1.3" H x 3.2" W (33 mm x 81 mm)* | MOBRKT | |
| ■ **STANDARD OPTICS KIT** | ΔLEDOPTICSKIT | |
| ■ **WALL LIGHT CONNECTION KIT** CE | EKITWALL | |

# MO Wall Light PHOTOMETRICS
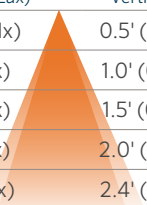
## MO 1LED Illuminance at a Distance — RD/SQ

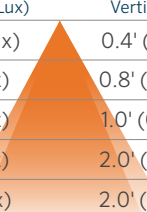| Feet (Meters) | Center Beam | Beam Width | |
|---|---|---|---|
| | Foot-Candle (Lux) | Vertical 45° | Horizontal 75° |
| 0.5' (0.2 m) | 16 fc (174 lx) | 0.4' (0.1 m) | 0.7' (0.2 m) |
| 1.0' (0.3 m) | 4 fc (43 lx) | 0.8' (0.2 m) | 1.5' (0.5 m) |
| 1.5' (0.5 m) | 1.8 fc (19 lx) | 1.2' (0.4 m) | 2.2' (0.7 m) |
| 2.0' (0.6 m) | 1.0 fc (11 lx) | 1.6' (0.5 m) | 3.0' (0.9 m) |
| 2.5' (0.8 m) | 0.6 fc (7 lx) | 2.0' (0.6 m) | 4.0' (1 m) |

## MO 1LED Illuminance at a Distance — ST

| Feet (Meters) | Center Beam | Beam Width |
|---|---|---|
| | Foot-Candle (Lux) | Vertical 90° |
| 0.5' (0.2 m) | 136 fc (1,467 lx) | 1.0' (0.3 m) |
| 1.0' (0.3 m) | 34 fc (366 lx) | 2.0' (0.6 m) |
| 1.5' (0.5 m) | 15 fc (162 lx) | 3.0' (0.9 m) |
| 2.0' (0.6 m) | 9 fc (97 lx) | 4.0' (1.2 m) |
| 2.5' (0.8 m) | 4 fc (43 lx) | 5.0' (1.5 m) |
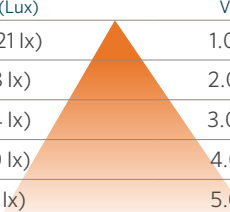
## MO 1LED Illuminance at a Distance — WW

| Feet (Meters) | Center Beam | Beam Width | |
|---|---|---|---|
| | Foot-Candle (Lux) | Vertical 50° | Horizontal 60° |
| 0.5' (0.2 m) | 33 fc (355 lx) | 0.5' (0.2 m) | 0.7' (0.2 m) |
| 1.0' (0.3 m) | 8 fc (86 lx) | 1.0' (0.3 m) | 1.3' (0.4 m) |
| 1.5' (0.5 m) | 4 fc (43 lx) | 1.5' (0.5 m) | 2.0' (0.6 m) |
| 2.0' (0.6 m) | 2 fc (22 lx) | 2.0' (0.6 m) | 2.6' (0.8 m) |
| 2.5' (0.8 m) | 1.3 fc (14 lx) | 2.4' (0.7 m) | 3.3' (1 m) |
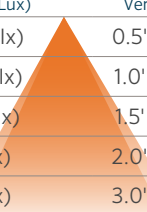
## MO 3LED Illuminance at a Distance — RD/SQ

| Feet (Meters) | Center Beam | Beam Width | |
|---|---|---|---|
| | Foot-Candle (Lux) | Vertical 40° | Horizontal 60° |
| 0.5' (0.2 m) | 33 fc (355 lx) | 0.4' (0.1 m) | 0.6' (0.2 m) |
| 1.0' (0.3 m) | 8 fc (86 lx) | 0.8' (0.2 m) | 1.0' (0.4 m) |
| 1.5' (0.5 m) | 4 fc (43 lx) | 1.0' (0.4 m) | 2.0' (0.6 m) |
| 2.0' (0.6 m) | 2 fc (22 lx) | 2.0' (0.5 m) | 3.0' (0.8 m) |
| 2.5' (0.8 m) | 1.3fc (14 lx) | 2.0' (0.6 m) | 3.0' (0.8 m) |

## MO 3LED Illuminance at a Distance — ST

| Feet (Meters) | Center Beam | Beam Width |
|---|---|---|
| | Foot-Candle (Lux) | Vertical 85° |
| 0.5' (0.2 m) | 355 fc (3,821 lx) | 1.0' (0.4 m) |
| 1.0' (0.3 m) | 89 fc (958 lx) | 2.0' (0.5 m) |
| 1.5' (0.5 m) | 39 fc (424 lx) | 3.0' (0.9 m) |
| 2.0' (0.6 m) | 22 fc (239 lx) | 4.0' (1.2 m) |
| 2.5' (0.8 m) | 14 fc (153 lx) | 5.0' (1.5 m) |

## MO 3LED Illuminance at a Distance — WW

| Feet (Meters) | Center Beam | Beam Width | |
|---|---|---|---|
| | Foot-Candle (Lux) | Vertical 50° | Horizontal 70° |
| 0.5' (0.2 m) | 88 fc (946 lx) | 0.5' (0.2 m) | 0.7' (0.2 m) |
| 1.0' (0.3 m) | 22 fc (237 lx) | 1.0' (0.3 m) | 1.3' (0.4 m) |
| 1.5' (0.5 m) | 10 fc (106 lx) | 1.5' (0.5 m) | 2.0' (0.6 m) |
| 2.0' (0.6 m) | 6 fc (59 lx) | 2.0' (0.6 m) | 2.5' (0.8 m) |
| 2.5' (0.8 m) | 4 fc (38 lx) | 3.0' (0.9 m) | 3.0' (0.8 m) |

## MO ZDC Illuminance at a Distance — RD/SQ

| Feet (Meters) | Center Beam | Beam Width | |
|---|---|---|---|
| | Foot-Candle (Lux) | Vertical 45° | Horizontal 70° |
| 0.5' (0.2 m) | 24 fc (262 lx) | 0.4' (0.1 m) | 0.7' (0.2 m) |
| 1.0' (0.3 m) | 61 fc (655 lx) | 0.8' (0.2 m) | 1.0' (0.4 m) |
| 1.5' (0.5 m) | 2.7 fc (29 lx) | 1.2' (0.4 m) | 2.0' (0.6 m) |
| 2.0' (0.6 m) | 1.5 fc (16 lx) | 1.6' (0.5 m) | 3.0' (0.9 m) |
| 2.5' (0.8 m) | 0.97 fc (10 lx) | 2.0' (0.6 m) | 3.0' (0.9 m) |

## MO ZDC Illuminance at a Distance — ST

| Feet (Meters) | Center Beam | Beam Width |
|---|---|---|
| | Foot-Candle/Lux | Vertical 90° |
| 0.5' (0.2 m) | 268 fc (2,885 lx) | 1.0' (0.4 m) |
| 1.0' (0.3 m) | 67 fc (721 lx) | 2.0' (0.6 m) |
| 1.5' (0.5 m) | 30 fc (321 lx) | 3.0' (0.9 m) |
| 2.0' (0.6 m) | 17 fc (181 lx) | 4.0' (1.2 m) |
| 2.5' (0.8 m) | 11 fc (115 lx) | 5.0' (1.5 m) |

## MO ZDC Illuminance at a Distance — WW

| Feet (Meters) | Center Beam | Beam Width | |
|---|---|---|---|
| | Foot-Candle (Lux) | Vertical 40° | Horizontal 70° |
| 0.5' (0.2 m) | 83 fc (895 lx) | 0.4' (0.1 m) | 0.7' (0.2 m) |
| 1.0' (0.3 m) | 21 fc (224 lx) | 0.8' (0.2 m) | 1.0' (0.4 m) |
| 1.5' (0.5 m) | 9 fc (99 lx) | 1.0' (0.4 m) | 2.0' (0.6 m) |
| 2.0' (0.6 m) | 5 fc (56 lx) | 2.0' (0.6 m) | 3.0' (0.9 m) |
| 2.5' (0.8 m) | 3 fc (36 lx) | 2.0' (0.6 m) | 4.0' (1 m) |