

TRAPEZ 450

Pole Mounted Luminaire

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DESCRIPTION

The truncated wedge styling of the TRAPEZ provides a distinctive accent to contemporary architecture. Heavy cast aluminum housing transitions to pole top tenon mounting with rectangular arm. Screenprinted, frameless, tempered glass lens with quarter-turn fastener provides tool-less access. Single or twin configurations are available in two mounting heights. Round straight pole is available in steel or aluminum. Steel pole is hot-dip galvanized prior to being finished in finely textured paint. Base cover is spun aluminum. All hardware is stainless steel.



Date: _____ Type: _____ Catalog Number: _____

Project Name: _____



ORDERING INFORMATION

PRODUCT												
MODEL	LED MODULE	CCT	CONTROL	VOLT	OPTICS	CONFIG	POLE HEIGHT	POLE MATERIAL	BASE COVER	MOUNTING KIT	FINISH	OPTIONS
TZ450	1 1 Module	30K 3000K	DIM 0-10v Dimming	UNV 120-277V	T2 Type II	S Single	15 15' Round Straight- 4" OD	A Aluminum	BC Base Cover	MK Mounting Kit (Anchor Bolts + Template)	BL Black	GFCI GFCI Receptacle
	2 2 Modules	40K 4000K			T3 Type III	D Double	20 20' Round Straight- 4.5" OD	S Steel			DB Dark Bronze	HSS House Side Shield
					T4 Type IV		XX*				DG Dark Grey	TVSS20 20KV Surge Suppressor
					T5 Type V						GG Graphite Grey	
											SG Silver Grey	
											CC Custom RAL Color	
*Other- specify in feet												

*Other- specify in feet

MODEL (Mounting Kit, Ordered Separately)

TZ450-MK
Mounting kit with 4x Ø0.75" x 17" x 3" anchor bolts + mylar template

SPECIFICATIONS

HOUSING

Truncated wedge shaped housing is cast aluminum. Luminaire mounts to bracket with concealed hardware. Frameless tempered glass lens is hinged and is sealed to the housing with one-piece closed cell neoprene gasket and secured with single quarter-turn fastener for tool-less access to optical compartment. Flat lens is 0.24" thick with screen-printed masking for aesthetics. Power cord exits luminaire at the rear of the housing into wire way on the bracket arm. Cord is sealed with a weather tight strain relief bushing at the luminaire. All hardware is stainless steel.

OPTICS

Optics include two individual LED modules. Each module consists of a field replaceable aluminum core PCB with four high-power LEDs and a single piece lens molded from optical quality acrylic. Light distributions include a choice of Type II, III, or IV optics. Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones. CRI is 80+. Optics include two individual LED modules. Each module consists of a field replaceable aluminum core PCB with four high-power LEDs and a single piece lens molded from optical quality acrylic. Light distributions include a choice of Type II, III, or IV optics. Luminaire emits zero uplight at 90 degrees horizontal and above and is suitable for use in all LEED lighting zones. CRI is 80+.

ELECTRICAL

Electrical components are mounted in the electrical compartment at the base of the luminaire housing. Electronic LED driver supplies 700mA drive current. The driver has a universal input voltage range from 120v to 277v at 50/60Hz. Drivers are high power factor with performance greater than 90%. Power consumption is 36 watts per LED module. Optional 0-10v dimming available on request.

LED DELIVERED LUMENS / BUG RATING

3000K 1 Module	3000K 2 Modules	4000K 1 Module	4000K 2 Modules
TYPE II = 2534 LMS / B1-U0-G0	TYPE II = 5068 LMS / B1-U0-G1	TYPE II = 2699 LMS / B1-U0-G0	TYPE II = 5398 LMS / B1-U0-G1
TYPE III = 2563 LMS / B1-U0-G0	TYPE III = 5126 LMS / B1-U0-G1	TYPE III = 22730 LMS / B1-U0-G0	TYPE III = 5459 LMS / B2-U0-G1
TYPE IV = 2320 LMS / B1-U0-G0	TYPE IV = 4639 LMS / B1-U5-G1	TYPE IV = 2470 LMS / B1-U0-G1	TYPE IV = 4941 LMS / B1-U0-G1

NOTE : Due to rapid and continuous advances in LED technology, LED luminaire data is subject to change without notice and at the discretion of HessAmerica. Consult factory for current technical data.

POLE

Slip fitter is fabricated and machined from 6060 aluminum and available in single or twin mount configurations. Pole cap is machined from 6082 aluminum for a flush fit to the pole top. Slip fitter has two rows of three recessed stainless steel setscrews for mounting to the pole top tenon. External slip fitter and pole have matching diameters for visual aesthetics.

Steel Pole

Steel pole is manufactured from cold drawn over mandrel, electric-weld, mechanical round steel tubing with nominal wallthickness of 0.142" for 15' pole or 0.157" wall thickness for 20' pole. Flush mounted handhole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Tenon is machined to match the inside diameter of the pole, then inserted into the pole shaft and plug welded, showing no visible weld at the transition. Pole and bracket are hot-dip galvanized with coating inside and out, then lightly sanded prior to painting. One-piece base cover is 0.080" spun aluminum and finished to match the pole. Nominal pole heights are 15' or 20' with 4" outside diameter.

Aluminum Pole

Aluminum pole is manufactured from seamless 6061 aluminum tubing with nominal wall thickness of 0.187". Pole is heat treated to produce a T6 temper. Flush mounted hand hole cover is plasma cut with kerf not to exceed 1/8" and includes triangular tamper-resistant locking device. Tenon is machined to match the inside diameter of the pole, then inserted into the pole shaft and plug welded, showing no visible weld at the transition. One-piece base cover is 0.080" spun aluminum and finished to match the pole. Nominal pole height is 15' or 20' with 4" outside diameter.

FINISH

Housing is cleaned ultrasonically prior to painting. Standard Primar® finish is finely textured matte silver metallic, dark grey, graphite grey, black, or dark bronze. Special RAL colors available on request.

INGRESS PROTECTION: IP65

CERTIFICATION

CSA/US Certified for Wet Locations

WARRANTY

Limited product warranty period including the LEDs is five years. Driver shall carry the manufacturer's limited warranty.

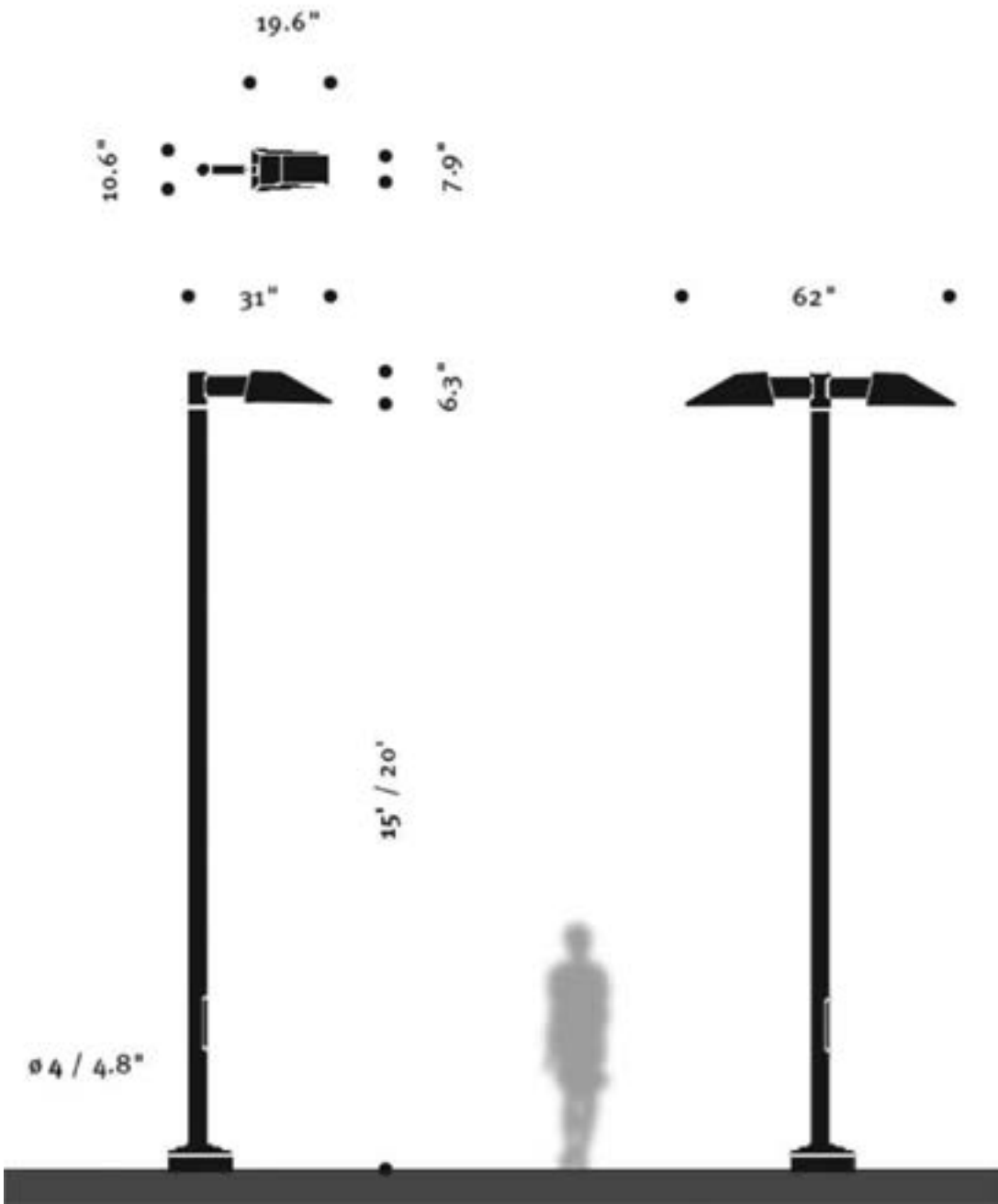
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DIMENSIONS

All dimensions are shown in inches unless otherwise noted.



MOUNTING DETAILS

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