

SOLID STATE AREA LIGHTING

LUM SERIES-PLED PT

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

HOUSING

Heavy cast low copper aluminum assembly (A360 alloy, <0.4% copper). All exposed hardware is stainless steel. Internal protected hardware is electro-zinc plated.

POSTTOP MOUNTING

Four (4) 1" Square extruded aluminum arms welded to a cast aluminum pole top fitter. Arm assembly is mechanically attached to twin castings welded to either side of the housing.

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. Any one Panel, or group of Panels in a luminaire, have the same optical pattern. LED refractors produce standard site/area distributions. Panels are field replaceable and field rotatable in 90° increments.

LED DRIVERS

Drivers are UL and cUL recognized mounted on a single plate and factory prewired with quick-disconnect plugs. Constant current driver is electronic and has a power factor of >0.90 and a minimum operating temperature of -40°F. 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.)

FINISH

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

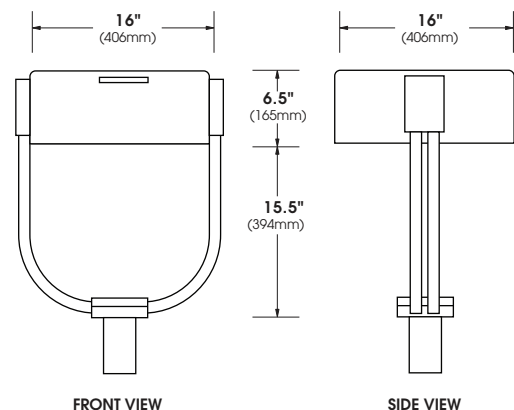
PROJECT NAME: _____

FIXTURE TYPE: _____



LUM PLED PT

PATENT PENDING

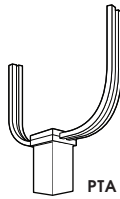


2015314

LUM SERIES - PLED PT

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

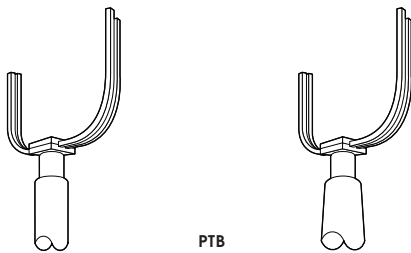
MOUNTING STYLES



PTA

STANDARD TENON ASSEMBLY FOR 4" AND 5" SQUARE POLES.

DECORATIVE RING SUPPLIED FOR 6" SQUARE POLES.
(SPECIFY POLE I.D.)



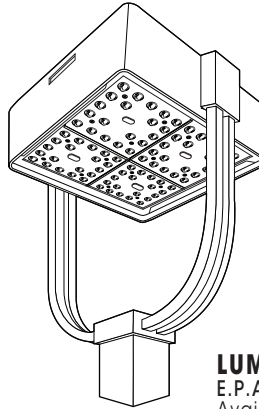
PTB

TENON ASSEMBLY FOR TAPERED OR ROUND POLES. TENON ASSEMBLY IS ALSO AVAILABLE AS AN OPTION FOR 4", 5" OR 6" SQUARE POLES.

SPECIFY MOUNTING ASSEMBLY:
PTB27-TO FIT OVER 2 7/8" O.D. TENON.

PTB23-TO FIT OVER 2 3/8" O.D. TENON.

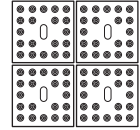
PLED™ MODULES



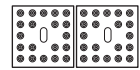
LUM LED POST TOP

E.P.A. = 1.36

Available in:
80 & 40 LED Array



80 LED Array



40 LED Array

No. of LEDs	Drive Current	System Watts	HID Equivalent
40	350mA	45	70 - 100
	525mA	66	100 - 150
	700mA	91	175
	1050mA	142	200 - 250
80	350mA	92	150 - 175
	525mA	136	200 - 250
	700mA	184	400

Spec/Order Example: LUM-LED/PLED-V-SQ/80LED-700mA/NW/277/1/RAL9005

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			MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> LUM LED PT	PLED™ DISTRIBUTION <input type="checkbox"/> TYPE II PLED-II <input type="checkbox"/> TYPE II FRONT ROW PLED-II-FR <input type="checkbox"/> TYPE II MEDIAN ILLUMINATOR PLED-II-ML <input type="checkbox"/> TYPE III PLED-III <input type="checkbox"/> TYPE IV PLED-IV <input type="checkbox"/> TYPE IV PLED-IV-FT <input type="checkbox"/> TYPE V NARROW PLED-VSQ-N <input type="checkbox"/> TYPE V PLED-VSQ-M <input type="checkbox"/> TYPE V PLED-VSQ-W	No. LEDs <input type="checkbox"/> 80LED ¹ <input type="checkbox"/> 40LED NOTE: 1 - 700mA MAXIMUM	DRIVE CURRENT <input type="checkbox"/> 1050mA <input type="checkbox"/> 700mA <input type="checkbox"/> 525mA <input type="checkbox"/> 350mA VOLTAGE <input type="checkbox"/> 120 <input type="checkbox"/> 208 <input type="checkbox"/> 240 <input type="checkbox"/> 277 <input type="checkbox"/> 347 <input type="checkbox"/> 480	COLOR TEMP-CCT <input type="checkbox"/> NW (4000K)* <small>*STANDARD</small> <input type="checkbox"/> CW (5000K) <input type="checkbox"/> WW (3000K) OTHER LED COLORS AVAILABLE CONSULT FACTORY	ARM MOUNT <input type="checkbox"/> PTA <input type="checkbox"/> PTB23 (TO FIT 2 3/8" O.D.) <input type="checkbox"/> PTB27 (TO FIT 2 7/8" O.D.)	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 SUFFIX "S" (EXAMPLE: RAL-9005-S) SEE USALTG.COM FOR ADDITIONAL COLORS	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NONINTEGRATED MOTION SENSOR HLSW <input type="checkbox"/> INTERNAL HOUSE SIDE SHIELD ... HS-PLED <input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... PC+V <input type="checkbox"/> TWIST LOCK PHOTO CELL + VOLTAGE (EXAMPLE: PC120V) ... TPC+V <input type="checkbox"/> TWIST LOCK RECEPTACLE ONLY ... TPR <input type="checkbox"/> SINGLE FUSE (120V, 277V) SF <input type="checkbox"/> DOUBLE FUSE (208V, 240V, 480V) DF

LUM SERIES - PLED PT

LAMP/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
40	LED	40 PLED Optical Module - 350mA	5,077 - 5,464	4,445 - 4,784	5,199 - 5,595	60,000+	-20°F	45	120 277	0.38 0.17
40	LED	40 PLED® Optical Module - 525mA	6,977 - 7,507	6,108 - 6,573	7,144 - 7,687	60,000+	-20°F	66	120 277	0.58 0.25
40	LED	40 PLED® Optical Module - 700mA	8,425 - 9,067	7,376 - 7,938	8,627 - 9,285	60,000+	-20°F	91	120 277	0.76 0.33
40	LED	40 PLED® Optical Module - 1050mA	10,956 - 11,792	9,592 - 10,324	11,219 - 12,075	60,000+	-20°F	142	120 277	1.19 0.52
80	LED	80 PLED® Optical Module - 350mA	10,153 - 10,926	8,889 - 9,566	10,397 - 11,188	60,000+	-20°F	92	120 277	0.77 0.34
80	LED	80 PLED® Optical Module - 525mA	13,952 - 15,015	12,215 - 13,146	14,287 - 15,376	60,000+	-20°F	136	120 277	1.14 0.50
80	LED	80 PLED® Optical Module - 700mA	16,851 - 18,139	14,752 - 15,877	17,254 - 18,570	60,000+	-20°F	184	120 277	1.54 0.67

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.