

Catalog Number	
Notes	Type

PTUE3

Utility Taft Postop LED



SPECIFICATIONS

General Description

The decorative post top lantern is ideal for lighting city streets, residential areas, campuses, parking lots, and walkways. The architectural luminaire consists of a luminaire housing, a prismatic optic, and a decorative cover.

Optical Assembly

The optical assembly consists of a prismatic glass or acrylic refractor to precisely distribute light with excellent visual comfort and reduced glare. Configurable with CCT options of 2700K, 3000K, and 4000K. CRI is 70 minimum. Available in symmetric and asymmetric distributions.

Electrical Assembly

The cast aluminum electrical housing allows tool-less access with a spring loaded latch. The hidden hinge allows the door to swing open and remain open for easy access. A (3) station terminal block is provided to accept #14 through #2 size wire. The programmable LED driver includes 0-10V dimming with optional DALI dimming. Driver is available in 120-277V, 347-480V, and 277V-480V options (50/60 Hz). Driver life is rated to at least 100,000 hours. The 277V-480V (XVOLT) option includes enhanced power quality protection for maximum robustness against loss of neutral, voltage transients, harmonic disturbances, and other real-world power quality disturbances.

Finish

The luminaire housing and decorative cover are low copper cast aluminum and finished with corrosion resistant super durable powder coat paint for maximum durability. Rigorous multi-stage pre-treating and painting process yields a finish that achieves a scribe creepage rating of 8 (per ASTM D1654) after over 5,000 hours exposure to salt fog chamber (operated per ASTM B117)

Mounting

Luminaire includes an integral slipfitter that accepts a 3" tall by Ø2-7/8" - 3-1/8" O.D. tenon. Secured to the tenon by 6 set screws

Control Options

Optional controls include:

- Field adjustable output (AO) module for manual adjustment of lumen output of the luminaire
- Industry standard 7-pin NEMA photocontrols, optionally mounted inside the housing or externally in place of the finial
- "nLight AIR enabled" for connection to nLight AIR wireless control networks via internally mounted antenna (NLTAIR2) or via motion-sensing photocontrol (RSBOR6) DALI compatible drivers. Contact factory for details.
- Customization of lumen packages is possible. Consult factory for details.

Listing

The luminaire is CSA certified to US and Canadian standards. 20kV/10kA extreme surge protection per ANSI/IEEE C136.2. Suitable for operation in ambient temperatures from -40°C to 40°C. Optical chamber is sealed to IP66. DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

Buy American Act

This product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS and DOT regulations. Please refer to www.acuitybrands.com/resources/buy-american for additional information.

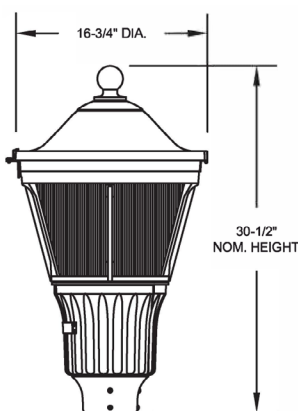
Warranty

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at: www.acuitybrands.com/support/warranty/terms-and-conditions

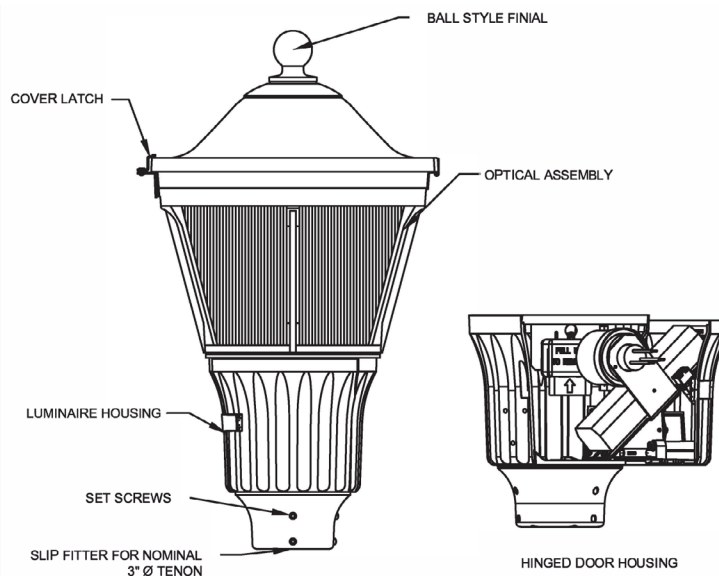
Note: Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



DIMENSIONAL DATA



Maximum Weight - 43 lbs
 Maximum Effective Projected Area:
 1.4 sq. ft.



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ORDERING INFORMATION

EXAMPLE: PTUE3 P30 30K MVOLT GL3 BK BL

Housing Style	LED Performance Package	Color Temperature	Voltage	Optics	Color	Finial
PTUE3 Utility Taft LED Post Top	P10 30W nominal	27K 2700K CCT	MVOLT 120-277V	<u>Acrylic Refractor</u>	BK Black	BL Ball
	P20 40W nominal	30K 3000K CCT	HVOLT 347-480V	AL3 Acrylic refractor type 3	BZ Bronze	SK Spike
	P30 50W nominal	40K 4000K CCT	XVOLT 277-480V with enhanced power quality protection	AL5 Acrylic refractor type 5	CMC Custom Match Color	NF None
	P40 60W nominal				GH Graphite	
	P50 70W nominal			<u>Glass Refractor</u>	GN Green	
	P60 80W nominal			GL3 Glass refractor type 3	GR Grey	
	P70 90W nominal			GL5 Glass refractor type 5	RALxxxxSDCR RAL Super Durable Corrosion Resistant, 80% Gloss Paint, replace xxxx with RAL number.	
	P80 100W nominal				WH White	

Options		
Control Options:	NEMA Label Options:	Prewire Lead Options:
A0 Field adjustable output	NL1x1 1"x1" ANSI wattage label	L1H 1.5' of prewire leads
RSBOR6 nLight Air motion sensing photocontrol	NL2x2 2"x2" ANSI wattage label	L03 3' of prewire leads
NLTAIR2 nLight AIR rIO 2.0 antenna		L10 10' of prewire leads
PR7 7-pin NEMA twistlock receptacle, internally mounted		L20 20' of prewire leads
PR7E 7-pin NEMA twistlock receptacle, replaces finial		L25 25' of prewire leads
P34 Long Life DTL Twistlock Photocontrol for Solid State, 347V		L30 30' of prewire leads
P48 Long Life DTL Twistlock Photocontrol for Solid State, 480V		
PCLL Long Life DTL Twistlock Photocontrol for Solid State, MVOLT		
SH Shorting cap		
DALI DALI driver (RFD Required)		

Accessories: Order as separate catalog number.	
House Side Shield Field Installed Options:	
PHSS90	House side shield solid 90 degree
PHSS120	House side shield solid 120 degree
PHSS180	House side shield solid 180 degree
Surge Replacement Field Installed Options:	
SPDPLUGIN-MVOLT-20KV	Replacement for 120-277V 20KV/ 10KA
SPDPLUGIN-HVOLT-20KV	Replacement for 347-480V 20KV/ 10KA

MARK APPROPRIATE BOX FOR FINIAL OPTION

FINIALS



No Finial (NF)

Ball (BL)

Spike (SK)

PERFORMANCE DATA

Performance Package	System Watts	Optical Distribution	27K (2700K, 70 CRI)		30K (3000K, 70 CRI)		40K (4000K, 70 CRI)	
			Lumens	LPW	Lumens	LPW	Lumens	LPW
P10	31	GL3	3,526	113	3,806	122	3,876	125
		GL5	3,437	110	3,709	119	3,777	121
		AL3	3,542	114	3,823	123	3,893	125
		AL5	3,545	114	3,826	123	3,896	125
P20	40	GL3	4,617	114	4,983	123	5,075	125
		GL5	4,500	111	4,856	120	4,946	122
		AL3	4,638	115	5,006	124	5,098	126
		AL5	4,641	115	5,009	124	5,101	126
P30	51	GL3	5,692	112	6,144	121	6,257	124
		GL5	5,548	110	5,987	118	6,097	120
		AL3	5,718	113	6,171	122	6,285	124
		AL5	5,722	113	6,176	122	6,289	124
P40	59	GL3	6,869	116	7,413	125	7,550	127
		GL5	6,694	113	7,225	122	7,358	124
		AL3	6,900	116	7,447	126	7,584	128
		AL5	6,905	117	7,452	126	7,589	128
P50	70	GL3	7,873	113	8,497	122	8,653	124
		GL5	7,673	110	8,281	119	8,433	121
		AL3	7,909	113	8,535	122	8,692	125
		AL5	7,914	114	8,542	122	8,699	125
P60	80	GL3	8,811	111	9,509	119	9,684	122
		GL5	8,587	108	9,267	116	9,438	119
		AL3	8,851	111	9,552	120	9,728	122
		AL5	8,857	111	9,559	120	9,735	122
P70	90	GL3	9,730	108	10,501	117	10,694	119
		GL5	9,482	105	10,234	114	10,422	116
		AL3	9,774	108	10,549	117	10,743	119
		AL5	9,781	109	10,556	117	10,750	119
P80	100	GL3	10,504	105	11,337	113	11,545	115
		GL5	10,237	102	11,048	110	11,251	112
		AL3	10,551	105	11,388	114	11,597	116
		AL5	10,559	105	11,396	114	11,605	116

OPTIONS MATRIX

		Voltage			Optic				Finial			Control				Photocontrol Receptacle		Photocontrol			
		MVOLT	HVOLT	XVOLT	GL3	GL5	AL3	AL5	BL	SK	NF	AO	DALI	RSBOR6	NLTAIR2	PR7	PR7E	PCLL	P34	P48	SH
Performance Package	P10	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P20	Y	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P30	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P40	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P50	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P60	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P70	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
	P80	Y	Y	Y	Y	Y	N	N	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
Voltage	MVOLT				Y	Y	Y	Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	N	N	Y	
	HVOLT				Y	Y	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	N	Y	Y	Y	
	XVOLT				Y	Y	N	N	Y	Y	Y	N	N	N	Y	Y	Y	Y	Y	Y	
Optic	GL3	Y	Y	Y					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	
	GL5	Y	Y	Y					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	
	AL3	Y	Y	N					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	
	AL5	Y	Y	N					Y	Y	Y	Y	RFD	Y	Y	Y	Y	Y	Y	Y	
Finial	BL	Y	Y	Y	Y	Y	Y	Y				Y	RFD	Y	Y	Y	N	Y	Y	Y	Y
	SK	Y	Y	Y	Y	Y	Y	Y				Y	RFD	Y	Y	Y	N	Y	Y	Y	Y
	NF	Y	Y	Y	Y	Y	Y	Y				Y	RFD	Y	Y	Y	Y	Y	Y	Y	Y
Control	AO	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y					Y	Y	Y	Y	Y	
	DALI	RFD	N	N	RFD	RFD	RFD	RFD	RFD	RFD	RFD					RFD	RFD	RFD	RFD	RFD	
	RSBOR6	Y	Y	N	Y	Y	Y	Y	Y	Y	Y					N	N	N	N	N	
	NLTAIR2	Y	Y	N	Y	Y	Y	Y	Y	Y	Y					N	N	N	N	N	
Photocontrol Receptacle	PR7	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N			Y	Y	Y	Y	
	PR7E	Y	Y	Y	Y	Y	Y	Y	N	N	Y	Y	RFD	N	N			Y	Y	Y	Y
Photocontrol	PCLL	Y	N	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y					
	P34	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y					
	P48	N	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y					
	SH	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	RFD	N	N	Y	Y				

OPTIONS MATRIX Legend

Y = Option combination is available
 N = Option combination is not available
 RFD = Additional information required, consult factory

Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Luminaire Ambient Temperature (LAT) Factor		
Temperature (°C)	Temperature (°F)	Lumen Multiplier
0°C	32°F	1.04
5°C	41°F	1.03
10°C	50°F	1.02
15°C	59°F	1.01
20°C	68°F	1.01
25°C	77°F	1.00
30°C	86°F	0.99
35°C	95°F	0.98
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 9,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

LED Lumen Maintenance							
Performance Package	Initial	25,000 hours	36,000 hours	50,000 hours	60,000 hours	75,000 hours	100,000 hours
P10 thru P70	1.00	0.95	0.94	0.91	0.90	0.88	0.84
P80	1.00	0.94	0.91	0.89	0.86	0.83	0.79

The italicized data is extrapolated beyond the TM-21 standard.