

SOLID STATE LIGHTING

TSU WALLMOUNT LED SPECIFICATIONS

HOUSING

Heavy cast low copper aluminum assembly (A356 alloy, <.2% copper) minimum wall thickness .188" with integral cooling ribs surrounding the electrical compartment. The optical and electrical compartments are integrated with the support arm to create one assembly. Minimum wall thickness is 1/4". Cast and hinged driver compartment cover is integrated with wiring compartment cover.

✓LED* OPTICAL MODULE

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, IES Type III and IES Type IV distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers 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

Polyester powder coat incorporates four step iron phosphate process to pretreat metal surface for maximum adhesion. Top coat is baked at 400°F for maximum hardness and exterior durability.

PROJECT NAME: _____

PROJECT TYPE: _____

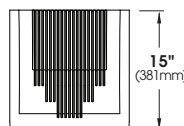
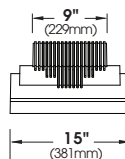
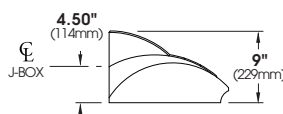
GET A QUOTE >



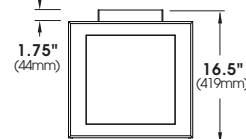
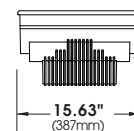
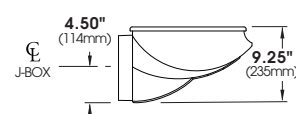
TSUW*

PATENT PENDING

*DOWNLIGHT CONFIGURATION SHOWN



DOWN LIGHTING CONFIGURATION



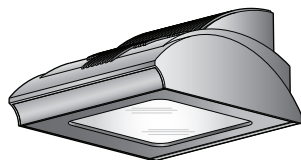
UP LIGHTING CONFIGURATION



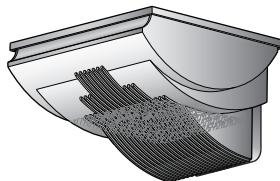
TSUNAMI WALLMOUNT - LED

S P E C I F I C A T I O N S

WALL MOUNT

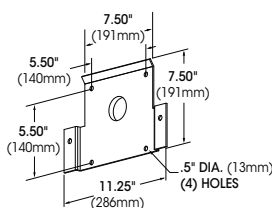


GALVANIZED STEEL MOUNTING PLATE FOR DOWN CONFIGURATION PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

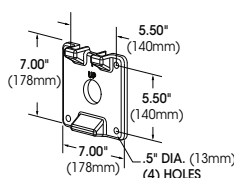


CAST ALUMINUM MOUNTING PLATE FOR UP CONFIGURATION PROVIDED WITH BUILT IN GASKETED WIRE ACCESS FOR FIXTURE/SUPPLY WIRE CONNECTION.

WALL PLATE

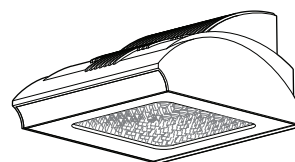


DOWN LIGHTING MOUNTING BRACKET



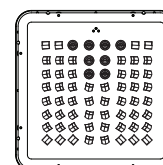
UP LIGHTING MOUNTING BRACKET

✓LED® MODULE



TSUW-VLED

Available in:
48 LED Module
64 LED Module






48 LED Module

64 LED Module

Spec/Order Example: TSUW-LED/VLED-IV/64LEDNW208/RAL-6005-T/PC+V

S P E C / O R D E R I N G I N F O R M A T I O N

MODEL	OPTICS	LED MODE			VOLTAGE	FINISH	OPTIONS
MODEL	OPTICS	LED MODE			VOLTAGE	FINISH	OPTIONS
<input type="checkbox"/> TSUW-LED	✓LED® IES DISTRIBUTION TYPE <input type="checkbox"/> TYPE II VLED - II  <input type="checkbox"/> TYPE III VLED - III  <input type="checkbox"/> TYPE IV VLED - IV 	No. LEDs	DRIVE CURRENT	COLOR	VOLTAGE	STANDARD TEXTURED FINISH	<input type="checkbox"/> HOUSE SIDE SHIELDED REFLECTOR-PRISMS... HS-VLED <input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR... HLSW <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)... PC+V <input type="checkbox"/> TWIST LOCK PHOTOCELL RECEPTACLE ONLY... TPR <input type="checkbox"/> 7-PIN TWIST LOCK RECEPTACLE ONLY... TPR7 <input type="checkbox"/> SINGLE FUSE (120V., 277V)... SF <input type="checkbox"/> DOUBLE FUSE (208V., 240V)... DF <input type="checkbox"/> STEP DIM MOTION SENSOR (PROGRAMMED 50/100)... MS-F211 <input type="checkbox"/> REMOTE MOTION SENSOR CONFIGURATOR... MS-FC10
		<input type="checkbox"/> 64LED <input type="checkbox"/> 48LED	<input type="checkbox"/> 525mA ¹ <input type="checkbox"/> 350mA	<input type="checkbox"/> NW (4000K)* * STANDARD <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) OTHER LED COLORS AVAILABLE CONSULT FACTORY AMBER ² <input type="checkbox"/> PHOSPHOR CONVERTED AMBER PCA <input type="checkbox"/> TRUE AMBER TRA	<input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	<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 SUFFIX "S" (EXAMPLE: RAL-9005-S) LATCH COLOR <input type="checkbox"/> CHROME LC <input type="checkbox"/> BLACK LB	

NOTES:
1 - NOT AVAILABLE IN 347-480V
2 - NARROW BAND AMBERS HAVE NO DEFINABLE CCT EQUIVALENT



TSUNAMI WALLMOUNT - LED

LED/ELECTRICAL GUIDE

LED COUNT	SOURCE TYPE	SOURCE	INITIAL LUMENS - 4000K	INITIAL LUMENS - 3000K	INITIAL LUMENS - 5000K	L70 GREATER THAN (HR)	STARTING TEMP.	SYSTEM WATTS	VOLTS	MAX INPUT AMPS
48	LED	48 V ^{LED} Optical Module - 350mA	4,241 - 4,760	3,731 - 4,187	4,337 - 4,868	60,000+	-20°F	55	120 277 347	0.46 0.20 0.16
48	LED	48 V ^{LED} Optical Module - 525mA	5,871 - 6,557	5,152 - 5,755	6,009 - 6,711	60,000+	-20°F	79	120 277 347	0.66 0.29 0.23
64	LED	64 V ^{LED} Optical Module - 350mA	5,255 - 5,898	4,623 - 5,189	5,373 - 6,031	60,000+	-20°F	70	120 277 347	0.59 0.26 0.21
64	LED	64 V ^{LED} Optical Module - 525mA	7,393 - 8,257	6,488 - 7,246	7,566 - 8,451	60,000+	-20°F	108	120 277 347	0.90 0.39 0.32

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(9K) - 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.

