

**STRIKER**

High-performance sports lighting



tigerlight®

HIGH-PERFORMANCE  
INDUSTRIAL LIGHTING

Tigerlight is wholly Australian-owned and has been delivering lighting solutions to Australian industry since 2002.

Our MEGA modular lighting platform has allowed customers to access true industrial-quality lighting with a full menu of options and with much shorter lead-times.

With the advent of high-temperature LED chipsets and high-performance drivers, we are bringing the same benefits to Australia's sports fields, which are no less demanding than mining and heavy industrial sites.

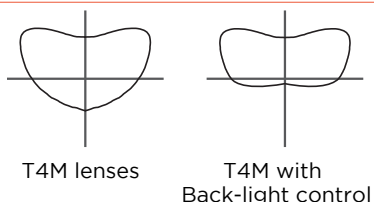


**A modular platform of flexible options, fully customisable to suit all kinds of sports - and all types of installations.**



**FLEXIBLE PLATFORM OFFERS LIMITLESS OPTIONS**

- Easily tailored modular platform from 480W to 1920W
- Output range is 57,600 to 220,840 lm @ 120 lm/W
- 17 optical lens options, including symmetric and asymmetric
- 3 mounting brackets
- 4 colour temperatures, warm white to daylight
- 2 voltages - 277 and 415VAC
- Dimming
- Choice of housing colours to suit poles.



**UNIQUE BACK-LIGHT CONTROL LENS TECHNOLOGY**

New anti-spill optical lenses reduce wastage by directing all light where it is needed, minimising obtrusive light spill. They also ensure compliance with obligations under Australian standard AS4282 for Obtrusive Lighting.



**SPECIAL HIGH-PERFORMANCE SPECIFICATIONS FOR HIGHER OUTPUT FITTINGS**

**More air flow through open modular fittings**

- Ventilated modules create better temperature management and lower wind resistance
- Each module is light-weight and rated IP67.

**High-performance ceramic-based LED chipset**

- Optimum performance at higher electrical currents & higher temperatures.



**High-performance/high-temperature drivers**

- Provide optimum performance at higher operating temperatures.

**Remote driver units**

- Reduced weight on pole
- Simplified access for future maintenance
- Various layouts available to suit the installation.



<b>480W</b> 57,600 lm	<b>720W</b> 86,400 lm	<b>960W</b> 115,200 lm	<b>1440W</b> 172,800 lm	<b>1920W</b> 220,840 lm
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### OPTIONS MENU

The modular platform of the Striker range allows almost total freedom to customise fittings to suit any situation, in new or existing installations.

All the options listed below are readily available to specify for the optimum purpose-built sports lighting solution - and with super-fast delivery, in just 6-8 weeks.

Lens options now include unique backlight control lens options to ensure compliance with Obtrusive Lighting Standard AS4282 which is vital for any exterior installation.

<b>POWER &amp; LUMEN OUTPUT</b>	480W To 57,600 lm	720W To 86,400 lm	960W To 115,200 lm	1440W To 172,800 lm	1920W To 220,840 lm
<b>VOLTAGE</b>	100-277VAC	277-480VAC			
<b>REMOTE DRIVER ORIENTATION</b>	REMOTE - WIDE	REMOTE - SLIM-LINE	REMOTE - STACK		
<b>MOUNTING BRACKETS</b>	U bracket Wide flat bracket	L bracket Adjustable spigot	J bracket Adjustable surface-mounted		
<b>COLOUR TEMPERATURE</b>	3000K	4000K	5000K	5700K	
<b>LIGHTING CONTROLS</b>	1-10VDC DIMMING	DMX CONTROL			
<b>HOUSING COLOUR</b>	BLACK RAL9001	GREY RAL7004	CUSTOM COLOURS		
<b>OPTICAL LENSES - asymmetric</b>	T4VVS Spill control	T4VSB Spill control	T4SB Spill control	T4MB Spill control	T3S / T3M
<b>OPTICAL LENSES - symmetric</b>	10deg	25deg	40deg	60deg	90deg
	T5M	T5W			

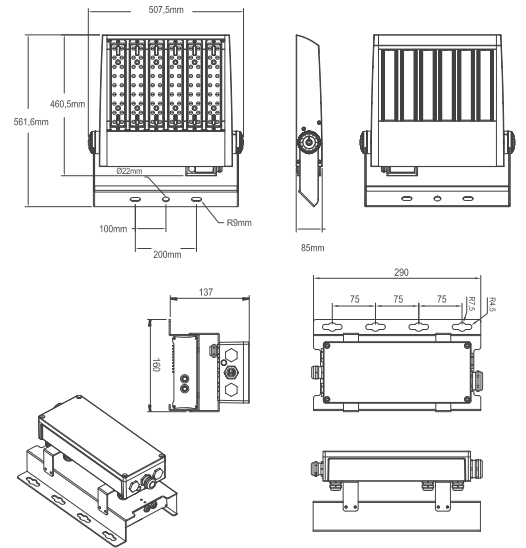
**THE STRIKER MODULAR LIGHTING PLATFORM SAVES VALUABLE TIME**  
**THE SIMPLIFIED ASSEMBLY PROCESS ALLOWS FASTER DELIVERY - JUST 6 TO 8 WEEKS**

Note: Quoted assembly & delivery times are subject to normal component supply & shipping operations. Disruptions to normal operations may be outside our control.

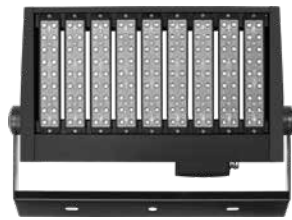
**480W**  
**57,600 lm**



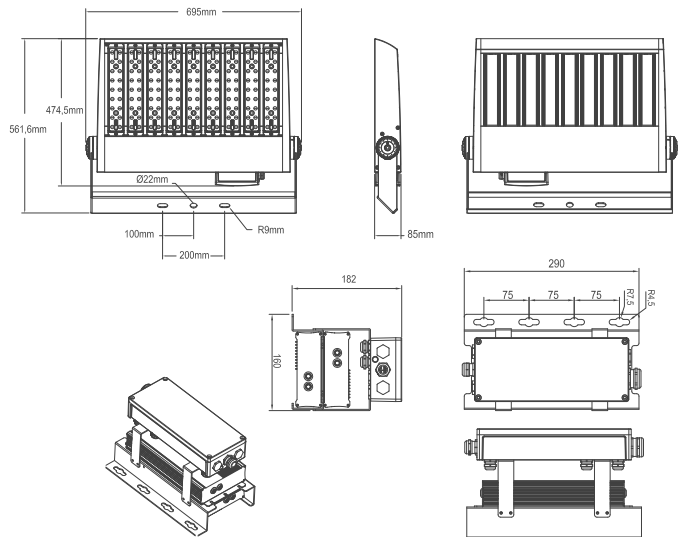
LED modules: 6x80W  
Drivers: 1 x 480W  
Connector cable required: Standard cable  
Current draw 240VAC: 2.09A  
Current draw 415VAC: 1.21A  
LED chip drive current 1400mA  
Weight of light head (inc U bracket) 10.7kg  
Dimensions: 562x528x85mm



**720W**  
**91,630 lm**



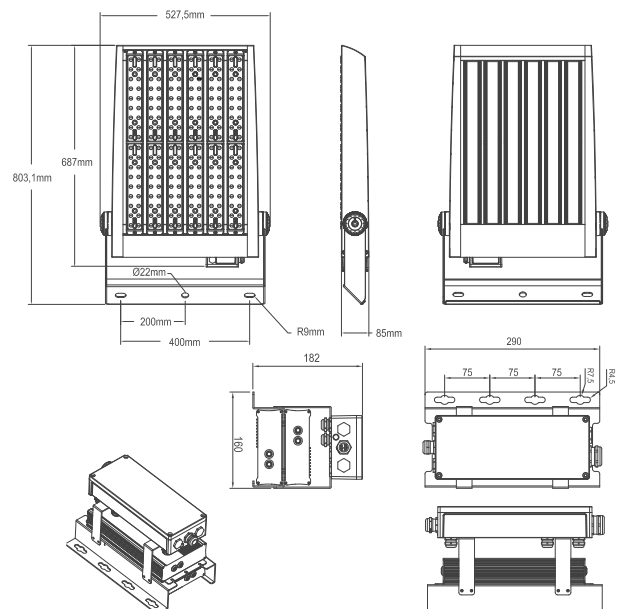
LED Modules: 9x80W  
Drivers: 2 x 480W  
Connector cable required: 5-core  
Current draw 240VAC: 3.15A  
Current draw 415VAC: 1.82A  
LED chip drive current: 1400mA  
Weight of light head (inc U bracket): 12.7kg  
Dimensions: 562x715x85mm



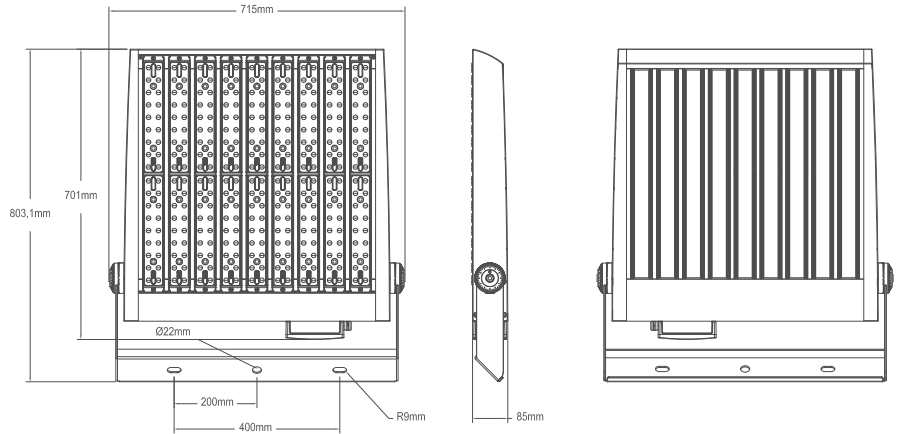
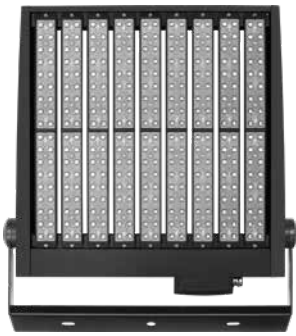
**960W**  
**115,200 lm**



LED modules: 6x2x80W  
Drivers: 2 x 480W  
Connector cable required: 5-core  
Current draw 240VAC: 4.18A  
Current draw 415VAC: 2.42A  
LED chip drive current: 1400mA  
Weight of light head (inc U bracket): 13.7kg  
Dimensions: 803Hx528Wx85Dmm

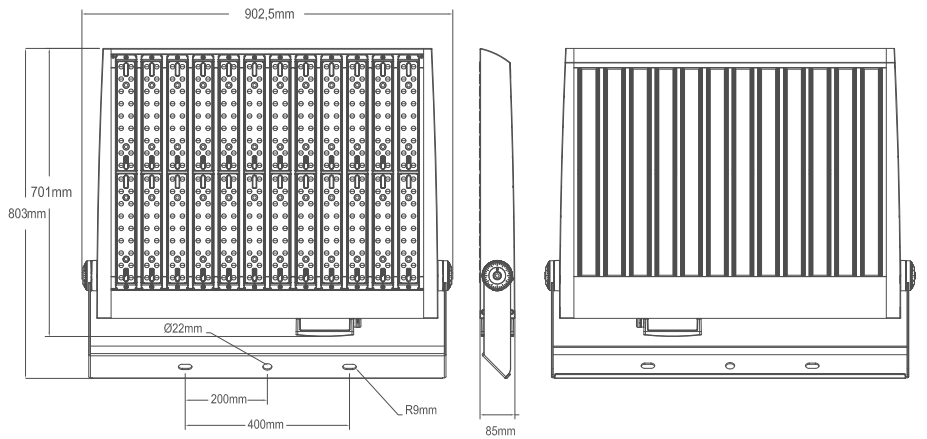
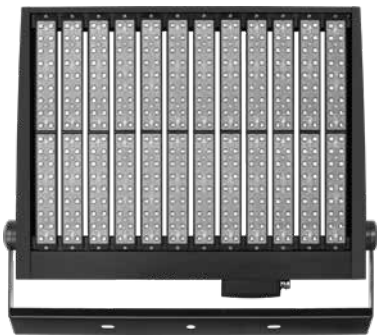
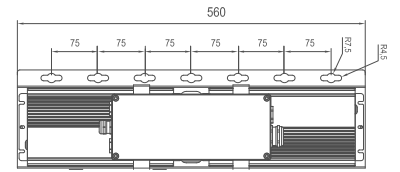
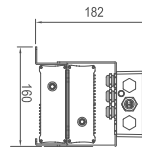
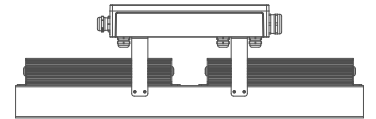
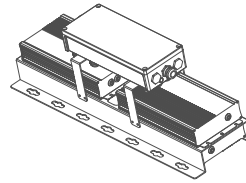






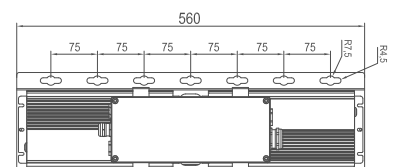
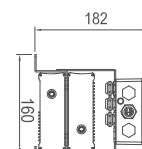
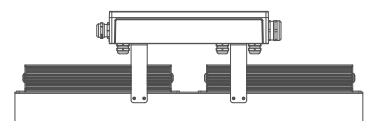
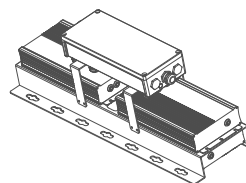
**1440W**  
**172,800 lm**

LED modules: 9x2x80W  
 Drivers: 3 x 480W  
 Connector cable required: 9-core  
 Current draw 240VAC: 6.27A  
 Current draw 415VAC: 3.63A  
 LED chip drive current; 1400mA  
 Weight of light head (inc U bracket): 19.9kg  
 Dimensions: 803Hx715Wx85Dmm



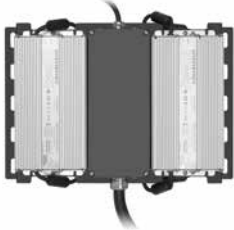
**1920W**  
**220,840 lm**

LED modules: 12x2x80W  
 Drivers: 4 x 480W  
 Connector cable required: 9-core  
 Current draw 240VAC: 8.36A  
 Current draw 415VAC: 4.84A  
 LED chip drive current: 1400mA  
 Weight of light head (inc U bracket): 23.2kg  
 Dimensions: 803Hx903Wx85Dmm



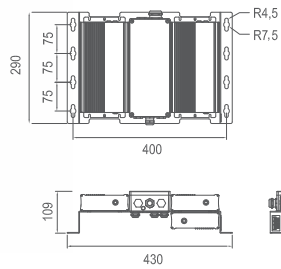
REMOTE DRIVER OPTIONS

PA - Wide



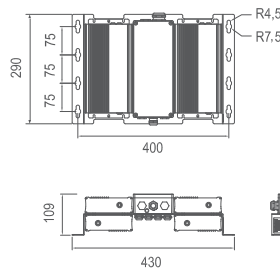
1440W/1920W Wide

1440W



1440W 290Lx430Wx109mmH

1920W



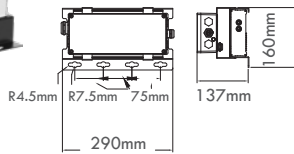
1920W 290Lx430Wx109mmH

PB - Slim-line



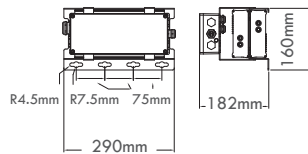
1440W/1920W Slim-line

480W



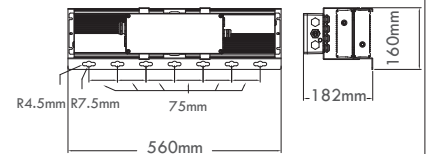
480W 290Lx160Wx137mmH

720W  
960W



720W 290Lx160Wx182mmH  
960W 290Lx160Wx182mmH

1440W  
1920W



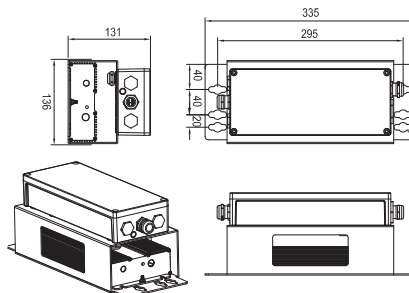
1440W 560Lx160Wx182mmH  
1920W 560Lx160Wx182mmH

PC - Stack



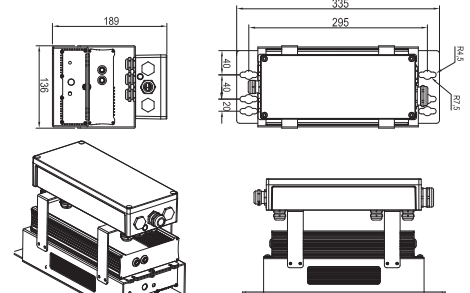
1440W Stack

480W



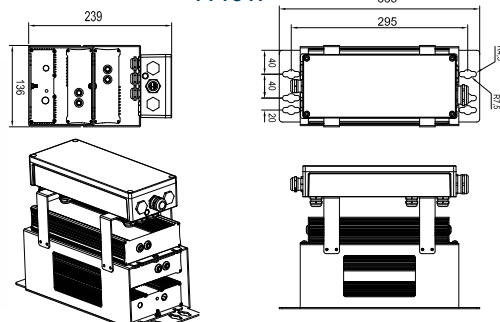
480W 335Lx136Wx131mmH

720W / 960W



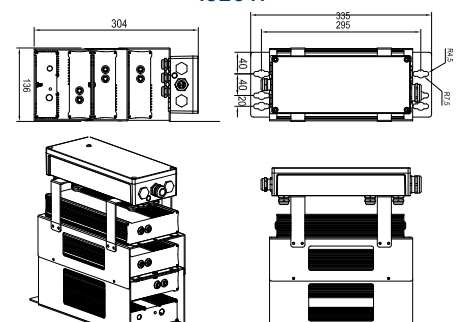
720W 335Lx136Wx189mmH  
960W 335Lx136Wx189mmD

1440W



1440W 335Lx136Wx239mmH

1920W



1920W 335Lx136Wx304mmH

1920W Stack

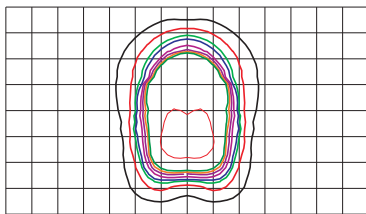
## OPTICAL LENS OPTIONS

Striker floodlights now feature state-of-the-art Back-light Control lenses to reduce backward light spill and to comply with AS4282 Obtrusive Lighting Standard.

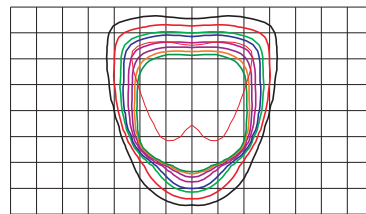
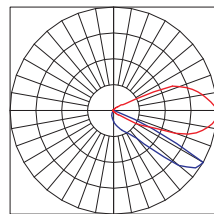
The patented technology has shaped the optical lenses so that almost all light is projected forwards, and therefore back-light spill is minimised. Apart from the environmental benefits, this allows more light to penetrate further onto the playing surface, increasing both lux levels and uniformity.

The photometric profiles of the 4 most popular lenses with Backlight control are shown below.

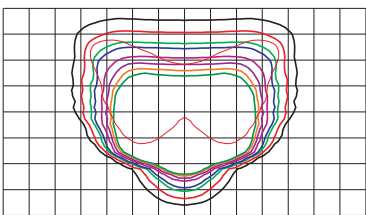
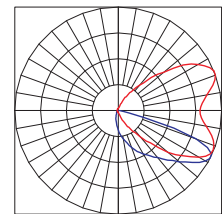
### Optical distributions of the 4 most important Back-Light Control lenses



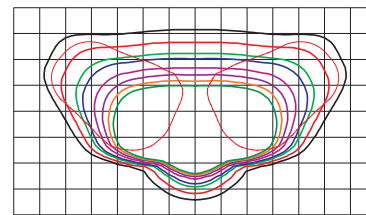
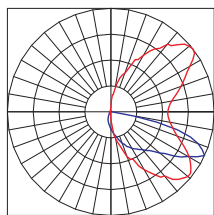
**T4VVS** Type IV Very Very Short



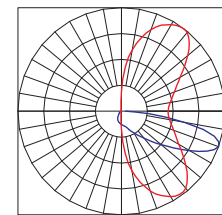
**T4VSB** Type IV Very Short



**T4SB** Type IV Short

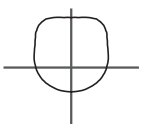


**T4MB** Type IV Medium

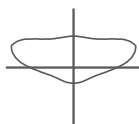


### Lenses available - Asymmetric (with or without Backlight control) and 7 Symmetric

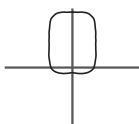
Type III Short



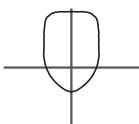
Type III Medium



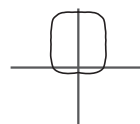
Type IV Very Very Short Backlight



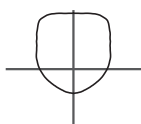
Type IV Very Short



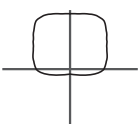
Type IV Very Short Backlight



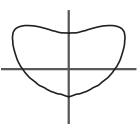
Type IV Short



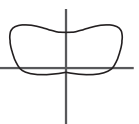
Type IV Short Backlight



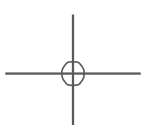
Type IV Medium



Type IV Medium Backlight



10° Flood



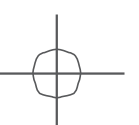
25° Flood



40° Flood



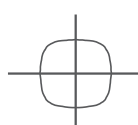
60° Flood



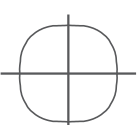
90° Flood



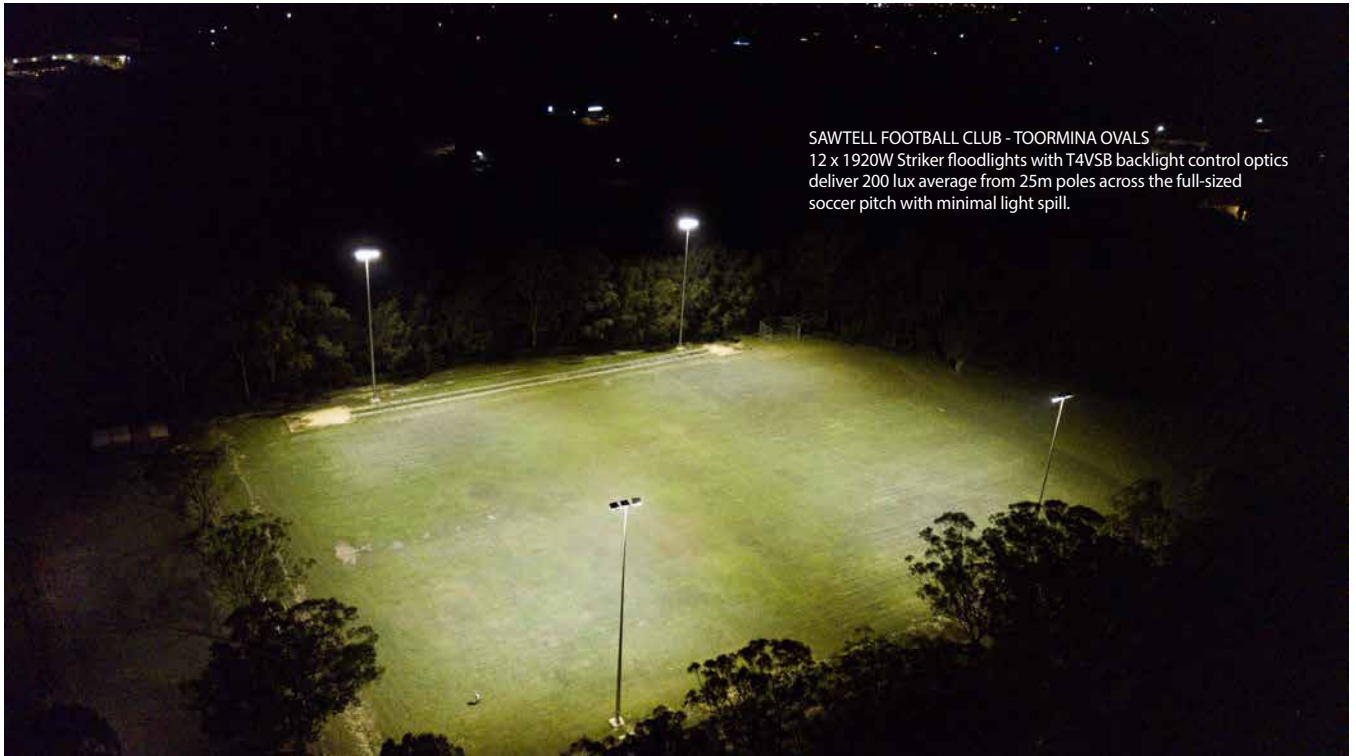
Type V Square Medium



Type V Square Wide



## RECENT INSTALLATIONS



**SAWTELL FOOTBALL CLUB - TOORMINA OVALS**  
12 x 1920W Striker floodlights with T4VSB backlight control optics deliver 200 lux average from 25m poles across the full-sized soccer pitch with minimal light spill.

### OUR SIMPLE DESIGN PROCESS

#### 1 ESTABLISH REQUIREMENTS

- Assessment of project space
- Areas to be lit on and around the playing surface
- Audit of existing infrastructure, if any
- Lux levels required for the particular sport/s
- Timing for project completion

#### 2 CERTIFIED LIGHTING PLAN

- Our in-house lighting engineers are experienced in design solutions with high powered light fittings, both internally or externally, and in new or existing infrastructure
- Lux targets & uniformity standards
- Obtrusive lighting standards are extremely important

#### 3 SELECT FROM MENU OPTIONS

- Wattage, voltage, brackets, lighting controls, drivers, optical lenses, CCT, housing colour.

#### 4 COMPLETE COST ESTIMATE

- Menu items are fully costed
- Formal quotation provided

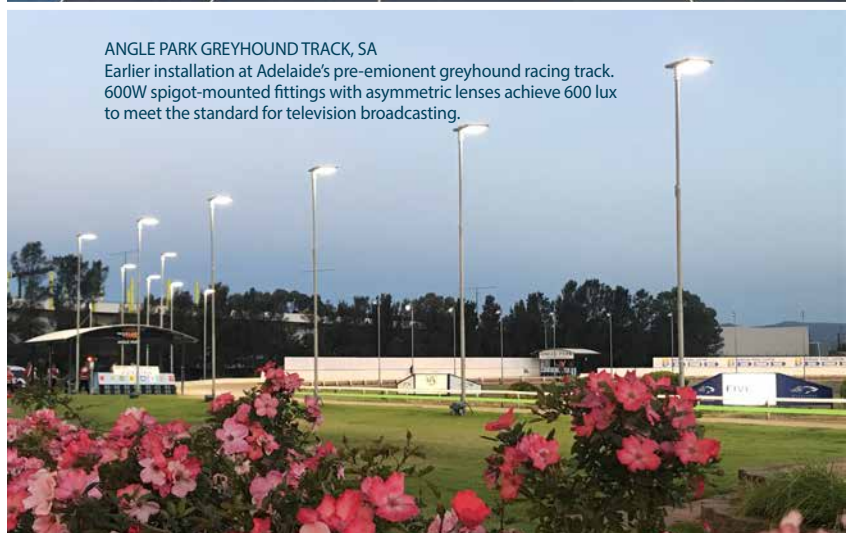
#### 5 ASSEMBLY OF STRIKER FITTINGS TO YOUR UNIQUE SPECIFICATIONS

- Assembly is simpler and faster due to modular format as most components are shared across the range

#### 6 DELIVERY WITHIN 6-8 WEEKS



**NEWBOROUGH MULTI-USE COURTS**  
9 netball courts were illuminated to 200 lux by 40 x 960w Striker LED Floodlights with an additional 4 x 1440W Strikers used on a show court for 350 lux.



**ANGLE PARK GREYHOUND TRACK, SA**  
Earlier installation at Adelaide's pre-eminent greyhound racing track. 600W spigot-mounted fittings with asymmetric lenses achieve 600 lux to meet the standard for television broadcasting.





**SHOALHAVEN BOWLING CLUB**  
A total of 8 x 960W Striker floods with backlight control lenses delivered a uniform 200 lux across both bowling greens from 12m poles.



**GCA TENNIS, BURLEIGH WATERS**  
720W floods spigot-mounted on 15m poles producing 350 lux with excellent uniformity.



960W Striker floodlights with U brackets and remote drivers

## BRACKET OPTIONS

### U-Bracket

Flat mounts on walls/poles.

See previous page for dimensions of U brackets



### L-Bracket

Adjustable elbow joint for spigot mounts

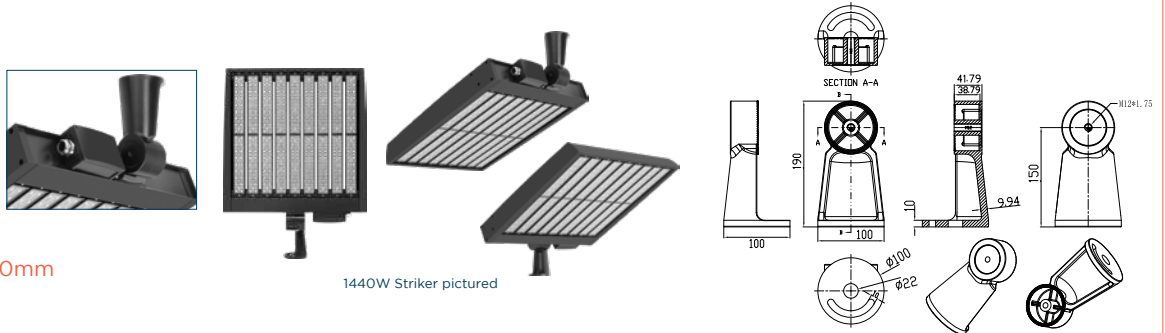
Spigot 62mm int diam x-120mmL



### J-Bracket

Adjustable elbow joint for small footprint flat mounts

Dimensions of foot of bracket is 100x100mm



## LUMINAIRE EPA (square metres)

### U Bracket

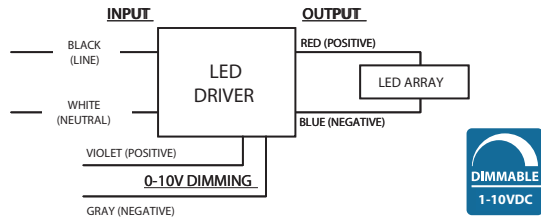
	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
480W	0.060	0.085	0.109	0.132	0.156	0.180	0.188	0.229	0.253
720W	0.065	0.089	0.113	0.137	0.168	0.187	0.211	0.236	0.259
960W	0.077	0.108	0.137	0.168	0.198	0.229	0.258	0.289	0.319
1440W	0.086	0.132	0.177	0.223	0.268	0.314	0.360	0.405	0.451
1920W	0.097	0.157	0.218	0.279	0.340	0.400	0.461	0.522	0.583

### L and J brackets

	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
480W	0.058	0.076	0.094	0.112	0.131	0.149	0.167	0.185	0.203
720W	0.061	0.086	0.111	0.136	0.161	0.185	0.210	0.234	0.259
960W	0.084	0.118	0.152	0.187	0.221	0.255	0.289	0.323	0.358
1440W	0.086	0.133	0.180	0.225	0.272	0.318	0.363	0.410	0.455
1920W	0.098	0.160	0.221	0.281	0.342	0.402	0.464	0.517	0.586

## DIMMABLE DRIVERS 1-10VDC

1-10VDC dimming capability is standard on all models in the Striker sports lighting range.



## 5 & 9-CORE CONNECTOR CABLES

5 or 9-core cable is required between the remote driver pack and the Striker light fitting, depending on the number of drivers present.

The heavy duty H07RN-F cables are supplied cut to measure as part of the job estimate, to facilitate installation.

Cable requirements are:

5 core: 720W, 960W (2 drivers). Order code FLS5CC-1M  
 9-core: 1440W, 1920W (3-4 drivers). Code FLS9CC-1M  
 Standard 3-core: 480W (1 driver).

## PRODUCT ORDER CODES

Example: FLS960L-U-PPB-T4SB-50K-BK-DIM

MODEL	INPUT VOLTAGE	MOUNTING	REMOTE DRIVERS	OPTICS	CCT	COLOUR	OPTIONS
FLS480	L 100-277VAC	U Wall/pole	PA Wide	T4VVS B	30K 3000K	BK Black-RAL9011	DIM 1-10VDC Dimming
FLS720	H 277-480VAC	L Adjustable spigot	PB Slim-line	T4VS B	40K 4000K	GY Grey-RAL7004	DMX DMX Control
FLS960		J Adjustable small footprint	PC Stack	T4M B	50K 5000K		BSP Bird spikes
FLS1440				T10 D	57K 5700K		
FLS1920				T25 D			
				T40 D			
				T60 D			
				T90 D			
				T5M			
				T5W			



**LEAD-TIMES:** Please note that while select wattages and lenses are held in stock for immediate delivery, custom project orders will require an allowance of 6-8 weeks for delivery by sea-freight.

## TECHNICAL PARAMETERS

STRIKER MODEL	480W	720W	960W	1440W	1920W	
Lumen output (lm)	Up to 57,600	To 91,630	To 112,500	To 168,100	To 220,800	
Input voltage	100-277 or 277-480VAC		100-277 or 277-480VAC		100-277 or 277-480VAC	
Current draw - 240V / 415V	2.09A 1.21A	3.15A 1.82A	4.18A 2.42A	6.27A 3.63A	8.36A 4.84A	
LED chip drive current	1400mA		1400mA		1400mA	
Power factor (PF)	PF ≥ 0.9 at full load		PF ≥ 0.9 at full load		PF ≥ 0.9 at full load	
THD	<20% at full load		<20% at full load		<20% at full load	
LED efficacy	120+ lm/W		120+ lm/W		120+ lm/W	
LED modules	6x80W modules		6x2x80W modules		9x2x80W modules	
LED drivers	1 x 480W Inventronics		2 x 480W Inventronics		3 x 480W Inventronics	
Luminous Flux	57,600 lm		91,630 lm		112,500 lm	
Surge protection device	Imax 20KA		Imax 20KA		Imax 20KA	
Dimming	1-10VDC, DMX		1-10VDC, DMX		1-10VDC, DMX	
Colour temperature (Std) / CRI	5,000K / Ra >70		5,000K / Ra >70		5,000K / Ra >70	
Lens type/beam spread	IESNA Types III, IV, V		IESNA Types III, IV, V		IESNA Types III, IV, V	
Light spill control	Built into optical lenses		Built into optical lenses		Built into optical lenses	
Working ambient temp	-40 ~ +50°C		-40 ~ +50°C		-40 ~ +50°C	
IP rating	IP66		IP66		IP66	
Composition - lens plate	Polycarbonate		Polycarbonate		Polycarbonate	
- Housing/heatsink	Aluminium		Aluminium		Aluminium	
- Protective coating housing	Polyester (100µm min)		Polyester (100µm min)		Polyester (100µm min)	
- U bracket / L&J bracket	Steel / aluminium		Steel / aluminium		Steel / aluminium	
Connector cable to drivers	Standard 3-core		H07RN-F 5-core		H07RN-F 9-core	
Weight - light fitting	10.7kg		12.7kg		13.7kg	
Size floodlight inc bracket (LxWxD)	562x528x85mm		562x715x85mm		803x528x85mm	
Service life	≥ 50,000 hours		≥ 50,000 hours		≥ 50,000 hours	
Warranty	5 years		5 years		5 years	



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