

VTPLA TENNIS AND PICKLEBALL LIGHT



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 38,400lm to 90,000lm, which can replace 400W to 1,000W 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. It also supports LLLC of HAISEN BLUE and Silvair. 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 AC120-277V/AC120-347V/AC277-480V (50/60Hz).
- All models are designed to withstand up to L/N-PE: 20kV, L-N: 20kV surge.
- 0-10V dimmable driver, and the dimming wire does not lead out from the fixture.
- Power Factor ≥ 0.9
THD $\leq 20\%$
2ft(24") long power cord provided for easier installation.

Finish:

- Dark bronze color is standard. White, black, silvery, green and customized color are available.

Ambient Temperature:

- -40° F (-40° C) to 122° F (50° C).

Listing:

- cULus Listed and DLC 5.1 Premium Pending.

Warranty:

- 5-years limited warranty. Complete warranty terms located at:

Ordering Guide

Example: VTPLA600WS50KLVTCSFDCPS

Product	CCT	Wattage	Type	Input Voltage	Mounting	Finish	Photocontrol
● VTPLA	○ 40K=4000K ○ 50K=5000K	○ 400WS=400/320/240W Selectable ○ 600WS=600/480/360W Selectable	○ TC=Tennis Court TYPEIII ○ SP=Sports Field	○ UV=AC120-277V ○ LV=AC120-347V ○ HV=AC277-480V	SF=Slipfitter Mount PA=Square and Round Pole Mount Arm TR=Trunnion Mount YK=Yoke mount AA=Adjustable Square and Round Pole Mount Arm	BC=black color WC=white color DC=Dark Bronze color SC=silvery color GC=green color OC=Other colors	Blank=without Photocell P=with Photocell Sensor Blank=without Sensor S=Sensor BS=Networking Wireless Control version Sensor

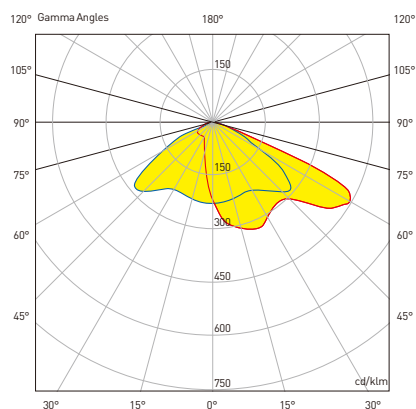


Performance Data

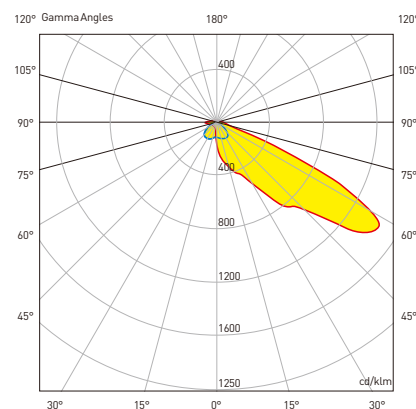
Model	Watts	Lumen@5000K	CCT	Input voltage
VTPLA400WSXXKAAHHXXYYZK	400/320/240W	Max.60,000lm	4000K or 5000K	120-277Vac/120-347Vac/ 277-480Vac 50/60Hz
VTPLA600WSXXKAAHHXXYYZK	600/480/360W	Max.90,000lm		

Photometric Diagrams

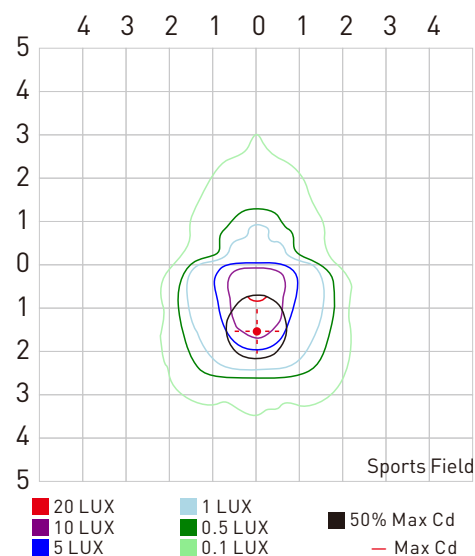
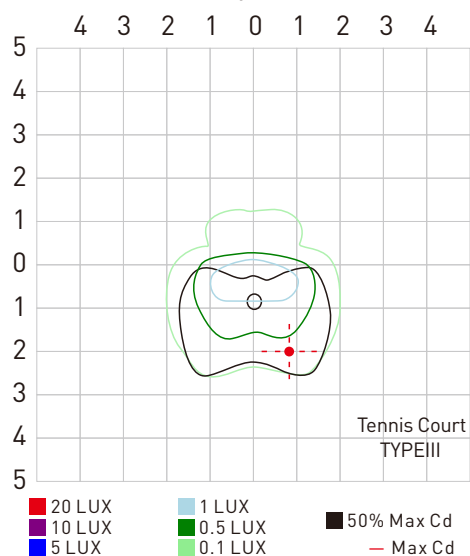
Tennis Court TYPEIII (As standard offer)



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
	90°	3.16	3.16	3.16	4.05	3.65	5.27	6.32	9.48	12.64
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-207C5HP Blue Twist-lock Photocell Kit (with receptacle) for XTPLA, at AC120-277V
	XPCKit-UNV34V Twist-lock Photocell Kit (with receptacle) for XTPLA, at AC120-347V		XPCKit-HV48V Twist-lock Photocell Kit (with receptacle) for XTPLA, at AC277-480V

Sensor

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

	XZGZ10SB-BA Zhaga Z10 sensor base for XTPLA		HSE-SP9H-3 Zhaga motion PIR sensor for XTPLA
	HSE-BSP9H-3 Zhaga motion PIR sensor for XTPLA (Networking Wireless Control Version)		

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

	HD06R Remote Control
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Mounting Information

Mounts and Brackets

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

	ALHSQMD02 Square & Round Pole Mount for XTPLA, Dark Bronze, Ver2 (Black, White, Grey and other customized color are available.)		ALHSPMD01 Slipfitter Mount for XTPLA, Dark Bronze (Black, White, Grey and other customized color are available.)
	ALHTRMD01 Trunnion Mount for XTPLA, Dark Bronze (Black, White, Grey and other customized color are available.)		ALHAAMD02 Adjustable Square & Round Pole Mount for XTPLA, Dark Bronze, Ver2 (Black, White, Grey and other customized color are available.)
	XYKMD01 Yoke Mount for XTPLA, Dark Bronze (Black, White, Grey and other customized color are available. And Factory-Installable ONLY.)		

Tenon Bracket

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

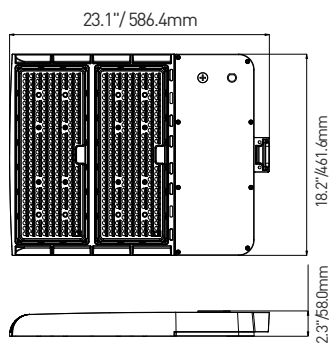
	XAP-PM-HT-2-A Horizontal Pole Mount with 2-3/8" O.D. Tenon Bracket, Dark Bronze (This tenon adapter can be install onto the pole for Tennes& Pickleball court, the used for mounting a fixture with an adjustable slip fitter.)
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Electrical Data

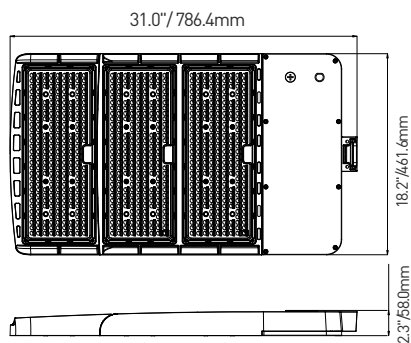
Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
VTPLA400WS	240	2.22	1.28	1.11	0.96	0.77	0.56
	320	2.96	1.71	1.48	1.28	1.02	0.74
	400	3.70	2.14	1.85	1.60	1.28	0.93
VTPLA600WS	360	3.33	1.92	1.67	1.44	1.15	0.83
	480	4.44	2.56	2.22	1.93	1.54	1.11
	600	5.56	3.21	2.78	2.41	1.92	1.39

Dimensions

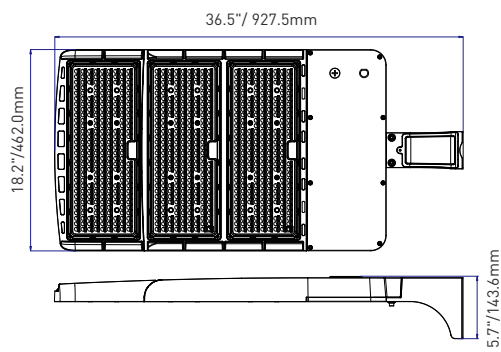
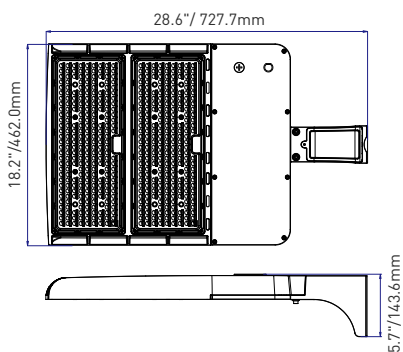
400W / 320W / 240W
Without Mounting Bracket



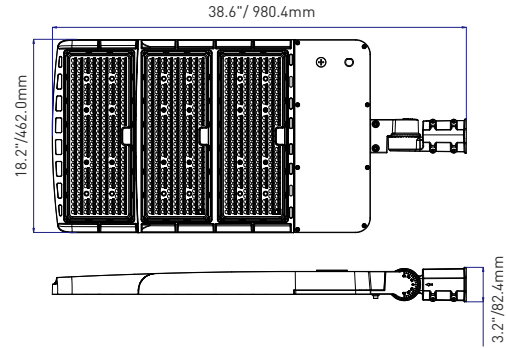
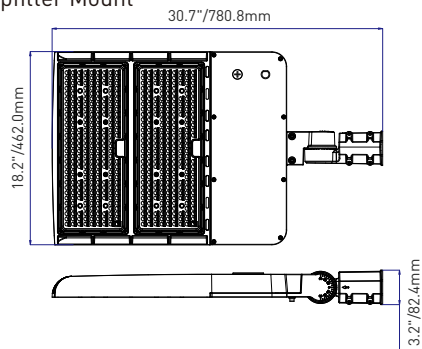
600W / 480W / 360W



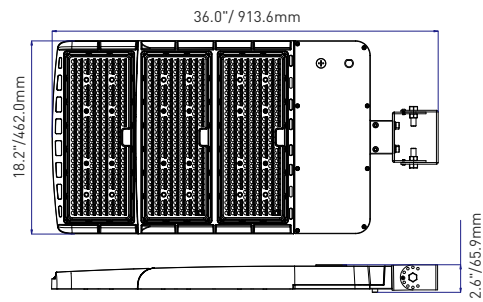
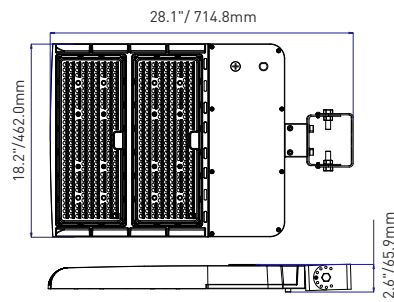
Square & Round Pole Mount



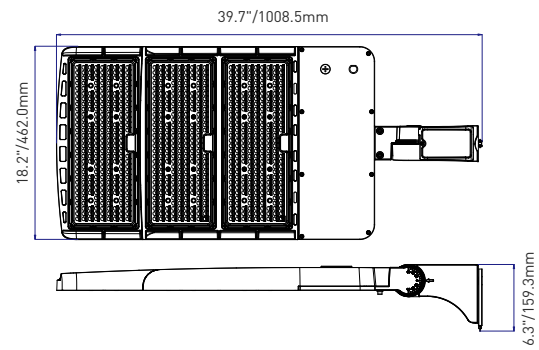
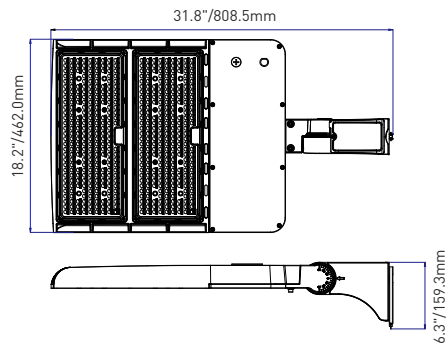
Slipfitter Mount



Trunnion Mount



Adjustable Square & Round Pole Mount



Yoke Mount

