

# SOLID STATE AREA LIGHTING

## MOZ WALL MOUNT-PLED

PROJECT NAME: \_\_\_\_\_

FIXTURE TYPE: \_\_\_\_\_

### FEATURES

#### Fixture Housing

Optical Crown, Arms and Hub are welded to create a one piece unitized Housing consisting of precise heavy wall cast low copper (A356 alloy; < 0.2%Cu) aluminum. Hood is fastened to the Housing with a stainless steel hinge and secured with a single stainless steel hex head cap screw 180° opposite the hinge. Hood and Optical Crown are sealed with an extruded closed cell silicone gasket. Driver/wiring accessed through top of Electrical Access Hub. All exposed hardware is stainless steel.

#### Decorative Arm

One piece unitized decorative arm and Wall Mount Plate consisting of cast low copper (A356 alloy;<0.2% Cu) aluminum. Arm is welded to the Wall Mount plate. All welds are blended to create a homogeneous appearance. Wall Mount plate affixed to mounting surface covering a recessed j-box.

#### PLED™ Optics

Emitters (LED's) are arrayed on a metal core PCB panel with each emitter located on a copper thermal transfer pad and enclosed by an LED refractor. In asymmetric distributions, a micro-reflector inside the refractor re-directs the house side emitter output towards the street side and functions as a house side shielding element. Refractors are injection molded H12 acrylic. Each LED refractor is sealed to the PCB over an emitter and all refractors are retained by an aluminum frame. LED refractors produce standard asymmetric site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

#### LED Driver(s)

Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50,60Hz. (0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with 20KV surge protector for field accessible installation.)

#### LED Emitters

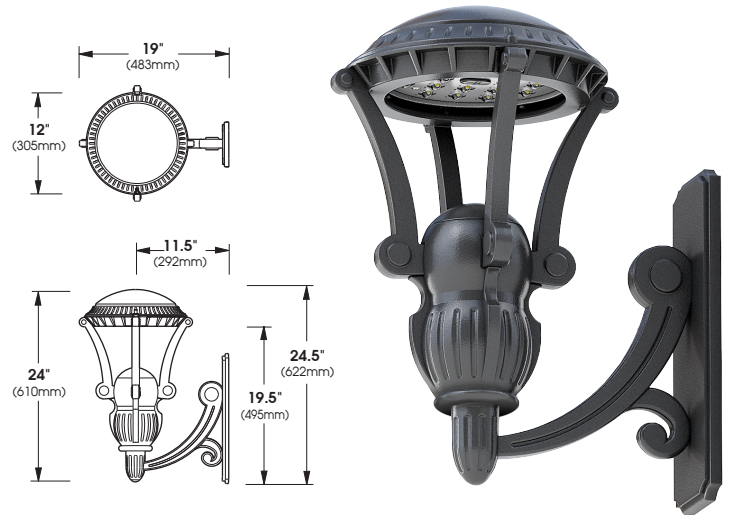
High output LED's are utilized with drive currents ranging from 175mA to 525mA. 70CRI Minimum. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

#### Amber LED's

PCA (Phosphor Converted Amber) LED's utilize phosphors to create color output similar to LPS lamps and have a slight output in the blue spectral bandwidth. TRA (True Amber) LED's utilize material that emits light in the amber spectral bandwidth only without the use of phosphors.

#### Finish

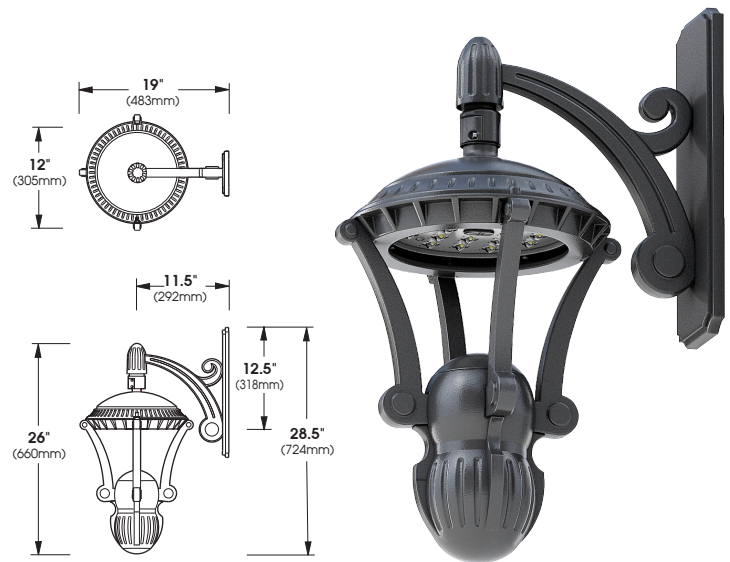
Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step media blast and iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability.



### MOZ12/WM-T (Tenon Mount)

(MOZ12/XMO-DT shown)

Patent pending



### MOZ12/WM-P (Pendant Mount)

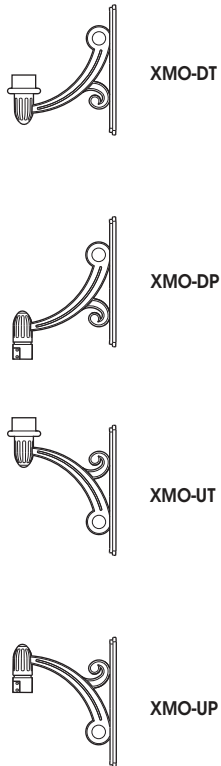
(MOZ12/XMO-UP shown)

Patent pending

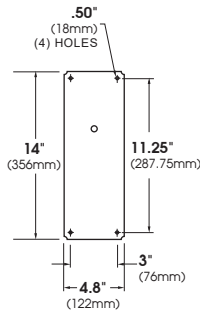
# MOZ Wall Mount - PLED

## SPECIFICATIONS

### Mounting Options

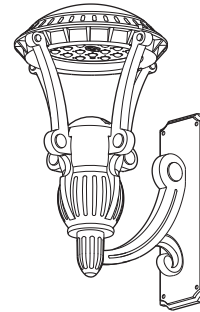


### Wall Plate



Mounting hardware by others.

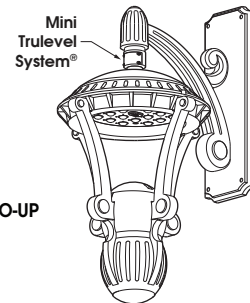
### PLED® Modules



**MOZ12/XMO-DT**  
E.P.A. = 1.39  
Available in:  
20 LED



20 LED Module



**MOZ12/XMO-UP**  
E.P.A. = 1.39  
Available in:  
20 LED

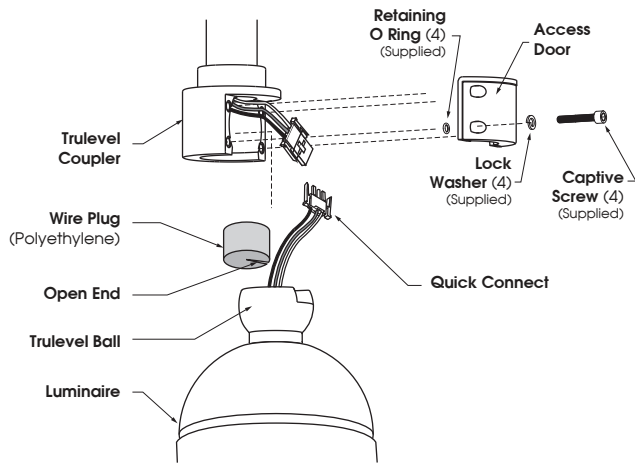
## SPEC/ORDERING INFORMATION

Spec/Order Example: MOZ12/XMO-DP/PLED-III M/20LED-350mA/NW/277V/RAL-9005-T/PC+V

Luminaire & Mounting	Optics	LED Mode			Voltage	Finish	Options
Luminaire	Optics	LED			Voltage	Finish	Options
<input type="checkbox"/> MOZ12/XMO-DT <input type="checkbox"/> MOZ12/XMO-DP <input type="checkbox"/> MOZ12/XMO-UT <input type="checkbox"/> MOZ12/XMO-UP	<b>PLED™</b> Distribution Type <input type="checkbox"/> Type II <b>PLED-II</b> <input type="checkbox"/> Type II Front Row <b>PLED-II-FR</b> <input type="checkbox"/> Type III Med. <b>PLED-III-M</b> <input type="checkbox"/> Type III Wide <b>PLED-III-W</b> <input type="checkbox"/> Type IV <b>PLED-IV</b> <input type="checkbox"/> Type IV-ft <b>PLED-IV-FT</b>	<input type="checkbox"/> 20LED	<input type="checkbox"/> 525mA <input type="checkbox"/> 450mA <input type="checkbox"/> 350mA <input type="checkbox"/> 175mA	<input type="checkbox"/> NW (4000K)* *Standard <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) Other LED Colors Available Consult Factory Amber <sup>1</sup> <input type="checkbox"/> Phosphor Converted Amber <b>PCA</b> <input type="checkbox"/> True Amber <b>TRA</b>	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	Standard Textured Finish <input type="checkbox"/> Black <b>RAL-9005-T</b> <input type="checkbox"/> White <b>RAL-9003-T</b> <input type="checkbox"/> Grey <b>RAL-7004-T</b> <input type="checkbox"/> Dark Bronze <b>RAL-8019-T</b> <input type="checkbox"/> Green <b>RAL-6005-T</b> For smooth finish replace suffix "T" with suffix "S" (Example: RAL-9500-S) Consult factor for custom colors	<input type="checkbox"/> House Side Shield <b>HS-PLED</b> <input type="checkbox"/> High-Low Dimming for Switch by Others/Select Levels 50/100 or 25/100 (Example: HLSW/25) <b>HLSW</b> <input type="checkbox"/> Photo Cell + Voltage (Example: PC120V) <b>PC+V</b> <input type="checkbox"/> Single Fuse (120V, 277V) <b>SF</b> <input type="checkbox"/> Double Fuse (208V, 240V) <b>DF</b> Contact factory for Step Dim Motion Sensor (Programmed 25-50/100)
<b>NOTES:</b> 1 - Narrow Band Ambers have no definable CCT equivalent							

# MOZ Wall Mount - PLED

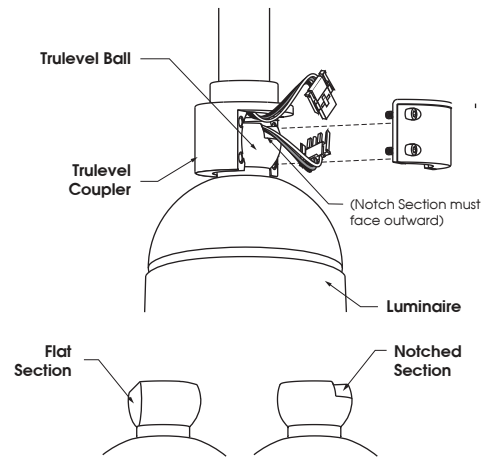
## Trulevel System® Assembly for Installation of Pendant Mount Luminaires



1. Loosen (4) Captive Screws and remove Access Door from Trulevel Coupler, pull out Quick Connect from Trulevel Coupler and Trulevel Ball.

Press open end of Wire Plug around Quick Connect wires.

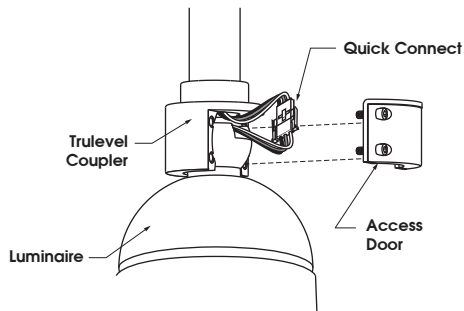
Slide Wire Plug down the wires and into Trulevel Ball opening, press Neoprene firmly into opening to prevent moisture and other contaminants from entering Luminaire Assembly.



2. Place Trulevel Ball inside of Trulevel Coupler as illustrated.

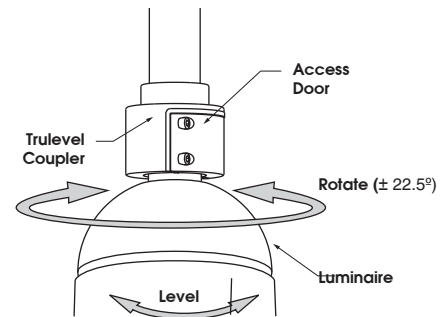
A - Notched Section of Trulevel Ball must face outward as illustrated.

B - Flat Section of Trulevel Ball must face inward.



3. Connect Quick Connect components, push components inside of Trulevel Coupler cavity, replace Access Door and loosely secure, do not tighten.

Fixture will suspend without Access Door during installation.



4. Rotate (left to right  $\pm 22.5^\circ$ ) and level Luminaire to desired position. Tighten Access Door.

(Tighten each bolt to recommended torque: **10 ft-lb, foot-pound**)

Trulevel Pendant Mount is intended to allow for fixture leveling, but is not intended to be "free-swinging" upon proper installation.

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## LED/ Electrical Guide

LED Count	Applied B-U-G Rating	Source	Initial Lumens - 4000K CCT	Initial Lumens - 3000K CCT	Initial Lumens - 5000K CCT	L70 greater than (HR)	Starting Temp.	System Watts	Volts	Max Input Amps
20	LED	20 PLED® Optical Module - 175mA	1,141 - 1,257	1,084 - 1,194	1,198 - 1,320	85,000+	-20°F	11	120 277	0.09 0.04
20	LED	20 PLED® Optical Module - 350mA	2,074 - 2,285	1,970 - 2,171	2,178 - 2,399	85,000+	-20°F	22	120 277	0.18 0.09
20	LED	20 PLED® Optical Module - 450mA	2,564 - 2,824	2,435 - 2,683	2,692 - 2,966	85,000+	-20°F	29	120 277	0.23 0.10
20	LED	20 PLED® Optical Module - 525mA	2,987 - 3,290	2,837 - 3,126	3,136 - 3,455	85,000+	-20°F	33	120 277	0.27 0.12

### NOTES:

1. Max Input Amps is the highest of starting, operating, or open circuit currents
2. Lumen values for LED Modules vary according to the distribution type
3. System Watts includes the source watts and all driver components.
4. Fuse value should be sufficient to protect all wiring components. For electronic driver and LED component protection, use 10KV - 20KV surge suppressors.
5. L70(14K) - TM-21 6x rule applied

**WARNING:** All fixtures must be installed in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury.