

# SOLID STATE AREA LIGHTING

# MURALUX SERIES-LED

## SPECIFICATIONS

### HOUSING AND LENS FRAME

One-piece precision cast aluminum (A360 alloy; <0.6% copper) construction with integral cooling ribs on housing and backplate. Captive stainless steel screws provide positive locking and sealing of lens frame by a one piece extruded EPDM gasket with ends fused to form a continuous loop. A clear 3/16" thick tempered glass lens is retained by stainless steel clips with full silicone gasketing around the perimeter. Lens is completely concealed from view above horizontal when aimed down.

### DOWNLIGHT - **VLED** OPTICAL MODULE

Optical Module consists of a clear lens, solid-state emitters (LED's) and emitter Reflector-Prism optics, sealed from water intrusion and environmental contaminants. LED's are mounted to a cast plate with integral heat sink fins. Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum that locates a Reflector-Prism over each emitter. The Reflector-Prisms are arrayed to produce an asymmetric distribution (Type II, Type III, Type IV).

### UPLIGHT OPTICS

**Beam** - Bi-convex lens provides laser beam control (less than 6° spread).

**Flood** - For general illumination. Provides a medium flood pattern (92° spread maximum).

### UPLIGHT LED MODULE

LED Tube fastened to a retaining plate. Each LED Tube consists of circuit board populated with a multiple of LED's and is mechanically fastened to a radial aluminum heat sink. An acrylic Lens and end cap protects the LED Tube's internal components.

### LED DRIVER(s)

UL and CUL recognized High Power Factor, Constant Current LED drivers have a power factor of >.90, a minimum operating temperature of -40°C, and operate on input voltages from 120-277V, 50/60Hz or 347-480V, 50/60Hz. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. (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 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 iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

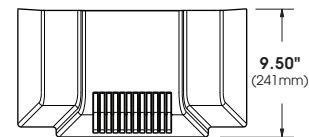
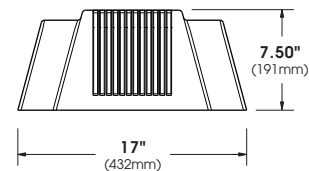
PROJECT NAME: \_\_\_\_\_

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

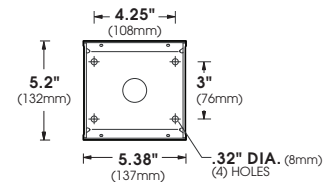


## MLXT

PATENT PENDING



### Mounting Bracket



 Light Pollution Control Classification System  
Full cutoff 0% Uplight Luminaire



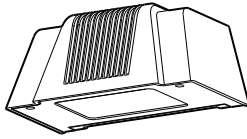
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# MURALUX SERIES - LED

## SPECIFICATIONS

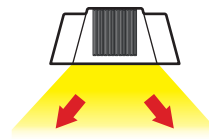
### OPTICAL CONFIGURATIONS



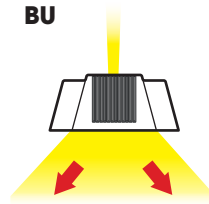
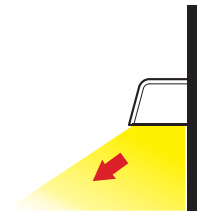
**MLXT**  
Available in:  
28LED Max.



24 LED Module

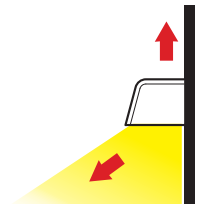


Area Down (Standard)

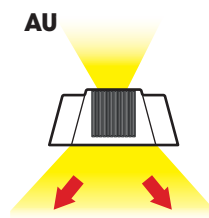


**BU**  
LED Module  
4LED Max.

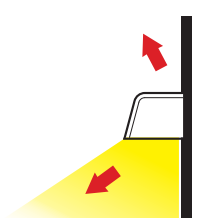
Beam Up Area Down



**AU**  
LED Module  
4LED Max.




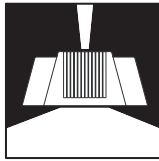



Flood Up Area Down



Spec/Ordering Example: MLXT-BU/VLED-IV/28LED-NW/120/RAL-9003-S/PC120

## SPEC / ORDERING INFORMATION

MODEL	AREA DOWN OPTICS	LED MODE	VOLTAGE	FINISH	OPTIONS	
MODEL	OPTICS	LED	VOLTAGE	FINISH	OPTIONS	
<input type="checkbox"/> MLXT	<input type="checkbox"/> TYPE II <b>VLED II</b> .....  <input type="checkbox"/> TYPE III <b>VLED III</b> .....  <input type="checkbox"/> TYPE IV <b>VLED IV</b> .....  (FORWARD THROW)	No. LEDs MLXT <input type="checkbox"/> 24LED MLXT-BU & -AU <input type="checkbox"/> 28LED AMBER <sup>2,3</sup> <input type="checkbox"/> PHOSPHOR CONVERTED AMBER PCA <input type="checkbox"/> TRUE AMBER TRA NOTES: 1-1 - N/A IN 347-480V 2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT 3 - AMBER LED'S AVAILABLE WITH MLXT MODEL (CUTOFF MODEL) ONLY. N/A WITH -AU OR -BU MODELS.	DRIVE CURRENT <input type="checkbox"/> 525mA <sup>1</sup> <input type="checkbox"/> 350mA COLOR <input type="checkbox"/> NW (4000K) *STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) OTHER LED COLORS AVAILABLE CONSULT FACTORY	<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 RAL-9005-T <input type="checkbox"/> WHITE RAL-9003-T <input type="checkbox"/> GREY RAL-7004-T <input type="checkbox"/> DARK BRONZE RAL-8019-T <input type="checkbox"/> GREEN RAL-6005-T FOR SMOOTH FINISH REPLACE SUFFIX "-T" WITH "-S" (EXAMPLE: RAL-9005-S) SEE USALTG.COM FOR ADDITIONAL COLORS	<input type="checkbox"/> HOUSE SIDE SHIELDED REFLECTOR PRISMS . . . <b>HS-VLED</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> <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR . . . . . <b>HLSW</b> <input type="checkbox"/> STEP DIM MOTION SENSOR (PROGRAMMED 50/100) . . . . . <b>MS-F211</b> <input type="checkbox"/> REMOTE MOTION SENSOR CONFIGURATOR . . . . . <b>MS-FC10</b>
<input type="checkbox"/> MLXT - BU	 Beam Up Area Down					
<input type="checkbox"/> MLXT - AU	 Flood Up Area Down					

