

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.

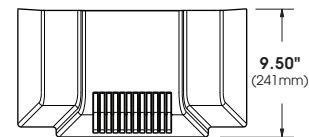
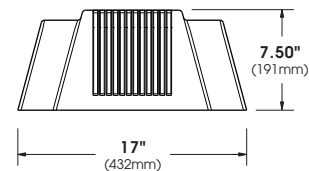
PROJECT NAME: _____

FIXTURE TYPE: _____

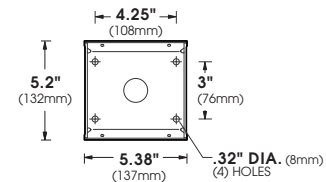


MLXT

PATENT PENDING



Mounting Bracket



 Light Pollution Control Classification System
Full cutoff 0% Uplight Luminaire



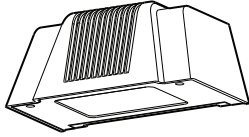
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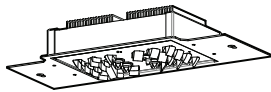
MURALUX SERIES - LED

SPECIFICATIONS

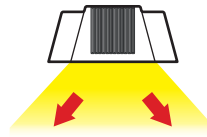
OPTICAL CONFIGURATIONS



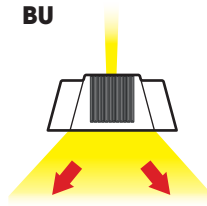
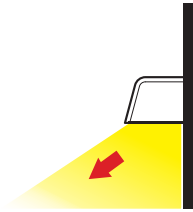
MLXT
Available in:
28LED Max.



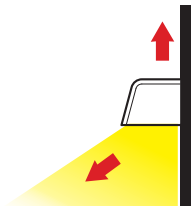
24 LED Module



Area Down (Standard)



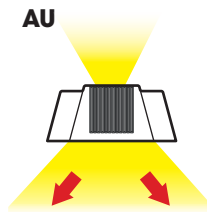
Beam Up Area Down



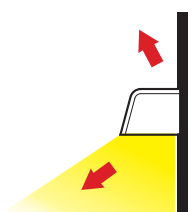
BU
LED Module
4LED Max.



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 VLED II  <input type="checkbox"/> TYPE III VLED III  <input type="checkbox"/> TYPE IV VLED IV  (FORWARD THROW)	No. LEDs MLXT <input type="checkbox"/> 24LED MLXT-BU & -AU <input type="checkbox"/> 28LED AMBER ^{2,3} <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.	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480 DRIVE CURRENT <input type="checkbox"/> 525mA ¹ <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	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 . . . HS-VLED <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) . . . PC+V <input type="checkbox"/> SINGLE FUSE (120V., 277V) SF <input type="checkbox"/> DOUBLE FUSE (208V., 240V) DF <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR HLSW <input type="checkbox"/> STEP DIM MOTION SENSOR (PROGRAMMED 50/100) MS-F211 <input type="checkbox"/> REMOTE MOTION SENSOR CONFIGURATOR MS-FC10
<input type="checkbox"/> MLXT - BU	 Beam Up Area Down				
<input type="checkbox"/> MLXT - AU	 Flood Up Area Down				

