

TPLA TENNIS AND PICKLEBALL LIGHT

LED Tennis and Pickleball Light with Selectable Lumen

Introduction

- ◆ The Tennis and Pickleball Light, a cutting - edge lighting solution, is tailor - made for sports venues. Engineered with a strong emphasis on reliability and cost - efficiency, this fixture delivers 41,000lm to 103,800lm, which can replace 500W to 1,200W HID luminaires, enabling users to implement energy-saving lighting setups effortlessly.
- ◆ The whole family includes two different sizes. Specifically, adding an additional module to the 400W fixture enables it to be assembled into a 600W fixture.
- ◆ Photocell and Zhaga motion sensor are also available. The fixture with Bluetooth control sensor is support LLC of HSE Smart Inc(Product ID: N-WPYM0L) and Litetrace(Product ID: N-BYH6ZO).
- ◆ Tennis and Pickleball Light is suitable for diverse scenarios, providing high-quality lighting for community courts, schools, corporate sports venues, and non-professional competition sites.

Product Specifications

Construction:

- ◆ Tennis and Pickleball Light features a rugged die-cast aluminum body that uses heatsink and flow-through venting to provide optimal thermal management that both enhances LED performance and extends component life. The light housing is sealed against moisture and environmental contaminants. The 3G vibration rated compact design minimizes wind load requirements. With a low EPA, it allows pole optimization.

Electrical:

- ◆ The Input voltage is 120-277VAC/120-347VAC/277-480VAC (50/60Hz).
- ◆ All models are designed to withstand up to L/N-PE: 20kV, L-N: 20kV surge.
- ◆ Equipped with a 0-10V continuous dimmable driver; Min. Dim Level: 0%. The fixtures do not have dimming wires led out by default; an additional cost will be required for modification to include them.
- ◆ Power Factor ≥ 0.9
- ◆ THD $\leq 20\%$
- ◆ 2ft(24") long power cord provided for easier installation.



Optics:

- ◆ Light engines are available in 3000K, 4000K, 5000K, and CRI70 configurations.
- ◆ Two distributions Tennis Court TYPEIII and Sports Field optional.

Finish:

- ◆ Dark bronze color is standard. Dark green(RAL6005) and black color are available.

Ambient Temperature:

- ◆ -40° F (-40° C) to 122° F (50° C).

Listing:

- ◆ cULus listed for wet locations.
- ◆ DLC® (DesignLights Consortium) Qualified. Please refer to the DLC website for specific product qualifications at www.designlights.org.

Warranty:

- ◆ 5-years limited warranty.

Ordering Guide

EXAMPLE: TPLA600WS50KLVTCSFDCPS

Product name TPLA	Wattage ¹ XXXWS	CCT XXK	Input Voltage ² AA	Dist.Type HH	Mounting XX	Finish ³ YY	Photocontrol Z	Sensor K
TPLA	400WS=400/320/ 240W Selectable 600WS=600/480/ 360W Selectable Note: WS= Wattage Selectable	30K=3000K 40K=4000K 50K=5000K	UV=120-277VAC LV=120-347VAC HV=277-480VAC	TC=Tennis Court TYPEIII SP=Sports Field	SF=Slipfitter Mount PA=Square and Round Pole Mount Arm TR=Trunnion Mount YK=Yoke mount AA=Adjustable Square and Round Pole Mount Arm UB=Universal Bracket WM=Wall Mount	DC=Dark Bronze color GC=Dark Green color BC=Black color WC=White color SC=Silvery color OC=Other colors	Blank=without Photocell P=with Photocell	Blank=without Sensor S=Sensor BS=Networking Wireless Control version Sensor

Note: 1. 400WS=400W, 320W, 240W Selectable, 400W default setting. 600WS=600W, 480W, 360W Selectable, 600W default setting.

2. The Input Voltage 120-277VAC and 277-480VAC is for US Market, 120-347VAC is for Canada Market only.

3. Finishes in grey text are custom colors. For orders, please contact us in advance.

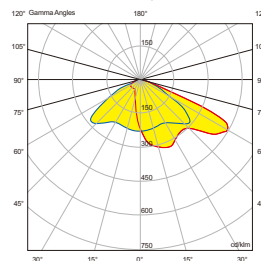
Performance Data

Lumen values are based on 120V AC input product configuration, contact for performance data on any configurations not shown here.

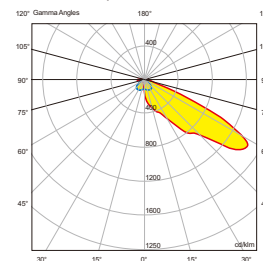
Model	Lumen Level	Wattage Selectable	Nominal CCT	CCT Selectable	Lumens	Watts	B	U	G	LPW	CRI
TPLA400WSXXKAATCXXYYZK	1	Yes	3000	No	66,350	400	4	0	4	166	>70
			4000		68,000	400	4	0	4	170	
			5000		69,600	400	4	0	4	174	
	2		3000		53,900	320	4	0	4	169	
			4000		55,200	320	4	0	4	173	
			5000		56,550	320	4	0	4	177	
	3		3000		41,000	240	4	0	4	171	
			4000		42,050	240	4	0	4	176	
			5000		43,050	240	4	0	4	180	
TPLA600WSXXKAATCXXYYZK	1	Yes	3000	No	99,050	600	5	0	4	166	>70
			4000		101,450	600	5	0	4	170	
			5000		103,800	600	5	0	4	173	
	2		3000		81,100	480	5	0	4	169	
			4000		83,050	480	5	0	4	173	
			5000		84,950	480	5	0	4	177	
	3		3000		61,850	360	5	0	4	172	
			4000		63,300	360	5	0	4	176	
			5000		64,800	360	5	0	4	180	

Photometric Diagrams

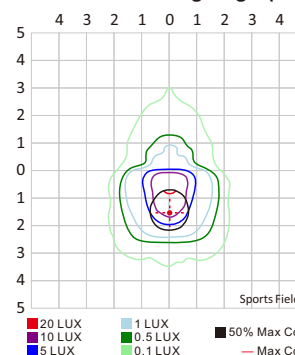
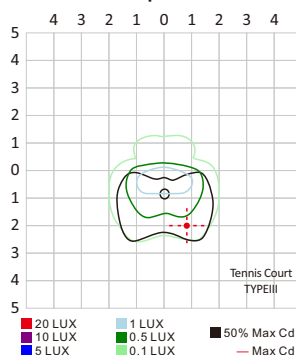
Tennis Court TYPEIII (As standard offer)



Sports Field



Isofootcandle plots for the 400W-5000K. Distances are in units of mounting height(30')



EPA (Square and round pole arm)

*Includes luminaire and integral mounting arm. Other tenons, arms, brackets or other accessories are not included in this EPA data

Mounting Type	Tilt	EPA(ft ²)								
		Single	2@90	2@180	3@90	3@120	4@90	2 Side by Side	3 Side by Side	4 Side by Side
										
Size 1	0°	0.30	0.30	0.94	1.18	1.06	1.53	0.60	0.90	1.20
	10°	0.60	0.60	0.94	1.48	1.33	1.92	1.20	1.80	2.40
	20°	1.11	1.11	1.11	1.99	1.79	2.59	2.22	3.33	4.44
	30°	1.64	1.64	1.64	2.53	2.28	3.29	3.28	4.92	6.56
	40°	1.98	1.98	1.98	2.86	2.57	3.72	3.96	5.94	7.92
	50°	2.40	2.40	2.40	3.28	2.95	4.26	4.80	7.20	9.60
	60°	2.71	2.71	2.71	3.60	3.24	4.68	5.42	8.13	10.84
	70°	2.97	2.97	2.97	3.86	3.47	5.02	5.94	8.91	11.88
	80°	3.12	3.12	3.12	4.00	3.60	5.20	6.24	9.36	12.48
Size 2	0°	0.30	0.30	1.20	1.45	1.31	1.89	0.60	0.90	1.20
	10°	0.86	0.86	1.20	2.01	1.81	2.61	1.72	2.58	3.44
	20°	1.57	1.57	1.57	2.71	2.44	3.52	3.14	4.71	6.28
	30°	2.24	2.24	2.24	3.39	3.05	4.41	4.48	6.72	8.96
	40°	2.72	2.72	2.72	3.87	3.48	5.03	5.44	8.16	10.88
	50°	3.27	3.27	3.27	4.42	3.98	5.75	6.54	9.81	13.08
	60°	3.72	3.72	3.72	4.87	4.38	6.33	7.44	11.16	14.88
	70°	3.94	3.94	3.94	5.10	4.59	6.63	7.88	11.82	15.76
	80°	4.15	4.15	4.15	5.34	4.81	6.94	8.30	12.45	16.60
	90°	4.19	4.19	4.19	5.38	4.84	6.99	8.38	12.57	16.76

Power Selection Capability



Power Select Technology

Size	Power Selection	Default Setting
Size 1	Adjust power between 400/320/240W	400W
Size 2	Adjust power between 600/480/360W	600W

Accessories

Photocell

Factory-Installable ONLY (purchased separately).



XSCKit01
Shorting Cap Kit (with receptacle)



XPCKit-UNV27V-207CSHP
Blue Twist-lock Photocell Kit (with receptacle) for TPLA, at 120-277VAC

	XPCKit-UNV34V Twist-lock Photocell Kit (with receptacle) for TPLA, at 120-347VAC		XPCKit-HV48V Twist-lock Photocell Kit (with receptacle) for TPLA, at 277-480VAC
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Sensor

Factory-Installable OR Field-Installable (purchased separately).

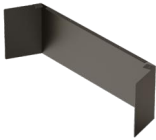
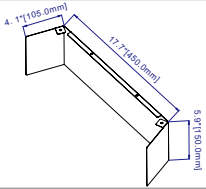
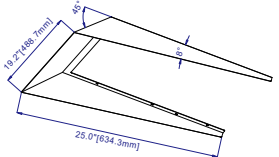
	XZGZ10CR-BA Zhaga Z10 Controls Receptacle for TPLA, Controls Receptacle Type: Other		HSE-SP9H-3 Zhaga motion PIR sensor for TPLA, Max. mounting height: 39.4ft
	HSE-BSP9H-3 Zhaga motion PIR sensor for TPLA, Max. mounting height: 39.4ft (Networking Wireless Control Version)		

Field-Installable / Field-Use ONLY (purchased separately)

	HD06R Remote Control
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Glare Shield

Field-Installable / Field-Use ONLY (purchased separately)

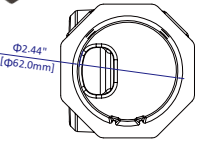
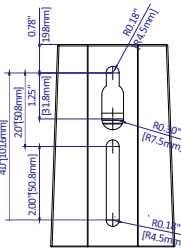
 	XTPLA-HGS-D-A External Half Glare shield for TPLA
 	XTPLA-HGS-D-B External Half Glare shield for TPLA



Mounting Information

Mounts and Brackets

May come with separate box with fixture (purchased separately).

 	ALHSPMD01 Slipfitter Mount for TPLA, Dark Bronze (Other customized colors are available.)	 	ALHAAMD02 Adjustable Square & Round Pole Mount for TPLA, Dark Bronze, Ver2 (Other customized colors are available.)
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	ALHSQMD02 Square & Round Pole Mount for TPLA, Dark Bronze, Ver2 (Other customized colors are available.)		XYKMD01 Yoke Mount for TPLA, Dark Bronze (Other customized colors are available.)
	ALHTRMD01 Trunnion Mount for TPLA, Dark Bronze (Other customized colors are available.)		ALHWMD01 Wall mount for TPLA, Dark Bronze (Other customized colors are available.)
	ALHUVMD01 Universal Bracket Mount for TPLA, Dark Bronze (Other customized colors are available.)		

Tenon Bracket

May come with separate box with fixture (purchased separately).

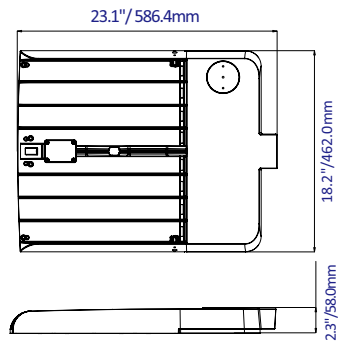
	XAP-PM-HT-2-A Horizontal Pole Mount with 2-3/8" O.D. Tenon Bracket,Dark Bronze (This tenon adapter can be install onto the pole for Tennies & Pickleball court, the used for mounting a fixture with an adjustable slip fitter.)
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Electrical Data

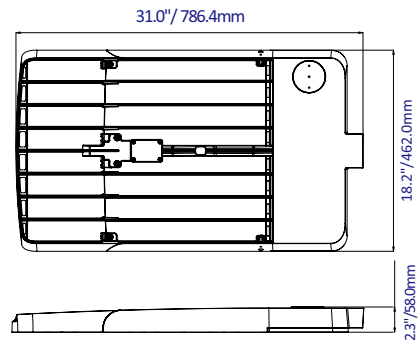
Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
TPLA400WS	240	2.22	1.28	1.11	0.96	0.77	0.56
	320	2.96	1.71	1.48	1.28	1.02	0.74
	400	3.70	2.14	1.85	1.60	1.28	0.93
TPLA600WS	360	3.33	1.92	1.67	1.44	1.15	0.83
	480	4.44	2.56	2.22	1.93	1.54	1.11
	600	5.56	3.21	2.78	2.41	1.92	1.39

Dimensions

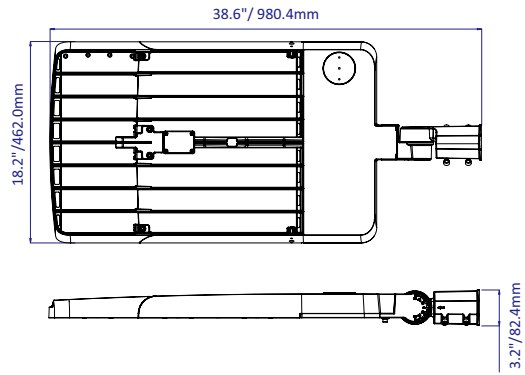
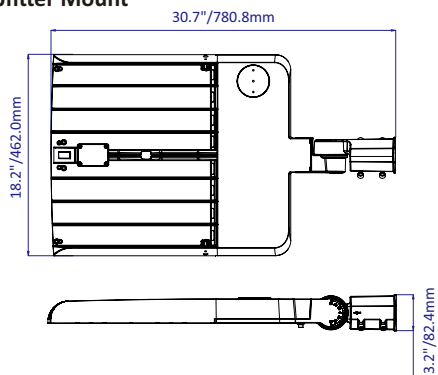
400W / 320W / 240W
Without Mounting Bracket



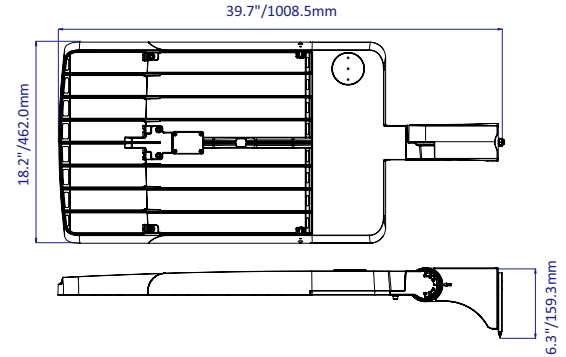
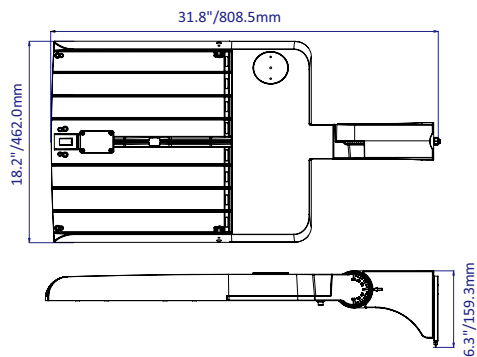
600W / 480W / 360W



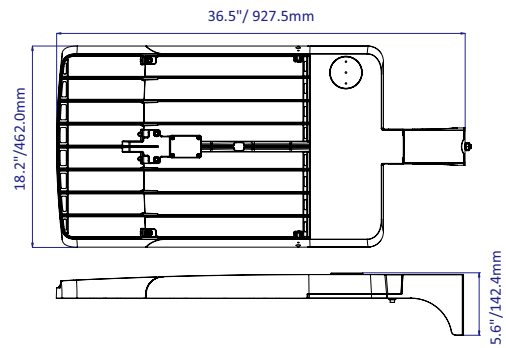
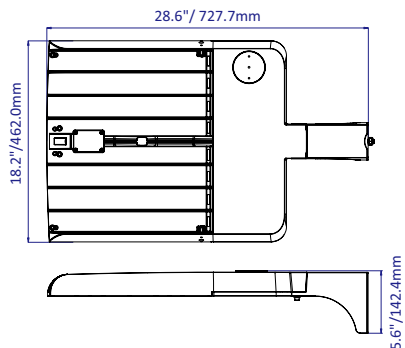
Slipfitter Mount



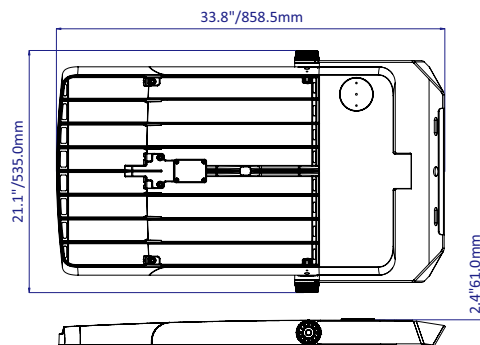
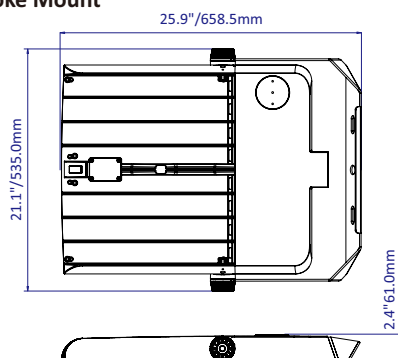
Adjustable Square & Round Pole Mount



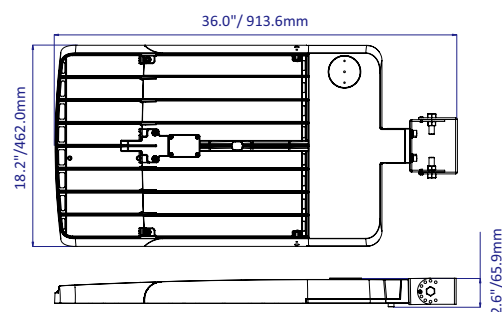
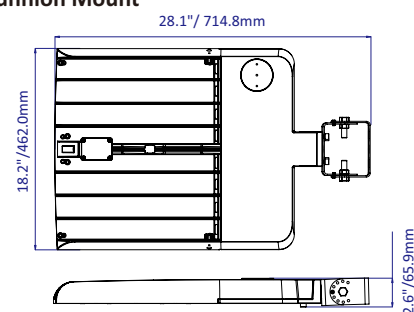
Square & Round Pole Mount



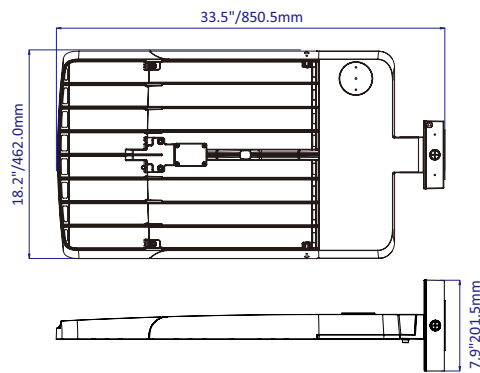
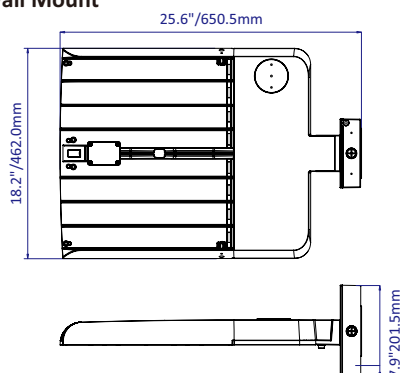
Yoke Mount



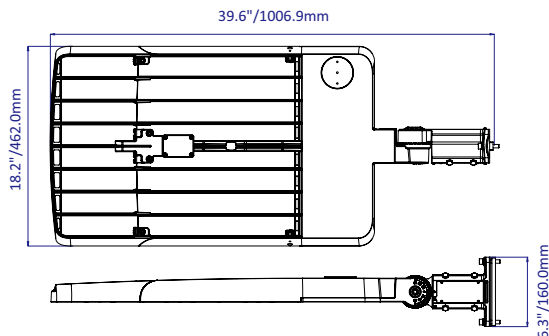
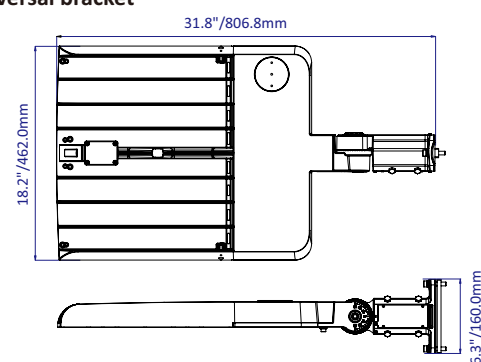
Trunnion Mount



Wall Mount



Universal bracket



Shipping Information

Model	Carton Size (in)	G.W. (lbs)	Per carton (pcs)	20GP (pcs)	40HQ (pcs)
TPLA400WS	26.97 x 20.47 x 4.53	23.15	1	557	1,532
TPLA600WS	34.84 x 20.47 x 4.53	27.12	1	432	1,188
ALHSPMD01 (Slipfitter Mount)	14.80 x 9.80 x 7.90	20.35	8	10,104	27,784
XYKMD01 (Yoke Mount)	28.15 x 21.65 x 13.58	57.06	10	1,730	4,760

Note: The packaging data can sometimes be outdated or incomplete. For the most reliable information, please reach out to us directly.