

Luminaire

All housing components are all heavy wall cast aluminum alloy (A356 alloy, <0.2% copper). Removable internal heatsink provides direct mounting of the LED modules and thermal control for long life and efficiency. Optical goes through the aperture of housing top. Driver is accessed through filler cap at strut base. All Hardware is stainless steel.

Post Top Mounting

Luminaire filler mounts over 2 7/8" O.D. x 3.00" tenon. Stainless steel set screws provided for leveling and securing luminaire over tenon.

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. LED optics completely seal each individual emitter to meet an IP66 rating. In asymmetric distributions, a micro-reflector inside the refractor redirects the house side emitter output towards the street side, maximizing usable light. Optional house side shields are available that cover each individual optic. Reflectors 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. Quick-disconnects are provided above each panel for fast field replacement. All future optical options will provide a 100' no uplight optical package and are dark sky friendly.

Ambience™ Low Luminance Lens

Optional Ambience Lens (AL) provides low luminance reduced glare distributions. Lens diffuses the PLED Optics and provides a more uniform luminance across the aperture reducing glare at all angles. Lens is provided with an aluminum frame and is sealed to the housing with high temp gasketing.

LED Emitters

LED thermal management is designed to maintain LED operating temperature below 90 °C, well below the manufacturers thermal max of 150 °C for long life, high lumen maintenance and color stability. High Power White LED's are driven between 350mA and 875mA for a maximum output of 2.6 Watts nominal. LED's are available in standard Warm White (2700K & 3000K), Neutral White (4000K) and Cool White (5000K). All Standard LED's have a minimum of 70,000, Consult Factory for other LED options. Lumen Maintenance of L93 at 100,000 hours (TM-21 calculated at 6x Test Time).

True Amber LED's TRA-True Amber LED's emit light in the amber spectral bandwidth centered on 585-590nm. True Amber has negligible blue light and is suitable for wildlife.

LED Driver

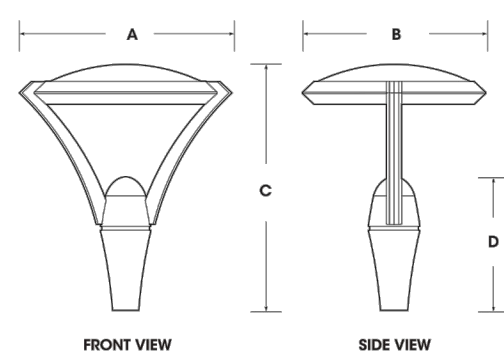
Constant current electronic with a power factor of >.90 and a minimum operating temperature of -40°F/-40°C. Driver(s) is/are UL and cUL recognized. In-line terminal blocks facilitate wiring between the driver and optical arrays. Drivers accept an input of 120-277V, 50/60Hz or 347V-480V, 50/60Hz. 0 - 10V dimmable driver is standard. Driver has a minimum of 3KV internal surge protection. Luminaire supplied with a separate 200V surge protector for field installation.

Finish

Super TGIC polyester powder coating is applied onto a metal substrate this has been pretreated with a four-stage process for maximum adhesion and color retention. The top coat is baked at 400° F for maximum hardness and exterior durability.

PROJECT NAME:

PROJECT TYPE:

**PAC-PT2**
(PAC24-PT2 shown)

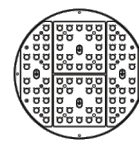
Fixture	A	B	C	D
PAC24-PT2	28" 717mm	24" 609mm	32" 813mm	17.5" 445mm
PAC18-PT2	22" 560mm	19" 483mm	26" 660mm	14" 356mm



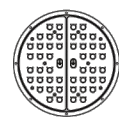
UL Listed for Wet Location



2023087

U.S. Pole Company Inc.
An Employee Owned Company440 West Avenue O, Pompano, CA 92651
Phone (661) 233-2002 www.usatg.comU.S. ARCHITECTURAL
LIGHTING**PAC-PT2 SERIES - PLED****PLED™ MODULES**

80 LED Module



48 LED Module



36 LED Module



20 LED Module

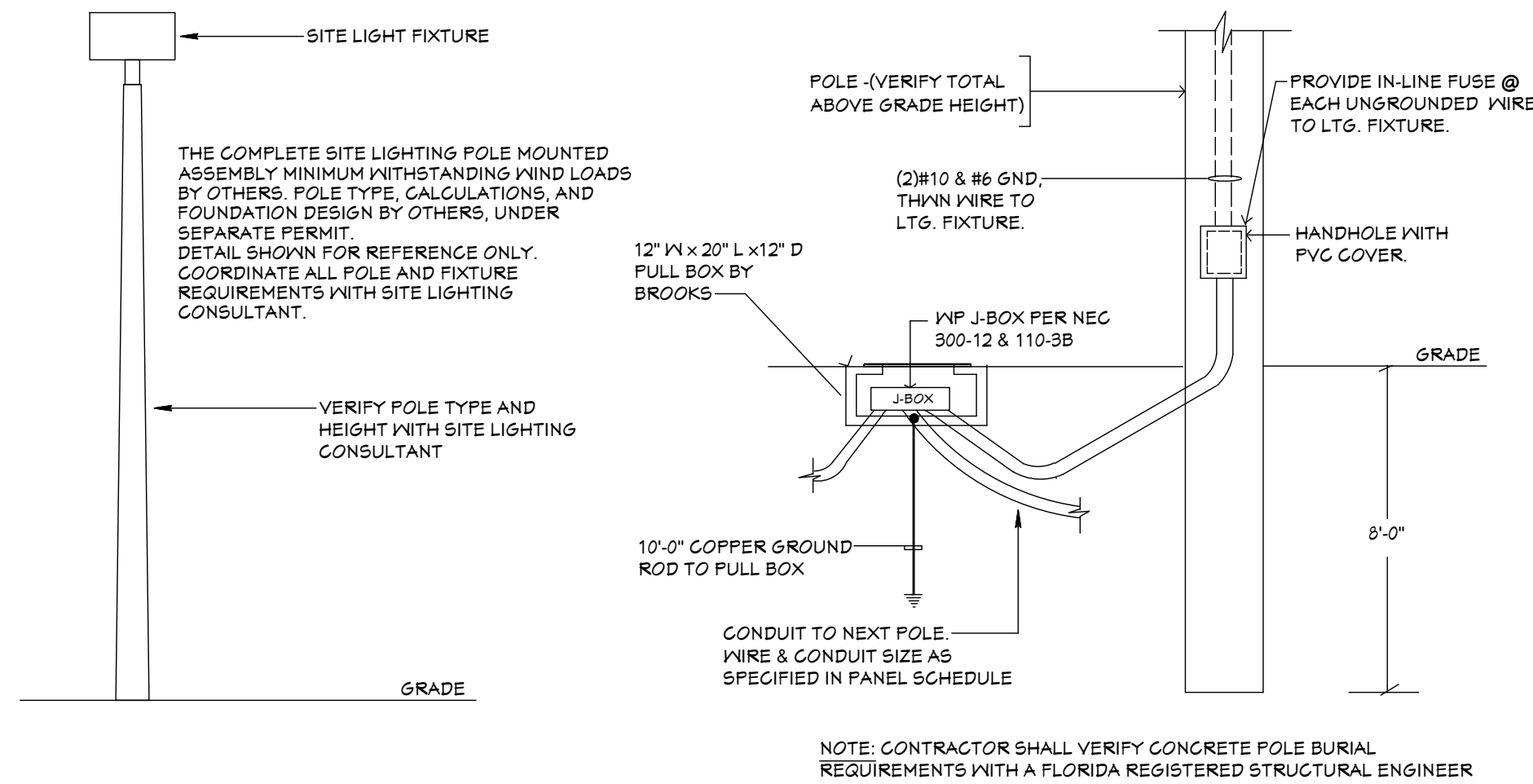
ORDERING INFORMATION

Spec/Order Example: PAC24-PT2/PLED-4/36LED-525mA/27K/UNV/RAL-9005-S/TPR2

Luminaire	Optics	LED Mode	Voltage	Finish	Options
Luminaire	Optics	LED	Voltage	Finish	Options
<input type="checkbox"/> PAC24-PT2	<input type="checkbox"/> PLED-II <input type="checkbox"/> PLED-III-FT	<input type="checkbox"/> 80LED ¹ <input type="checkbox"/> 48LED ² <input type="checkbox"/> 36LED ³ <input type="checkbox"/> 20LED ⁴	<input type="checkbox"/> 875mA <input type="checkbox"/> 700mA <input type="checkbox"/> 525mA <input type="checkbox"/> 350mA <input type="checkbox"/> 175mA	<input type="checkbox"/> 27K (2700K) <input type="checkbox"/> 30K (3000K) <input type="checkbox"/> 40K (4000K) <input type="checkbox"/> 50K (5000K) <input type="checkbox"/> TRA ⁵ True Amber	<input type="checkbox"/> UNV (120-277) <input type="checkbox"/> 347 <input type="checkbox"/> 480
<input type="checkbox"/> PAC18-PT2	<input type="checkbox"/> PLED-III <input type="checkbox"/> PLED-III-W <input type="checkbox"/> PLED-IV <input type="checkbox"/> PLED-IV-FT <input type="checkbox"/> PLED-V-S&N <input type="checkbox"/> PLED-V-S&M <input type="checkbox"/> PLED-V-S&W	<input type="checkbox"/> 80LED available in PAC24-PT2 only <input type="checkbox"/> 36LED available in PAC18-PT2 only <input type="checkbox"/> 175mA available in 350mA & 525mA Drive Currents only <input type="checkbox"/> Ambience Lens available in PAC24-PT2 (MS311) and PAC18-PT2 (MS311 only) <input type="checkbox"/> Consult factory for other CCT, CR, & Drive Current options	<input type="checkbox"/> 27K (2700K) <input type="checkbox"/> 30K (3000K) <input type="checkbox"/> 40K (4000K) <input type="checkbox"/> 50K (5000K) <input type="checkbox"/> TRA ⁵ True Amber	<input type="checkbox"/> UNV (120-277) <input type="checkbox"/> 347 <input type="checkbox"/> 480	<input type="checkbox"/> Internal House Side Shield Incl. LED Choke (Example: HSC48) HS-PLED <input type="checkbox"/> Tied Lock Reclosable Only TPR <input type="checkbox"/> 7 Pin Tied Lock Reclosable Only TPR2 <input type="checkbox"/> High-Low Dimming for Switch by On/Off/Select Levels 50/100/50/100 (Example: HSW20) HSW <input type="checkbox"/> Tied Lock Protocol - Voltage (Example: PC24V) PC-V <input type="checkbox"/> Photocell - Voltage (Example: PC20V) PC-V <input type="checkbox"/> Single Fuse (Example: SFR70V) SF-V <input type="checkbox"/> Double Fuse (Example: DFR4V) DF-V <input type="checkbox"/> Blue-Tooth Programmable Photo Motion Sensor (Factory: Motion 50/100, Range: 700) MS-F311
PLED™ Diffuser Type For N/A Options: <input type="checkbox"/> PLED-II <input type="checkbox"/> PLED-III-FT <input type="checkbox"/> PLED-III-W <input type="checkbox"/> PLED-IV <input type="checkbox"/> PLED-IV-FT <input type="checkbox"/> PLED-V-S&N <input type="checkbox"/> PLED-V-S&M <input type="checkbox"/> PLED-V-S&W Ambience™ Lens Option 4: <input type="checkbox"/> AL-ASY <input type="checkbox"/> AL-ASY-HS <input type="checkbox"/> AL-SYM					
Standard Textured Finish <input type="checkbox"/> Black RAL-9005-T <input type="checkbox"/> White RAL-9003-T Only <input type="checkbox"/> Grey RAL-7004-T <input type="checkbox"/> Dark Bronze RAL-8019-T <input type="checkbox"/> Green RAL-6005-T Premium Finishes <input type="checkbox"/> Rust <input type="checkbox"/> Poling Copper <input type="checkbox"/> PC For smooth finish regions only, 1" with buffer 1/2" with buffer 1/2" (Example: HSW400-0) Consult factory for custom colors					

POLE MOUNT DETAIL (TYPICAL)

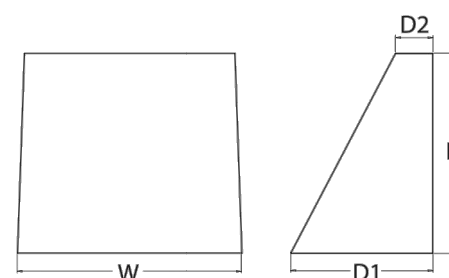
N.T.S.

**FIXTURE TYPE "PT"****FIXTURE TYPE "W"****WDGE1 LED**

Architectural Wall Sconce

**Specifications**

Depth (D1): 5.5"
Depth (D2): 1.5"
Height: 8"
Width: 9"
Weight: 9 lbs (without options)



Catalog Number

Notes

Type

100 line 100 key or mouse over the page to see all interactive elements.

Introduction

The WDGE LED family is designed to meet specifier's every wall-mounted lighting need in a widely accepted shape that blends with any architecture. The clean rectilinear design comes in four sizes with lumen packages ranging from 1,200 to 25,000 lumens, providing true site-wide solution.

WDGE1 delivers up to 2,000 lumens with a soft, non-pixelated light source, creating a visually comfortable environment. The compact size of WDGE1, with its integrated emergency battery backup option, makes it an ideal over-the-door wall-mounted lighting solution.

Items marked by a **shaded background** qualify for the Design Select program and ship in 15 days or less. To learn more about Design Select, visit www.usatgbrands.com/designselect.
*See ordering tree for details.

design select

WDGE LED Family Overview

Luminaire	Optics	Standard EM, 0° C	Cold EM, 20° C	Sensor	Approximate Lumens (4000K, 80CRI)						
					P0	P1	P2	P3	P4	P5	P6
WDGE1 LED	Visual Comfort	4W		--	750	1,200	2,000	--	--	--	--
WDGE2 LED	Visual Comfort	10W	18W	Standard / night	--	1,200	2,000	3,000	4,500	6,000	--
WDGE3 LED	Precision Reflective	10W	18W	Standard / night	700	1,200	2,000	3,200	4,200	--	--
WDGE3 LED	Precision Reflective	15W	18W	Standard / night	6,000	7,500	8,500	10,000	12,000	--	--
WDGE4 LED	Precision Reflective			Standard / night	--	12,000	16,000	18,000	20,000	22,000	25,000

Ordering Information

EXAMPLE: WDGE1 LED P2 40K 80CRI VF MVOLT SRM PE DDBXD

Series	Package	Color Temperature	CRI	Distribution	Voltage	Mounting	
WDGE1 LED	P0	27K 2700K	80CRI	VF	MVOLT 347°	Shipped included	
	P1	30K 3000K	90CRI	VW		SRM Surface mounting bracket	
	P2	35K 3500K				ICW In-line Energy Calling Washer bracket (dry/damp locations only)	
		40K 4000K				Shipped separately	
		50K 5000K				AWS 3/8" Arch Architectural wall spacer*	
						PBBW Surface-mounted back box (top, left, right, conduit entry) Use when there is no junction box available.	
Options				Finish			
EAWH	Emergency battery backup, Certified in CA Title 20 MAB2B5 (AW, 0° C, min)						
PE	Photo, Button, Type*						
DS	Dual switching (comes with 2 drivers and 2 light engines; see page 3 for details)						
DWG	0-10V dimming wires pulled outside fixture (for use with an external control, ordered separately)						
BCE	Bottom conduit entry for back box (PBBW), total of 4 entry points.						
DLE	Dual Switching (1 Dimm, 2 Light Engines)						
CE	Conical Connection*						
				DDBXD	Dark bronze	DDBTD	Textured dark bronze
				DBLBD	Black	DBLBD	Textured black
				DNAXD	Natural aluminum	DNAXTD	Textured natural aluminum
				DWNSD	White	DWNSD	Textured white
				DSSD	Sandstone	DSSD	Textured sandstone



COMMERCIAL OUTDOOR

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WDGE1 LED

Rev. 04/02/25



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WDGE1 LED

Rev. 04/02/25

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ELECTRICAL DESIGN IS UNDER A
SEPARATE PERMIT.

#25067

architecture + energy of intelligence

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DATE:	11-16-2025
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CONSTRUCTION:	

architect

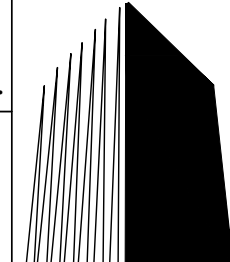
energy

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PRIOR TO SUBMITTING THE BID, THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND INFORM THE ARCHITECT AND THE ENGINEER OF ANY DISCREPANCY BETWEEN THESE DOCUMENTS AND THE EXISTING CONDITIONS AND SHALL INCLUDE IN THE BID TO CORRECT THE SAME AS DIRECTED. THE ENGINEER AND THE ARCHITECT, ARE NOT RESPONSIBLE FOR ANY ADDITIONAL COSTS RESULTING FROM VERIFIABLE EXISTING CONDITIONS DISCOVERED AFTER CONTRACT HAS BEEN AWARDED. NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD. ALL CHANGES SHALL BE SUBMITTED FOR REVIEW PRIOR TO INSTALLATION. NOT FOR BID UNTIL PERMIT SET HAS BEEN ISSUED.



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