Elements



TCP's LED Post Tops feature a sleek, modern look with high efficiency LEDs. An efficient alternative to metal halide, these post tops deliver bright, uniform light while providing energy savings and rebate eligibility. A long 50,000 hour rated life significantly decreases maintenance labor and material costs over the life of the fixture.

The robust die-cast aluminum housing is complemented by a durable acrylic lens that delivers an even Type V distribution. An integrated NEMA 7-pin photocell receptacle comes standard for use with 3-pin or 7-pin photocontrols or wireless nodes. A shorting cap is provided in case controls are not needed. The Post Tops fit over a 2.3/8 O.D. vertical tenon.

- Site Lighting
- Security Lighting
- Pathways
- Entrances
- Perimeters







LED Post Top

Features/Benefits

Up to 67% less energy than traditional metal halide	Instant energy savings and potential rebate eligibility				
Long 50,000 hour rated life	Minimizes replacements and labor costs				
Integrated 7-pin NEMA photocontrol receptacle with shorting cap	Comes standard; 3-pin or 7-pin photocontrol or wireless control node can be used				
Mercury free	Great for all environments				
Die-cast aluminum housing with acrylic optics	Provides an even Type V distribution				
UL approved for wet locations	Suitable for outdoor installation				
Fits over a 23/8" vertical tenon	Easy installation and retrofit application				

Specifications

Input Line Voltage	120-277V				
Input Line Frequency (Hz)	50/60HZ				
Lumens / Wattage	9000L (75W), 12500L (100W), 18750L (150W)				
Lumens per Watt (LPW)	120-125 LPW				
Color Temperature (CCT)	4000K, 5000K				
Dimming	0-10VDC dimming via 7-pin NEMA Photocontrol receptacle				
Controls	NEMA 7-pin Photocontrol Receptacle with Shorting Cap provided				
Rated Life	>50,000 hours				
Operating Temperature	-40°C to 40°C				
CRI	80+				
Power Factor	>0.9				
THD	<20%				

Warranty

Five year limited warranty against defects in manufacturing

Replacement Comparison

Туре	Wattage	Energy Savings (%)		
TCP Post Top A1 - 9000 Lumens	75W			
150W Metal Halide 200W Metal Halide	188W 230W	60% 67%		
TCP Post Top A2 - 12500 Lumens	100W	-		
200W Metal Halide 250W Metal Halide	230W 295W	57% 66%		
TCP Post Top A3 - 18500 Lumens	150W	-		
400W Metal Halide	458W	67%		













To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/qpl.



Applications

TCP's LED Post Tops are a highly efficient alternative to traditional metal halide fixtures. Ideal for outdoor applications requiring bright, uniform light including site lighting, security lighting, entrances, pathways and parking lots.

Construction

- Heavy duty die-cast aluminum housing
- Durable UV stabilized powder coat finish
- Fits over a 23/8" vertical tenon
- Folds flat to reduce shipping costs

Electrical

- NEMA 7-pin photocontrol receptacle with shorting cap accepts 3-pin or 7-pin photocontrols or wireless control nodes
- System rated for long 50,000 hour rated life
- cULus wet location rated

Optics

• Acrylic optic provides Type V distribution



Listings

cUlus Listed – wet location rated RoHS Compliant DLC v4.4 Standard

Installation

Before installation, please consult your local ordinances and building codes for compliance

Warranty

Five year limited warranty against defects in manufacturing

Lumen Maintenance

Lumen Maintenance Factor					
ltem#	36,000 hours ¹	50,000 hours ¹	100,000 hours ²	Reported L ₇₀ (hours) ¹	
Al	92.88%	90.25%	81.43%	>54,000	
A2	92.88%	90.25%	81.43%	>54,000	
A3	92.88%	90.25%	81.43%	>54,000	

- ¹ IESNA TM-21-11 projected value based on 6X IESNA LM-80-08 total test duration.
- ² IESNA TM-21-11 calculated value exceeds 6X IESNA LM-80-08 total test duration.

Catalog Ordering Matrix Example: PTUZDA1T540KN7BR

FAMILY	VOLTAGE	DIMMING	LUMENS PACKAGE (Power) ^{1,2}	DISTRIBUTION	ССТ	PHOTOCELL RECEPTACLE ³	COLOR
PT – Post Top	U – 120-277V	ZD – 0-10V Dimming	A1 - 9000 Lumens (75W) A2 - 12500 Lumens (100W) A3 - 18750 Lumens (150W)	T5 – Type V	40K - 4000K 50K - 5000K	N7 – NEMA 7-Pin	BR - Bronze

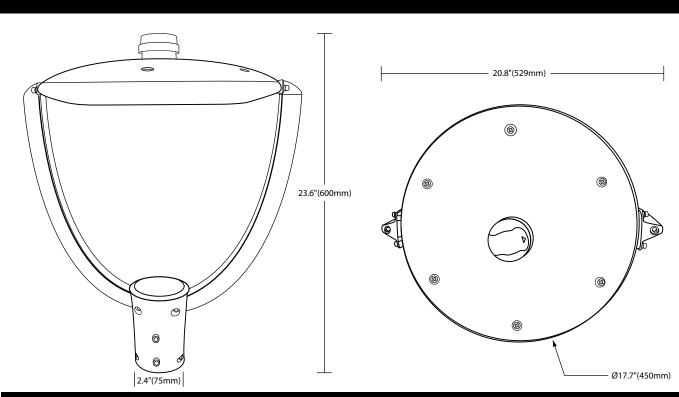
Approximate lumen output. Actual performance may vary based on CCT, options selected and end user application. ² Actual wattage may vary by +/- 10%.

Performance Data

Lumen	System	Drive Current		Distribution	4000K 70CRI		5000K 70CRI		B-U-G
Package	Watts	(mA)	Voltage	Туре	Lumens	LPW	Lumens	LPW	Rating
Al	75	95	120-277V	V	9025	120	9205	123	B3-U3-G1
A2	100	100	120-277V	V	12359	124	12606	126	B3-U3-G1
A3	150	100	120-277V	V	18292	122	18658	124	B4-U3-G1

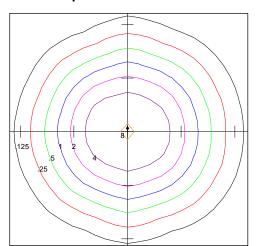
³ Shorting cap provided. Can be used with a standard 3-pin photocontrol or a wireless control node.

LED TECHNICAL DATA



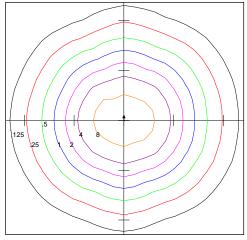
Photometric Report

TCP Item # PTUZDA1T540KN7BR Polar Graph



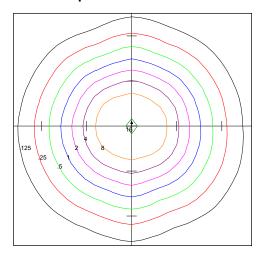
Horizontal Footcandles Scale: 1 Inch = 20 Ft. Light Loss Factor = 1.00 Lumens Per Lamp = N.A. (absolute photometry) Luminaire Lumens = 9025 Mounting Height = 20.00 Ft Maximum Calculated Value = 9.33 Fc Arrangement: Single

TCP Item # PTUZDA2T540KN7BR Polar Graph



Horizontal Footcandles Scale: 1 Inch = 20 Ft. Light Loss Factor = 1.00 Lumens Per Lamp = N.A. (absolute photometry) Luminaire Lumens = 12359 Mounting Height = 20.00 Ft Maximum Calculated Value = 12.99 Fc Arrangement: Single

TCP Item # PTUZDA3T540KN7BR Polar Graph



Horizontal Footcandles Scale: 1 Inch = 20 Ft. Light Loss Factor = 1.00 Lumens Per Lamp = N.A. (absolute photometry) Luminaire Lumens = 18292 Mounting Height = 20.00 Ft Maximum Calculated Value = 18.96 Fc Arrangement: Single

