

SPORT LIGHT

PQ-SPLV

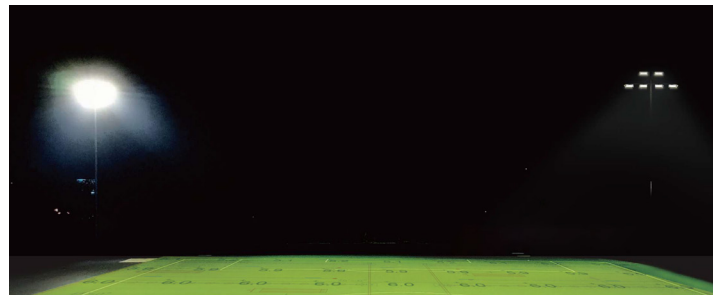
LED Stadium Light

400W / 600W / 800W / 1200W / 1500W / 1800W



Features of SPLV :

- The SPLV Series Stadium Floodlight represents a new generation of outstanding lighting solutions, boasting easy maintenance, easy installation, versatile light distribution options, and professional-grade features. Its exceptional optical design ensures outstanding performance, making it the ideal choice for illuminating outdoor large venues and events, saving maintenance budget and operating costs.
- Up to 150lm/W, power range: **400W-1800W**
- Modular design, a maximum of 3 modules available.
- UV stabilized polyester powder paint finish for durability and corrosion resistance.
- Die-casting aluminium, excellent heat dissipation design, more conducive to prolong the lifespan.
- Excellent lighting system design, better performance.
- Eco-friendly, the lighting around the site is not plagued by light pollution.
- The illumination of the site is significantly improved, with better uniformity, and the overflow light is reduced to a minimum.



CERTIFICATIONS



Up to 150 lm/W	NV: 100-240V HV: 200-440V HV: 198-440V 50/60HZ	THD <20%	L90B10 >100000hrs @ 25°C	Working Temperature -40°C~50°C (-40°F~+122°F)
IP66 IK08	3G Vibration Testing	CRI 70/80/90	DIM	

SPORT LIGHT				
MODEL	Color Temperature (CCT)	Power (W)	Modules	Input Voltage (V)
SPLV400	2700K	400	1	120 = 100-277AC (Standard) 347 = 347-480AC (Optional)
SPLV600	3000K	600		
SPLV800	4000K	800	2	
SPLV1200	5000K	1200	3	220-400AC (Upon request)
SPLV1500		1500		
SPLV1800	5700K	1800		

SPORT LIGHT

PQ-SPLV

ELECTRICAL CHARACTERISTICS						
Models	SPLV400	SPLV600	SPLV800	SPLV1200	SPLV1500	SPLV1800
Power (W)	400	600	800	1200	1500	1800
Modules	1	1	2	2	3	3
Input voltage	100-277V / 277-480V			220-400V		
Frequency	50 / 60 Hz					
THD	<20%					
Power factor	>0.90					
Control option	0-10V/PWM Timer diming (Standard), DALI, DMX512 (Optional)				DALI, DMX512 (Standard)	
Ambient temperature	-40 °C to 50 °C	-40 °C to 45 °C	-40 °C to 50 °C	-40 °C to 45 °C	-40 °C to 50 °C	-40 °C to 45 °C
Driver brand	Based on the actual project demand					
Surge protection	20kV Available					

PHOTOMETRIC DATA							
Models		SPLV400	SPLV600	SPLV800	SPLV1200	SPLV1500	SPLV1800
Efficacy (lm/W, Std. Dev.±5%) @CCT=4000K CRI>70Ra	15D	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w
	35*85D	150 lm/w	150 lm/w	150 lm/w	150 lm/w	150 lm/w	150 lm/w
	20*30D	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w
	30D	150 lm/w	150 lm/w	150 lm/w	150 lm/w	150 lm/w	150 lm/w
	PG30D	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w
	PG60D	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w	140 lm/w
Luminous flux (lm, Std.Dev. ±5%) @CCT=4000K CRI>70Ra	15D	56000 lm	84000 lm	112000 lm	168000 lm	210000 lm	252000 lm
	35*85D	60000 lm	90000 lm	120000 lm	180000 lm	225000 lm	270000 lm
	20*30D	56000 lm	84000 lm	112000 lm	168000 lm	210000 lm	252000 lm
	30D	60000 lm	90000 lm	120000 lm	180000 lm	225000 lm	270000 lm
	PG30D	56000 lm	84000 lm	112000 lm	168000 lm	210000 lm	252000 lm
	PG60D	56000 lm	84000 lm	112000 lm	168000 lm	210000 lm	252000 lm
Efficacy (lm/W, Std. Dev.±5%) @CCT=4000K CRI>70Ra, with visor	15D	125 lm/W	125 lm/W	125 lm/W	125 lm/W	125 lm/W	125 lm/W
	35*85D	135 lm/W	135 lm/W	135 lm/W	135 lm/W	135 lm/W	135 lm/W
	20*30D	125 lm/W	125 lm/W	125 lm/W	125 lm/W	125 lm/W	125 lm/W
	30D	135 lm/W	135 lm/W	135 lm/W	135 lm/W	135 lm/W	135 lm/W
	PG30D	/	/	/	/	/	/
	PG60D	/	/	/	/	/	/
Luminous flux (lm, Std.Dev. ±5%) @CCT=4000K CRI>70Ra, with visor	15D	50000 lm	75000 lm	100000 lm	150000 lm	187500 lm	225000 lm
	35*85D	54000 lm	81000 lm	108000 lm	162000 lm	202500 lm	243000 lm
	20*30D	50000 lm	75000 lm	100000 lm	150000 lm	187500 lm	225000 lm
	30D	54000 lm	81000 lm	108000 lm	162000 lm	202500 lm	243000 lm
	PG30D	/	/	/	/	/	/
	PG60D	/	/	/	/	/	/
ULOR	= 0%, @ Luminaire inclination 0°						
CCT	2700K, 3000K, 4000K, 5000K, 5700K						
CRI	Ra70, Ra80, Ra90						
Beam angle	15D/20*30D/30D/35*85D/PG30D/PG60D						

SPORT LIGHT

PQ-SPLV

MECHANICAL DATA

Models	SPLV400	SPLV600	SPLV800	SPLV1200	SPLV1500	SPLV1800	
IP/IK	IP66/IK08, according to standard EN 60529 and EN 62262						
Vibration resistance	3G, conform to standard IEC 68-2-6.						
SCx (EPA)	Type A	Top view: 0.11m (1.20ft ²) Front view: 0.06m (0.63ft ²)	Top view: 0.21m (2.31ft ²) Front view: 0.06m (0.63ft ²)	Top view: 0.32m (3.39ft ²) Front view: 0.06m (0.63ft ²)			
	Type-AV (with visor)	Top view: 0.39m (4.22ft ²) Front view: 0.11m (1.20ft ²)	Top view: 0.45m (4.80ft ²) Front view: 0.21m (2.31ft ²)	Top view: 0.51m (5.45ft ²) Front view: 0.32m (3.39ft ²)			
	Type-C	Top view: 0.07m (0.75ft ²) Front view: 0.1m (1.08ft ²)	Top view: 0.07m (0.75ft ²) Front view: 0.2m (2.19ft ²)	-			
	Type-CV (with visor)	Top view: 0.4m (4.34ft ²) Front view: 0.1m (1.08ft ²)	Top view: 0.5m (4.98ft ²) Front view: 0.2m (2.19ft ²)	-			
	Type-B	Top view: 0.1m (1.11ft ²) Front view: 0.13m (1.39ft ²)	Top view: 0.11m (1.20ft ²) Front view: 0.23m (2.45ft ²)	Top view: 0.12m (1.26ft ²) Front view: 0.32m (3.44ft ²)			
	Type-BV (with visor)	Top view: 0.44m (4.71ft ²) Front view: 0.13m (1.39ft ²)	Top view: 0.11m (1.20ft ²) Front view: 0.5m (5.41ft ²)	Top view: 0.56m (6.07ft ²) Front view: 0.32m (3.44ft ²)			
	Type-Bx (driver fixed)	Top view: 0.18m (1.98ft ²) Front view: 0.14m (1.50ft ²)	Top view: 0.2m (2.14ft ²) Front view: 0.23m (2.45ft ²)	Top view: 0.24m (2.55ft ²) Front view: 0.32m (3.44ft ²)			
	Type-BxV (with visor and driver fixed)	Top view: 0.52m (5.57ft ²) Front view: 0.14m (1.50ft ²)	Top view: 0.59m (6.33ft ²) Front view: 0.23m (2.45ft ²)	Top view: 0.68m (7.37ft ²) Front view: 0.32m (3.44ft ²)			
Housing / materials	Heavy-duty die-cast aluminum (EN AC-46100)						
Surface treatment	Anti-UV thermosetting polyester/80 micron epoxy primer + Anti-UV thermosetting polyester (for extremely corrosive environments).						
Painting	Black, Silver Grey, Customized Color						
Cable	Pre-wired with a 30 cm cable (Other lengths on request)						
Mounting	TYPE-A(V) Top-fixed I TYPE-B(V) Yoke Mount TYPE-Bx(V) Driver fixed TYPE-C(V) Top-fixed II						

SPORT LIGHT

PQ-SPLV

LED CHARACTERISTICS

Models		SPLV400	SPLV600	SPLV800	SPLV1200	SPLV1500	SPLV1800
LED manufacturer	Seoul (CREE/LUMILEDS Optional)						
LED model	Seoul 5050/Seoul Z5M4 3535						
Working current of single LED	15D(3535Z5M4)	755mA	765mA	755mA	742mA	780mA	775mA
	35*85D(5050)	375mA	383mA	375mA	370mA	385mA	385mA
	20*30D(3535Z5M4)	755mA	765mA	755mA	742mA	780mA	775mA
	30D(5050)	375mA	383mA	375mA	370mA	385mA	385mA
	PG30D(5050)	352mA	350mA	352mA	350mA	360mA	358mA
	PG60D(5050)	352mA	350mA	352mA	350mA	360mA	358mA
Lens	Polycarbonate + Tempered Glass (5mm thick)						

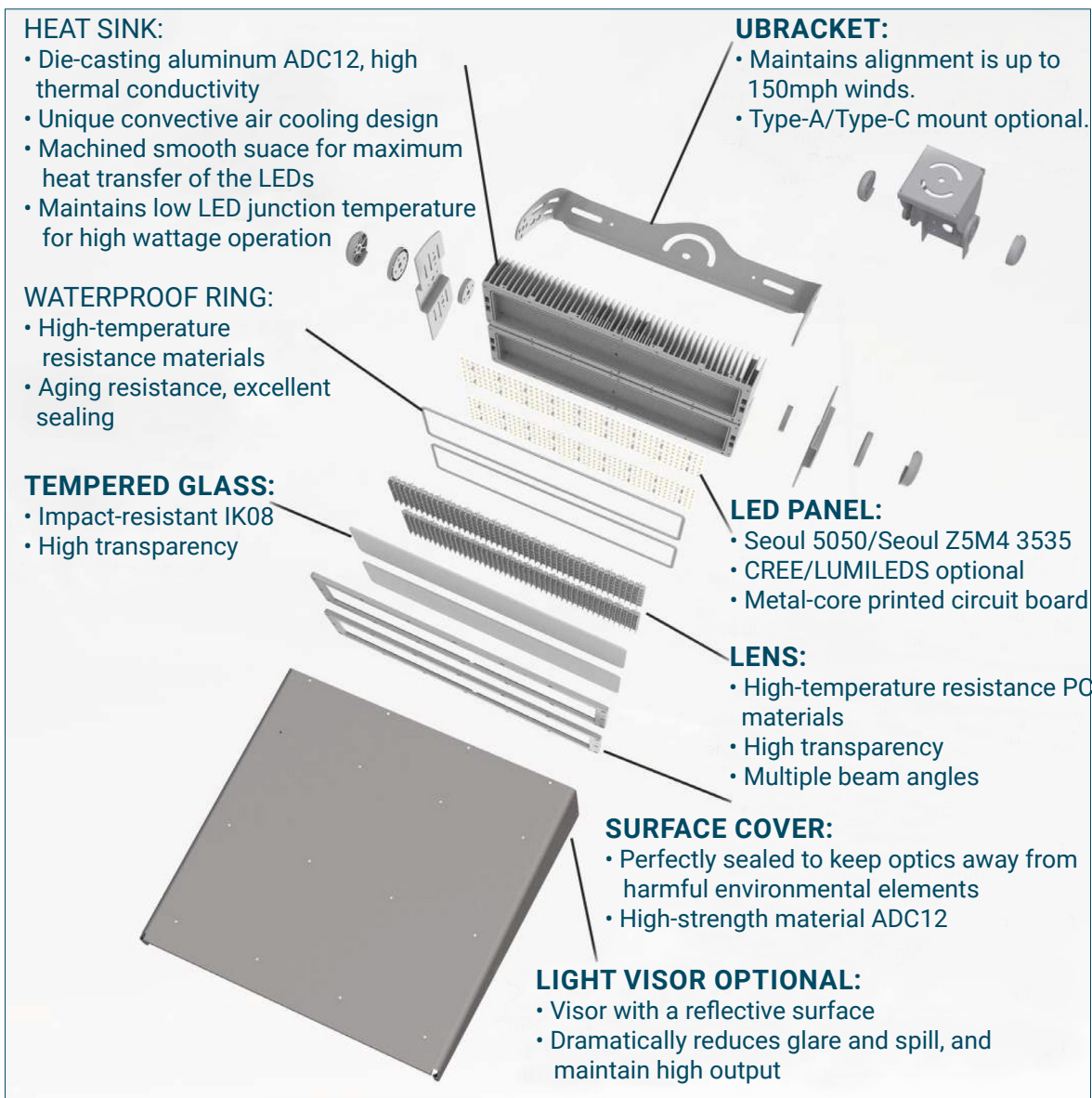
OTHER DATA

Models		SPLV400	SPLV600	SPLV800	SPLV1200	SPLV1500	SPLV1800
Life span	L90B10 > 100000hrs, @Ta 25°C						
Warranty	5 years in standard, 10 years optional						
Certification	ROHS/CE/CB/ENEC						
Product Size	Type-A	L599.2*W391.5*H155mm 23.6*15.4*6.1 inches		L607.2*W561.4*H155mm 23.9*22.1*6.1 inches		L607.2*W731.4*H155mm 23.9*28.8*6.1 inches	
	Type-AV (with visor)	L603.0*W697.0*H393.4mm 23.7*27.4*15.5 inches		L603.0*W789.0*H563.4mm 23.7*31.5*22.2 inches		L603.0*W889.0*H733.4mm 23.7*35*28.9 inches	
	Type-C	L599.2*W365.2*H165mm 23.6*14.4*6.5 inches		L607.2*W397.9*H335.0mm 23.9*15.7*13.2 inches		-	
	Type-CV (with visor)	L603.0*W918.8*H165mm 23.7*36.2*6.5 inches		L1041.4*W1041.4*H335.0mm 41*41*13.2 inches		-	
	Type-B	L704.3*W281.0*H242.5mm 27.7*11.1*9.5 inches		L704.7*W355.5*H368.7mm 27.7*13.2*14.5 inches		L674.9*W417.9*H523.8mm 26.6*16.5*20.6 inches	
	Type-BV (with visor)	L704.3*W834.5*H244.4mm 27.7*32.9*9.6 inches		L704.7*W999.0*H370.7mm 27.7*39.3*14.6 inches		L674.9*W1161.4*H525.7mm 26.6*45.7*20.7 inches	
	Type-Bx (driver fixed)	L666.7*W491.2*H242.5mm 26.2*19.3*9.5 inches		L704.7*W561.8*H368.7mm 27.7*22.1*14.5 inches		L674.9*W634.9*H523.8mm 26.6*25.0*20.6 inches	
	Type-BxV (with visor and driver fixed)	L666.7*W1044.7*H244.4mm 26.2*41.1*9.6 inches		L704.7*W1205.3*H370.7mm 27.7*47.5*14.6 inches		L674.9*W1378.4*H525.7mm 26.6*54.3*20.7 inches	

SPORT LIGHT

PQ-SPLV

Perfect Design for Gaming



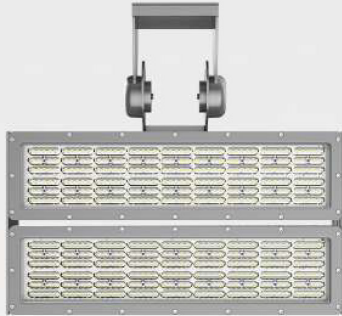
MULTIPLE MOUNTING OPTIONS TURN INSTALLATION & MAINTENANCE JOB INTO A EASY WAY.

Installation options include integrated and split setups, with driver box maintenance requiring no tools. You can easily adjust the position, either on the bracket or using a remote power box, ensuring straightforward and convenient maintenance.

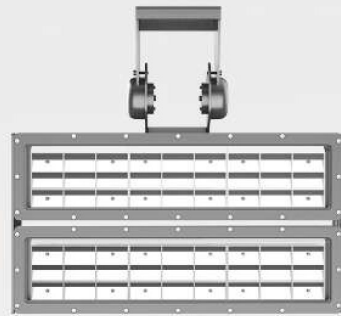
SPORT LIGHT

PQ-SPLV

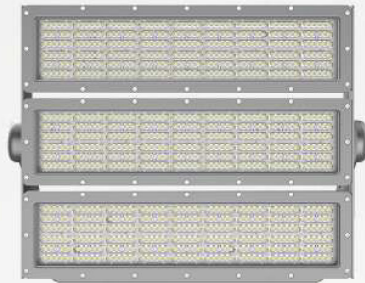
Perfect Design for Gaming



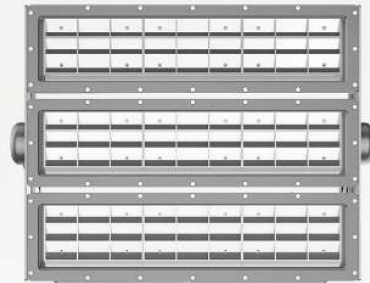
TYPE-A (Optical Lens)



TYPE-A (With Reflector)



TYPE-B (Optical Lens)



TYPE-B (With Reflector)



TYPE-B Power Supply Split Installation



TYPE-Bx Driverbox Integrated with Bracket

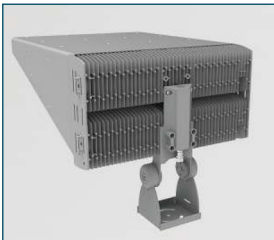
SPORT LIGHT

PQ-SPLV

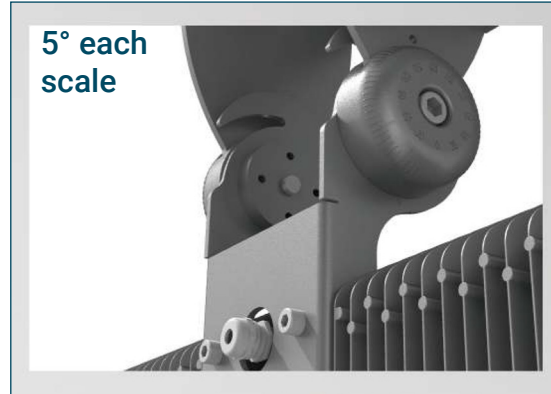
Flexible & Convenient Installation

TYPE-A Top-fixed I

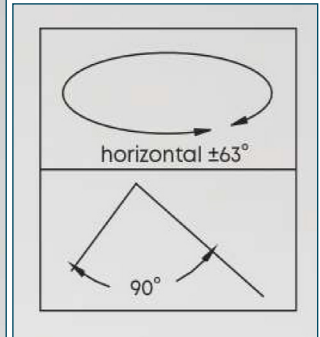
The top-fixed bracket for SPLV is perfect for limited spaces like under grandstand roof covers. It simplifies aiming and offers multiple adjustments, including a $\pm 63^\circ$ tilt in the horizontal plane and a 90° rotation on the vertical axis.



Visor Optional



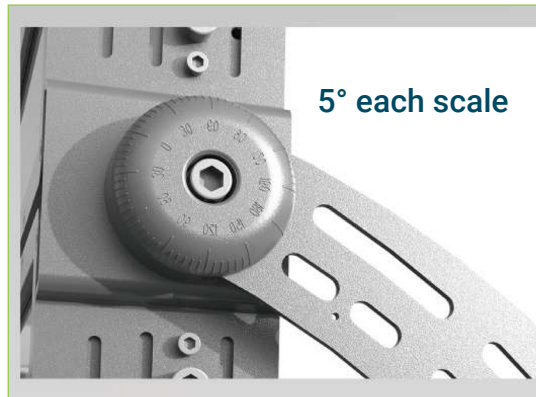
5° each scale



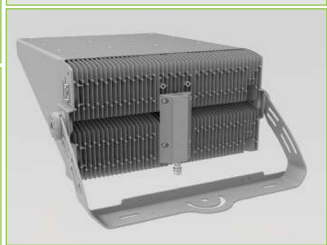
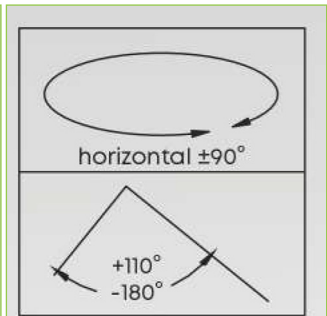
Type-B Yoke Mount

The SPLV Type-B Bracket, crafted from durable 304 stainless steel (optional), boasts excellent corrosion resistance. It offers adjustable horizontal tilting options of $\pm 90^\circ$ and vertical rotation from $+110^\circ$ to -180° , making it versatile for various mounting orientations.

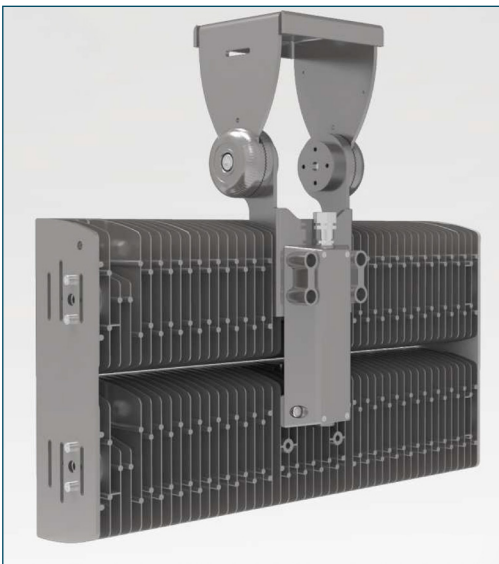
Concealed Rear Wiring Design



5° each scale



Type-C Top-fixed II



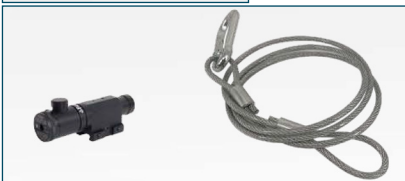
Laser Aiming
Optional



Laser Aiming
Optional

Safety Rope
Optional

Visor Optional



Laser Aiming
Optional

Safety Rope
Optional



SPORT LIGHT

PQ-SPLV

With a concealed reflector design, the fixture remains invisible at night except for its light, reducing glare.

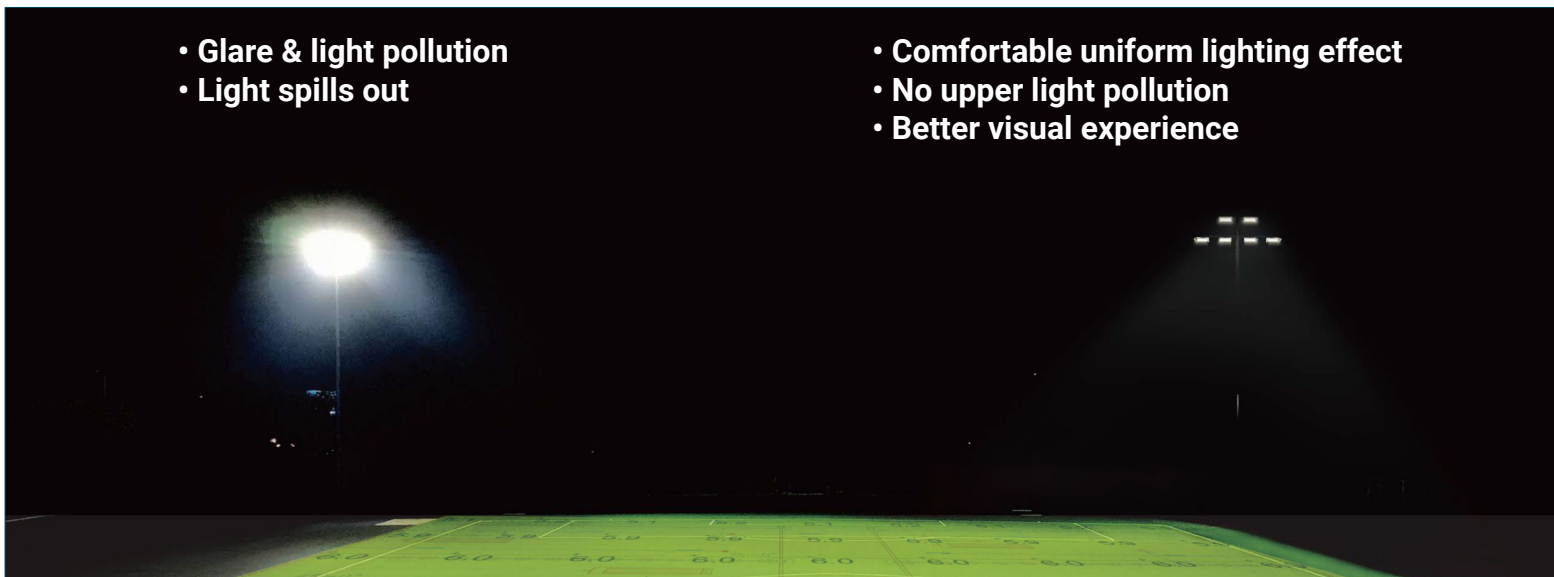
The SPLV series features a customizable high-performance optical system designed for professional sports fields. It includes floodlighting optics for precise pitch illumination, offering flexibility and excellent light distribution. Specialized LEDs ensure high TLCI for television broadcasts.

Accurate light distribution design to ensure accurate lighting, Seoul or CREE/LUMILEDS LED chips to ensure the best lighting performance.

The SPLV series introduces an innovative lighting technique for sports fields, streamlining floodlight installation without requiring precise aiming. It is designed for sports facilities like tennis courts, making luminaire installation quick and easy.

- Glare & light pollution
- Light spills out

- Comfortable uniform lighting effect
- No upper light pollution
- Better visual experience



- Our product design focuses on addressing the issues of glare, which can affect both athletes and nearby residents, and light pollution in the night sky. While enhancing lighting for the site, we also aim to minimize disturbances to the environment.
- The SPLV series incorporates a low glare design to effectively control light direction, improving athlete comfort, spectator experience, and reducing light pollution.
- The SPLV series, with precise lighting system design and visor, reduces on-site glare by 40%, spillover by over 50%, and saves up to 40% more energy compared to traditional MHL or other lamps.

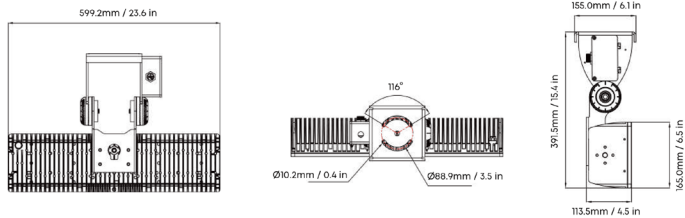
SPORT LIGHT

PQ-SPLV

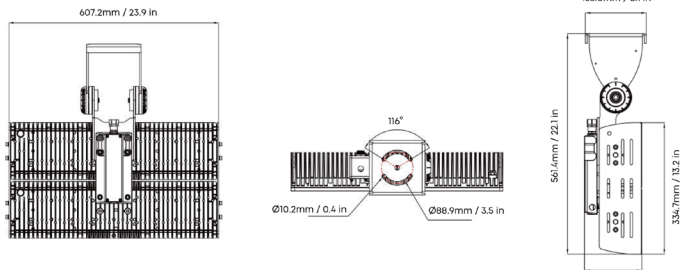
DIMENSIONS

TYPE-A: Top Fixed Installation

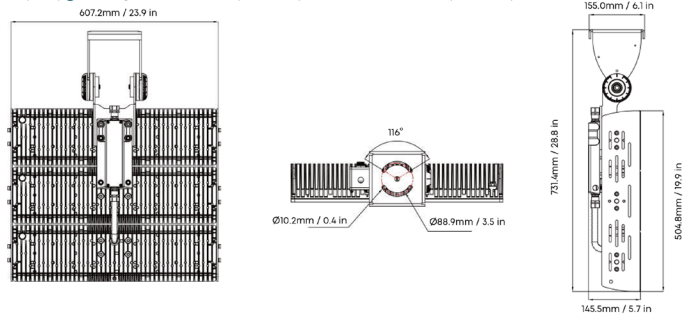
SCx (EPA)@25°:Top view: 0.11m² (1.202ft²) Front view: 0.06m² (0.632ft²)



SCx (EPA)@25°:Top view: 0.21m² (2.312ft²) Front view: 0.06m² (0.632ft²)

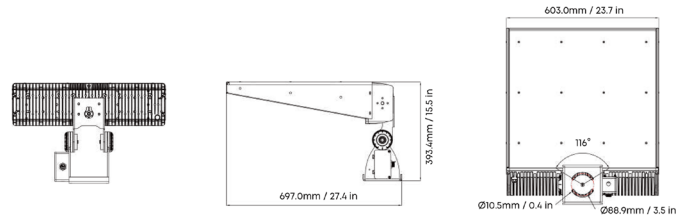


SCx (EPA)@25°:Top view: 0.32m² (3.392ft²) Front view: 0.06m² (0.632ft²)

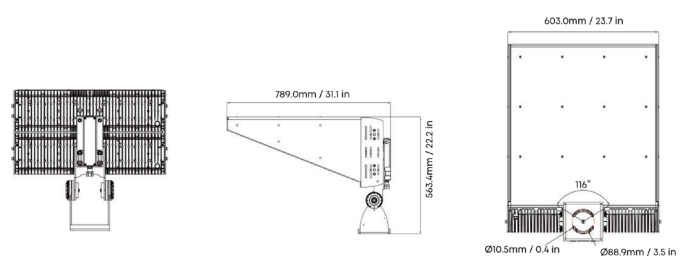


TYPE-A: Top Fixed Installation (With visor)

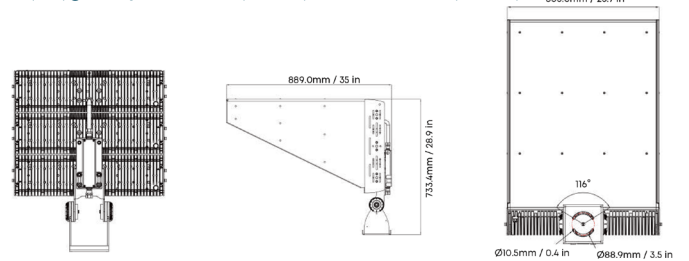
SCx (EPA)@25°:Top view: 0.39m² (4.222ft²) Front view: 0.11m² (1.202ft²)



SCx (EPA)@25°:Top view: 0.45m² (4.802ft²) Front view: 0.21m² (2.312ft²)

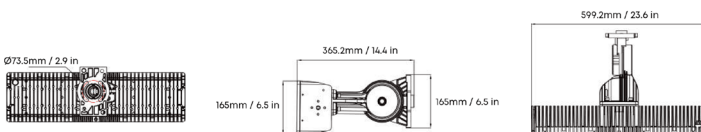


SCx (EPA)@25°:Top view: 0.51m² (5.452ft²) Front view: 0.32m² (3.392ft²)

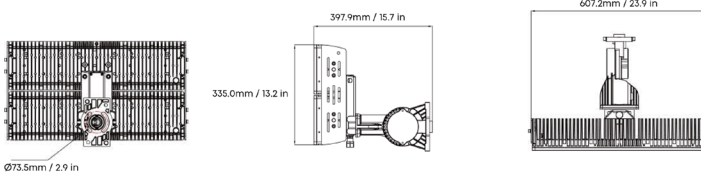


TYPE-C: Top-fixed II

EPA(@25°):Top view: 0.07m² (0.752ft²) Front view: 0.1m² (1.082ft²)

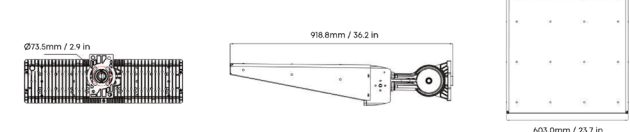


EPA(@25°):Top view: 0.07m² (0.752ft²) Front view: 0.2m² (2.192ft²)

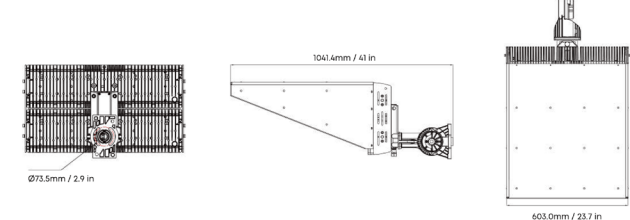


TYPE-C: Top-fixed II (With visor)

EPA(@25°):Top view: 0.4m² (4.342ft²) Front view: 0.1m² (1.082ft²)



EPA(@25°):Top view: 0.5m² (4.982ft²) Front view: 0.2m² (2.192ft²)



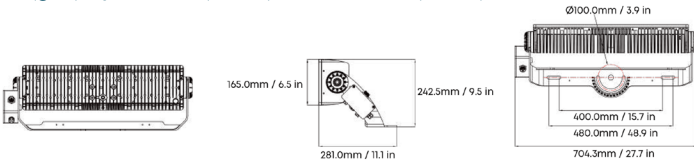
SPORT LIGHT

PQ-SPLV

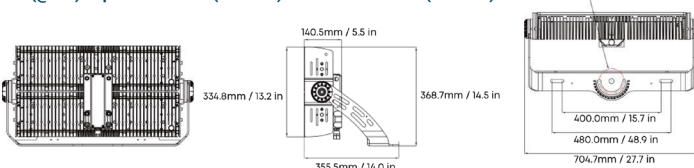
DIMENSIONS

TYPE-B: Yoke Mount

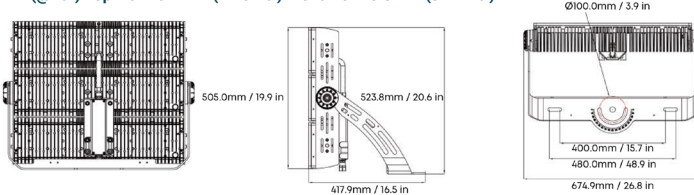
EPA(@25°): Top view: 0.1m² (1.112ft²) Front view: 0.13m² (1.392ft²)



EPA(@25°): Top view: 0.11m² (1.232ft²) Front view: 0.23m² (2.452ft²)

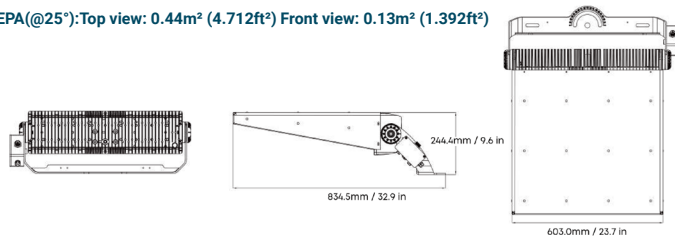


EPA(@25°): Top view: 0.12m² (1.262ft²) Front view: 0.32m² (3.442ft²)

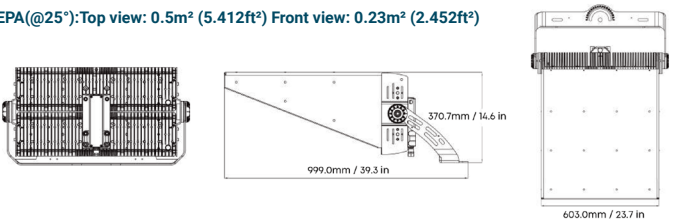


TYPE-B: Yoke Mount (With Visor)

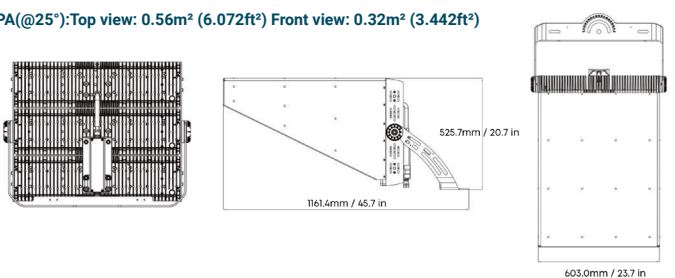
EPA(@25°): Top view: 0.44m² (4.712ft²) Front view: 0.13m² (1.392ft²)



EPA(@25°): Top view: 0.5m² (5.412ft²) Front view: 0.23m² (2.452ft²)

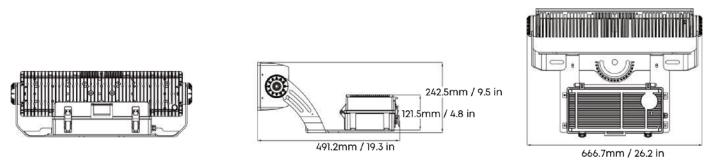


EPA(@25°): Top view: 0.56m² (6.072ft²) Front view: 0.32m² (3.442ft²)

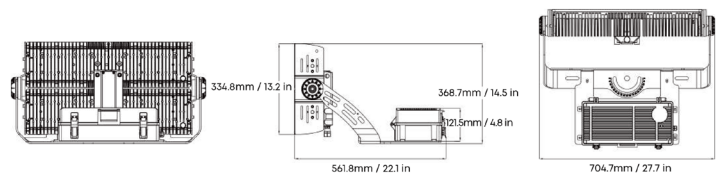


TYPE-B: Yoke Mount (With Driver)

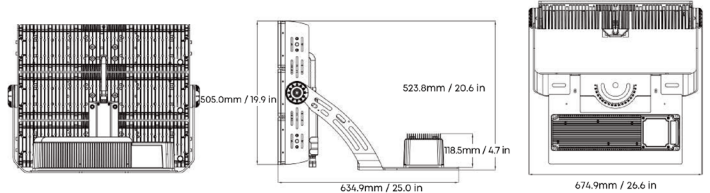
EPA(@25°): Top view: 0.18m² (1.982ft²) Front view: 0.14m² (1.502ft²)



EPA(@25°): Top view: 0.2m² (2.142ft²) Front view: 0.23m² (2.452ft²)

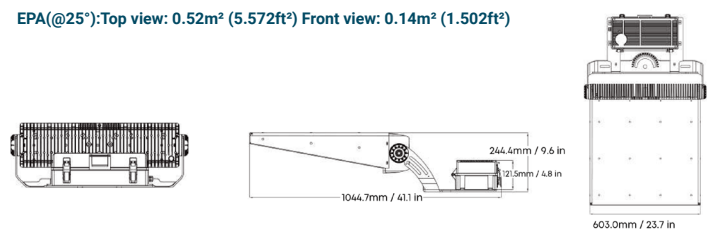


EPA(@25°): Top view: 0.24m² (2.552ft²) Front view: 0.32m² (3.442ft²)

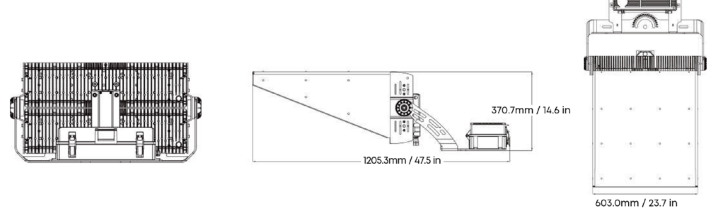


TYPE-B: Yoke Mount (With Driver and Visor)

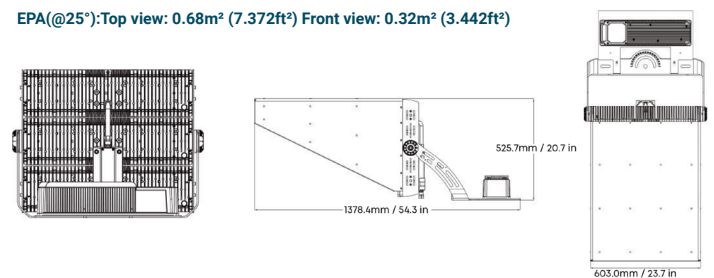
EPA(@25°): Top view: 0.52m² (5.572ft²) Front view: 0.14m² (1.502ft²)



EPA(@25°): Top view: 0.59m² (6.332ft²) Front view: 0.23m² (2.452ft²)



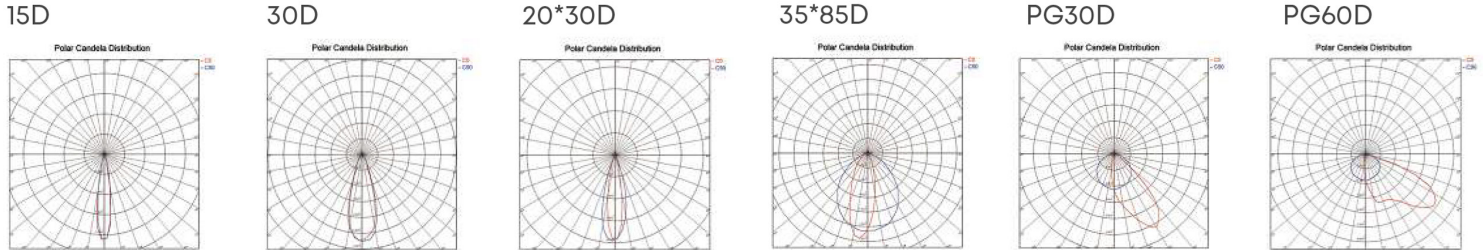
EPA(@25°): Top view: 0.68m² (7.372ft²) Front view: 0.32m² (3.442ft²)



SPORT LIGHT

PQ-SPLV

PHOTOMETRY



Environmental Protection Matters

The process of manufacturing and disposing of the product must be taken into consideration. That's why we optimize energy usage and employ a clever modular concept in manufacturing our FSC product, as well as using plastic-free packaging. This is how we define eco-friendly products.

INSTRUCTIONS FOR ORDERING WITH PREFERRED DIMENSIONS

Catalog Number for Example: PQ-SPLV-051K-600W-120V-030D

Series	Color Temperature (CCT)	Power (W)	Input Voltage (V)	Beam Angle	Options
SPLV400	027K = 2700K	400	120 = 100-277AC	015D = 15	V = with Visor
SPLV600	031K = 3000K	600	(Standard)	35*85D = 3585	
SPLV800	041K = 4000K	800	347 = 347-480AC	20*30D = 2030	
SPLV1200	051K = 5000K	1200	(Optional)	030D = 30	
SPLV1500	051K = 5000K	1500	220-400AC	PG30D = PG30	
SPLV1800	057K = 5700K	1800	(Upon request)	PG60D = PG60	

If you have specific technology or service needs, it's highly recommended that you get in touch with Power-Q's experts. They can provide tailored solutions and guidance based on your specific requirements.

EMAIL: info@power-q.ca

PHONE: 514 667-6810

SPORT LIGHT

PQ-SPLV

APPLICATION REFERENCE

