

VTPLA TENNIS AND PICKLEBALL LIGHT

LED Tennis and Pickleball Light with Selectable Wattage



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 41,550lm 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 LLLC of HSE Smart Inc (Product ID: N-WPYMOL) and Litetrace(Product ID: N-BYH6ZO).



ORDERING GUIDE

EXAMPLE: VTPLA 600WS 50K UV TC SF DC P S

Series	Wattage	CCT	Input Voltage	Dist. Type	Mounting	Finish
TPLA	XXXWS	XXK	AA	HH	XX	YY
TPLA	400WS 400/320/240W Wattage Selectable, 400W default setting 600WS 600/480/360W Wattage Selectable, 600W default setting	30K 3000K Single CCT 40K 4000K Single CCT 50K 5000K Single CCT	UV 120-277VAC, US Market LV 120-347VAC, Canada Market HV 277-480VAC, US Market	TC Tennis Court TYPE III SP Sports Field	* SF Slipfitter Mount (Fits 2-3/8" O.D. tenon) * PA Square and Round Pole Mount Arm (Fits 3.5" min SQ and 3.5" min dia. RND poles) * TR Trunnion Mount * YK Yoke Mount * AA Adjustable Square and Round Pole Mount Arm (Fits 3.5" min SQ and 3.5" min dia. RND poles) * 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
Photocontrol		Sensor		Options		
Z		K		(Not reflected in the product model)		
Blank Without photocell and receptacle * Blank 3-pin shorting cap kit with receptacle (XSCKit01) * P 3-pin twistlock photocell kit with receptacle, 120-277V (XPCKit-UNV27V-207C5HP) * P 3-pin twistlock photocell kit with receptacle, 120-347V (XPCKit-UNV34V) * P 3-pin twistlock photocell kit with receptacle, 277-480V (XPCKit-HV48V)		Blank Without sensor and receptacle * S PIR motion sensor with receptacle, Zhaga type, 39ft (HSE-SP9H-3 & JL-700M) * BS PIR motion sensor with receptacle, Zhaga type, wireless control, 39ft (HSE-BSP9H-3 & JL-700M)		Cord sets: * XDMC-B Black Dimming Cable, 22/2 AWG, Purple/Pink Conductors, 2ft * XACEC-B Black Electric Cable, 16/3 AWG, Black/White/Green Conductors, 25ft Accessories: * XTPLA-HSGS-D-A House Side Glare Shield, Dark Bronze * XTPLA-FSGS-D-B Front Side Glare Shield, Dark Bronze * XTPLA-EFV-D-C External 360° Full Visor, Dark Bronze * XTPLA-BLCK-B-B Back Light Control kits, Black * XAP-PM-HT-2-A Horizontal Pole Mount with 2-3/8" O.D. Tenon Bracket		

Note:

1. Configurations shown in gray are not regularly stocked items. Please contact us in advance for ordering.
2. Configurations marked with * are optional and sold separately.

SPECIFICATIONS

Construction:

- The Tennis and Pickleball Light features a rugged die-cast aluminum housing with integrated heat sinking and flow-through ventilation for optimal thermal management, enhancing LED performance and extending component life. The housing is sealed against moisture and environmental contaminants. The compact 3G vibration-rated design minimizes wind load requirements, while its low EPA allows for pole optimization.

Electrical:

- The Input voltage is 120-277VAC/120-347VAC/277-480VAC(50/60Hz). Equipped with a standard 20kV surge protector.
- Equipped with a 0-10V continuous dimmable driver; Min.Dim Level: 0%. The fixtures do not have dimming wired out by default; an additional cost will be required for modification to include them.
- THD≤20%. Power Factor ≥0.9
- 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 TYPE III 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 refer to the DLC

Warranty:

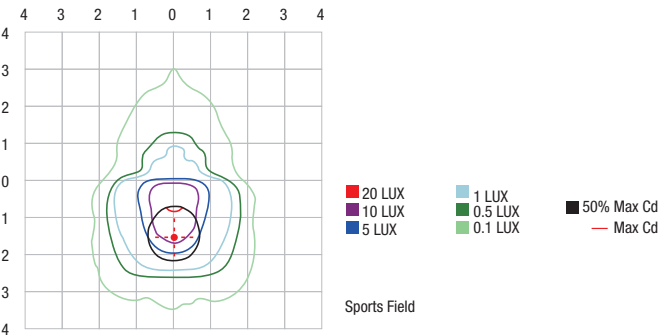
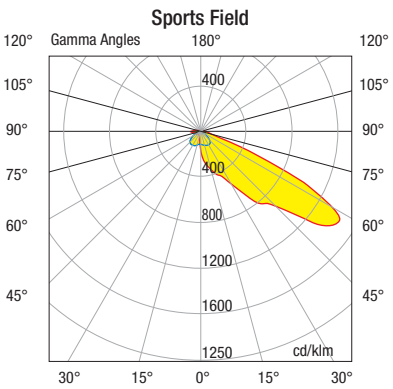
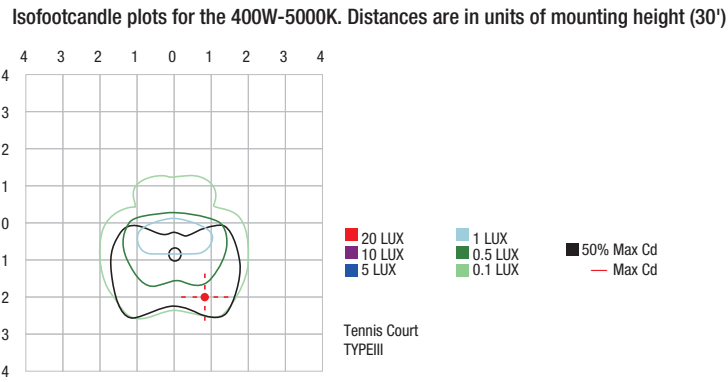
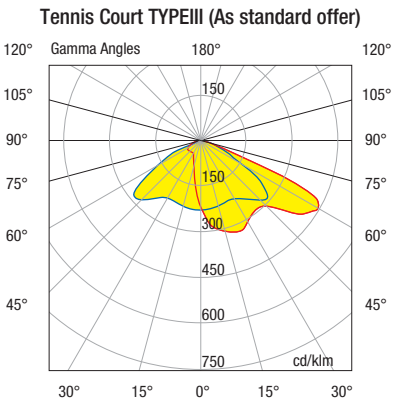
- 5-years limited warranty.

PERFORMANCE DATA

Lumen values are based on 277V AC input product configuration, contact for performance data on any configurations not shown here.

Model	Dist. Type	Watt Sel.	Watts	Lumens	LPW	CCT	B	U	G
VTPLA400WSXXKAATCXXYYZK	Tennis Court TYPE III	1	400	66,000	165	3000	4	0	4
			400	69,200	173	4000	4	0	4
			400	69,200	173	5000	4	0	4
		2	320	53,900	169	3000	4	0	4
			320	57,000	178	4000	4	0	4
			320	57,000	178	5000	4	0	4
		3	240	41,550	173	3000	4	0	4
			240	43,700	182	4000	4	0	4
			240	43,700	182	5000	4	0	4
VTPLA600WSXXKAATCXXYYZK		1	600	99,000	165	3000	5	0	4
			600	103,800	173	4000	5	0	4
			600	103,800	173	5000	5	0	4
		2	480	80,200	167	3000	5	0	4
			480	85,000	177	4000	5	0	4
			480	85,000	177	5000	5	0	4
		3	360	62,300	173	3000	5	0	4
			360	65,200	181	4000	5	0	4
			360	65,200	181	5000	5	0	4
VTPLA400WSXXKAASPXXYYZK	Sports Field	1	400	66,400	166	3000	4	0	4
			400	69,200	173	4000	4	0	4
			400	69,600	174	5000	4	0	4
		2	320	54,400	170	3000	4	0	4
			320	55,650	177	4000	4	0	4
			320	56,650	177	5000	4	0	4
		3	240	41,550	173	3000	4	0	4
			240	43,700	182	4000	4	0	4
			240	43,700	182	5000	4	0	4
VTPLA600WSXXKAASPXXYYZK		1	600	99,600	166	3000	5	0	4
			600	103,800	173	4000	5	0	4
			600	104,400	174	5000	5	0	4
		2	480	81,600	170	3000	5	0	4
			480	85,000	177	4000	5	0	4
			480	85,000	177	5000	5	0	4
		3	360	62,300	173	3000	5	0	4
			360	65,200	181	4000	5	0	4
			360	65,200	181	5000	5	0	4

PHOTOMETRIC DIAGRAMS



WATTAGE SELECTABLE



Wattage Select Technology

Size	Wattage Selectable	Default Setting
Size 1	Adjust wattage between 400/320/240W	400W
Size 2	Adjust wattage between 600/480/360W	600W

ACCESSORIES

Photocell Factory-Installable ONLY (Purchased separately)

			
XSCKit01 3-pin twistlock shorting cap kit with receptacle, for XTPLA	XPCKit-UNV27V-207C5HP 3-pin twistlock photocell kit with receptacle, blue, 120-277VAC, for XTPLA	XPCKit-UNV34V 3-pin twistlock photocell kit with receptacle, blue, 120-347VAC, for XTPLA	XPCKit-HV48V 3-pin twistlock photocell kit with receptacle, yellow, 277-480VAC, for XTPLA

Sensor Factory-Installable OR Field-Installable (Purchased separately)

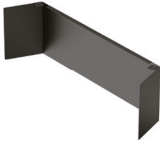
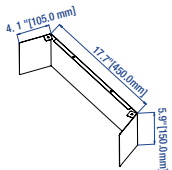
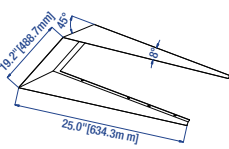
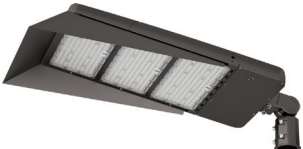
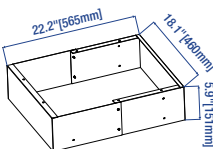
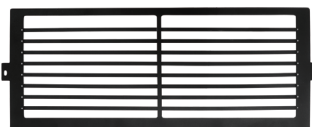
		
JL-700M Zhaga type receptacle for XTPLA	HSE-SP9H-3 PIR motion sensor, Zhaga type, 39ft, for XTPLA	HSE-BSP9H-3 PIR motion sensor, Zhaga type, wireless control, 39ft, for XTPLA

Note: For more information about sensors, see Page 8.

Remote Control (Purchased separately)

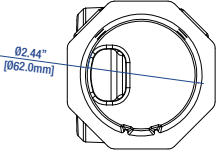
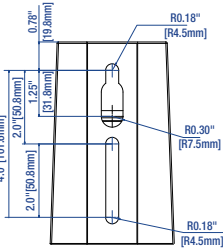
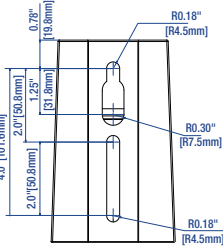
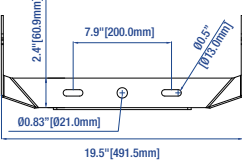
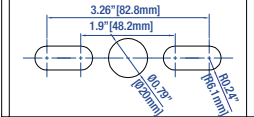
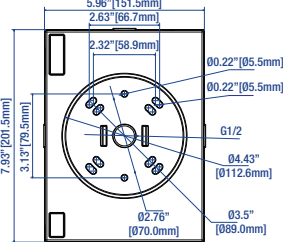
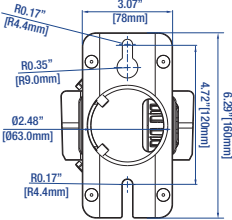
	HD06R Sensor Remote Control
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Glare Shield Field-Installable / Field-Use ONLY (Purchased separately)

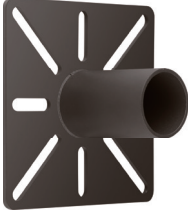
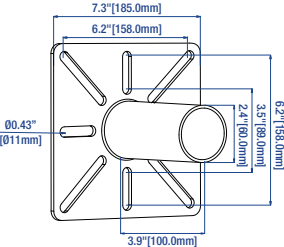
 	TPLA-HSGS-D-A House Side Glare Shield, Dark Bronze, for XTPLA	
 	TPLA-FSGS-D-B Front Side Glare Shield, Dark Bronze, for XTPLA	
 	TPLA-EFV-D-C External 360° Full Visor, Dark Bronze, for XTPLA (Note: Removable side screws allow adjustment to fit both 400WS and 600WS models.)	
	TPLA-BLCK-B-B Back Light Control kit, Black, 1pcs, for XTPLA (Note: 2 pcs are required for the 400WS model and 3 pcs for the 600WS model. The louver is only available in black.)	

MOUNTING INFORMATION

Mounts and Brackets May come with separate box with fixture (Purchased separately)

Tenon Bracket (Purchased separately)

 	XAP-PM-HT-2-A Horizontal Pole Mount with 2-3/8"O.D. Tenon Bracket, Dark Bronze, for XTPLA (This tenon adapter can be install onto the pole for Tennis & Pickleball court, the used for mounting a fixture with an adjustable slipfitter.)
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EPA (SLIPFITTER MOUNT)

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

Mounting Type	Tilt	EPA(ft²)								
		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

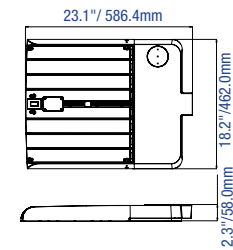
ELECTRICAL DATA

Model Series	Wattage(W)	Current (A)					
		Input Voltage (V)					
		120	208	240	277	347	480
XTPLA400WS	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
XTPLA600WS	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

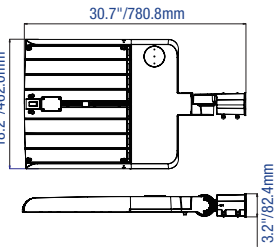
DIMENSIONS

400W / 320W / 240W

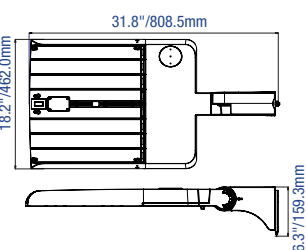
Without Mounting Bracket



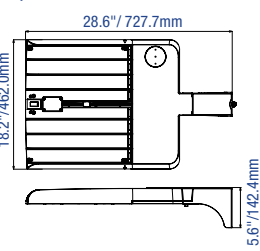
Slipfitter Mount



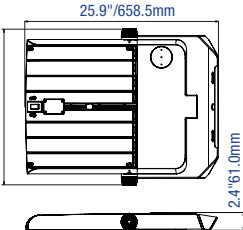
Adjustable Square & Round Pole Mount



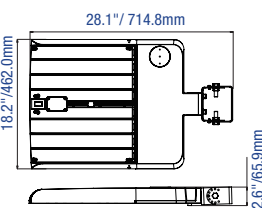
Square & Round Pole Mount



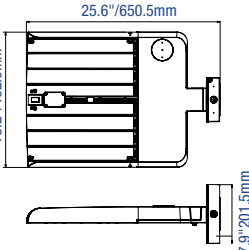
Yoke Mount



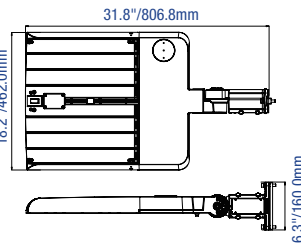
Trunnion Mount



Wall Mount

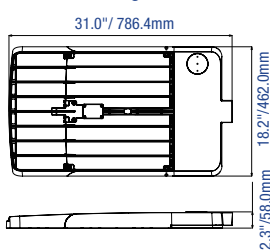


Universal Bracket

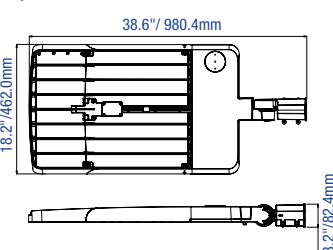


600W / 480W / 360W

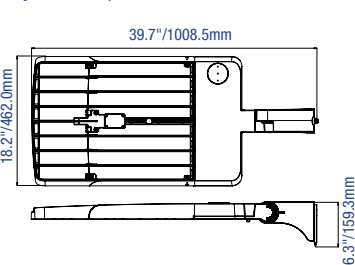
Without Mounting Bracket



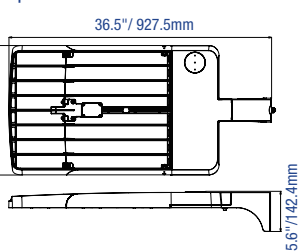
Slipfitter Mount



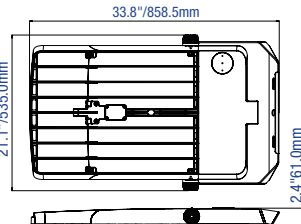
Adjustable Square & Round Pole Mount



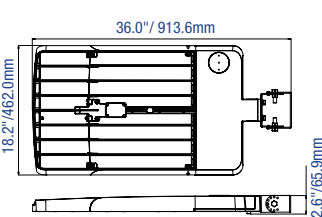
Square & Round Pole Mount



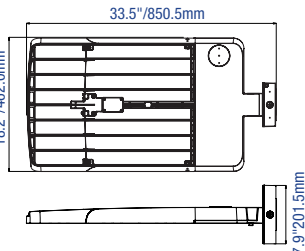
Yoke Mount



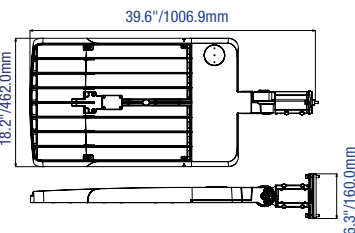
Trunnion Mount



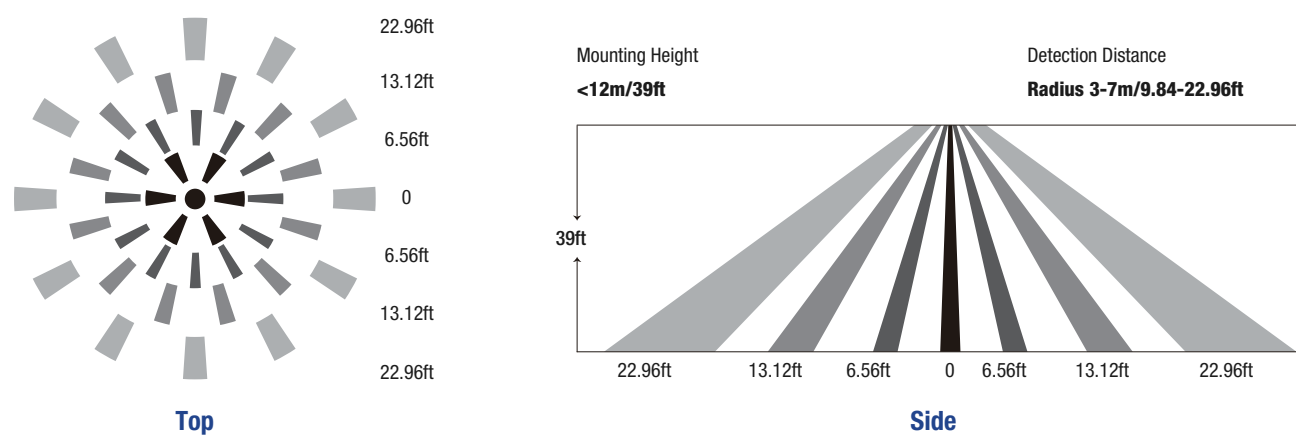
Wall Mount



Universal Bracket



SENSOR COVERAGE AND SETTINGS (Optional)



Default Settings	
Sensor Model	HSE-SP9H-3 / HSE-BSP9H-3
Sensitivity	100%
Holdtime	30S
Daylight Threshold	Disable
Standby Period	1min
Standby Dimming Level	10%