



High-performance sports lighting



Smash your sports
lighting challenges
out of the park



3 sizes available

- **960W - 112,500 lumens**
- **1440W - 168,100 lumens**
- **1920W - 220,800 lumens**

High-performance LED chipset

- Superior thermal properties via advanced ceramic LED package
- Designed for optimum performance at higher electrical currents and higher temperatures.



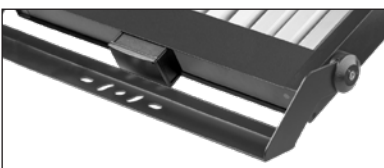
15 optical lens configurations for precision lighting outcomes

- 7 symmetrical lens options from 10° round to Type V square wide lenses
- 4 asymmetric lens options
- Multiple light spill control options to minimise light loss and light nuisance issues
- Precision certified lighting planning service available to take approved projects through to completion.

Adjustable hinges for precise orientation of the fitting



Angled mounting bracket



- Practical bracket design for total flexibility in mounting fitting above, below or to the side.
- Single bracket suits all installations.



Sleek, compact modular design

- Unique patented interlocking modular design provides scalability, superior rigidity and resistance to vibration.
- Individual 80W modules ensure excellent efficiency and heat management
- Open module design reduces wind resistance
- Distinctive black fascia under polycarbonate lens plates

Heavy duty construction

- Heavy wall die-cast aluminium end caps enclose the housing and die-cast aluminium heat sinks
- Housing is finished in corrosion-resistant polyester coating of 100 micron min thickness
- Standard colour is black
- Tested against 1000 hour salt spray standard
- Fitting rated IP67.



High-performance 277VAC & 415VAC drivers

- 100-277VAC and 415VAC options
- High-efficiency dimmable drivers
- Exceptional performance under load
- Operating temperatures from -40 to +90°C
- Dimming function - 1-10VDC, DALI
- I_{max} 20KA surge protection
- Rated IP67.

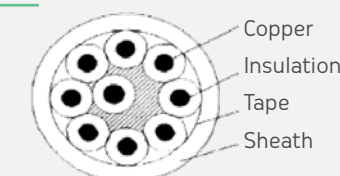
Remote driver assembly

- Allows more convenient access to drivers for future maintenance
- Separate drivers reduce fittings' weight and size
- Smaller fittings produce less wind resistance
- Lighter fittings may reduce the specification of the supporting arms and poles.












9-core cable from remote driver to light fitting

- Heavy-duty outdoor cable
- Simplified installation by contractor
- Single cable allows neat and tidy wiring through narrow internal pole dimensions.










DIMENSIONS	Voltage Options		LED Current	Modules	Net weight	Dimensions			
	100-277 VAC		1400mA	6x2x80W	13.1kg	701 x 523 x 85mm			
	415 VAC		1400mA	6x2x80W	13.1kg	701 x 523 x 85mm			
	Remote driver assembly			2 x drivers	9.4kg	290 x 405 x 112mm			

EPA *	Voltage Options								
	LED Current			Modules			Net weight		Dimensions
	100-277 VAC		1400mA	6x2x80W	13.1kg	701 x 523 x 85mm			
	415 VAC		1400mA	6x2x80W	13.1kg	701 x 523 x 85mm			
EPA *	Remote driver assembly			2 x drivers	9.4kg	290 x 405 x 112mm			
	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
									
	0.83	1.16	1.48	1.81	2.13	2.46	2.78	3.11	3.43








* EPA units are square feet

DIMENSIONS	Voltage Options		LED Current	Modules	Net weight		Dimensions		
	100-277 VAC		1400mA	9x2x80W	19.6kg		701 x 710 x 85mm		
	415 VAC		1400mA	9x2x80W	19.6kg		701 x 710 x 85mm		
	Remote driver assembly			3 x drivers	11.9kg		290 x 405 x 112mm		

EPA *	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
									
	0.93	1.42	1.91	2.40	2.89	3.38	3.87	4.36	4.85

* EPA units are square feet

DIMENSIONS	Voltage Options		LED Current	Modules	Net weight		Dimensions		
	100-277 VAC		1400mA	12x2x80W	23.5kg		701 x 898 x 85mm		
	415 VAC		1400mA	12x2x80W	23.5kg		701 x 898 x 85mm		
	Remote driver assembly			4 x drivers	15.0kg		290 x 405 x 112mm		

EPA *	0°Tilt	10°Tilt	20°Tilt	30°Tilt	45°Tilt	60°Tilt	70°Tilt	80°Tilt	90°Tilt
									
	1.04	1.69	2.35	3.00	3.66	4.31	4.96	5.62	6.27

* EPA units are square feet



960W

112,500 lm

960W Lamp power

112,500 lumens

Over 120 lm/W

240V or 415V

BEAM OPTIONS

IP 67

IK 10

5 Year Warranty



1440W

168,100 lm

1440W Lamp power

168,100 lumens

Over 120 lm/W

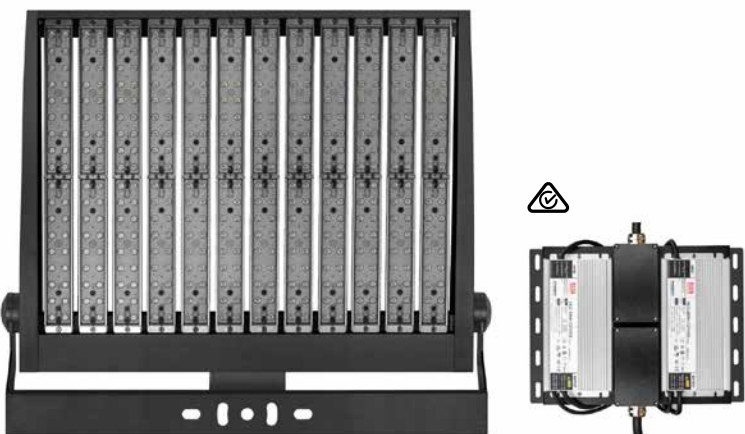
240V or 415V

BEAM OPTIONS

IP 67

IK 10

5 Year Warranty



1920W

220,800 lm

1920W Lamp power

220,800 lumens

Over 120 lm/W

240V or 415V

BEAM OPTIONS

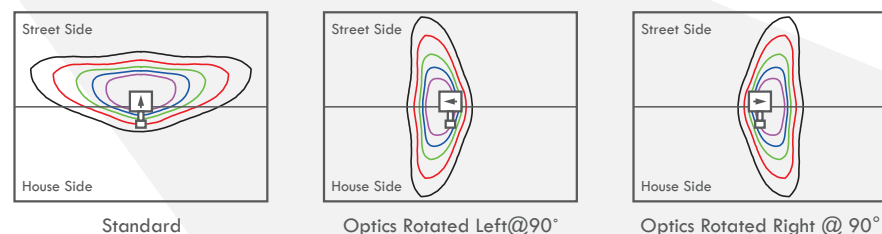
IP 67

IK 10

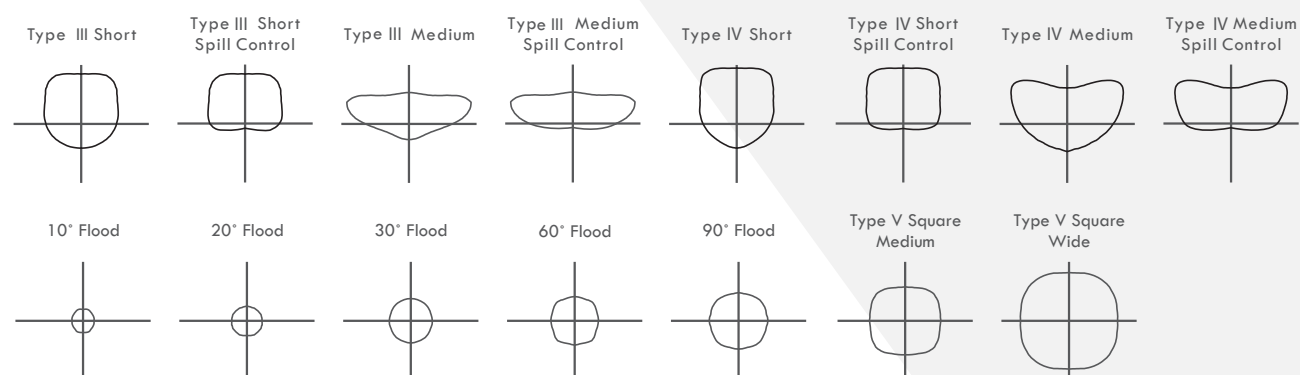
5 Year Warranty

MULTIPLE OPTICAL LENS OPTIONS

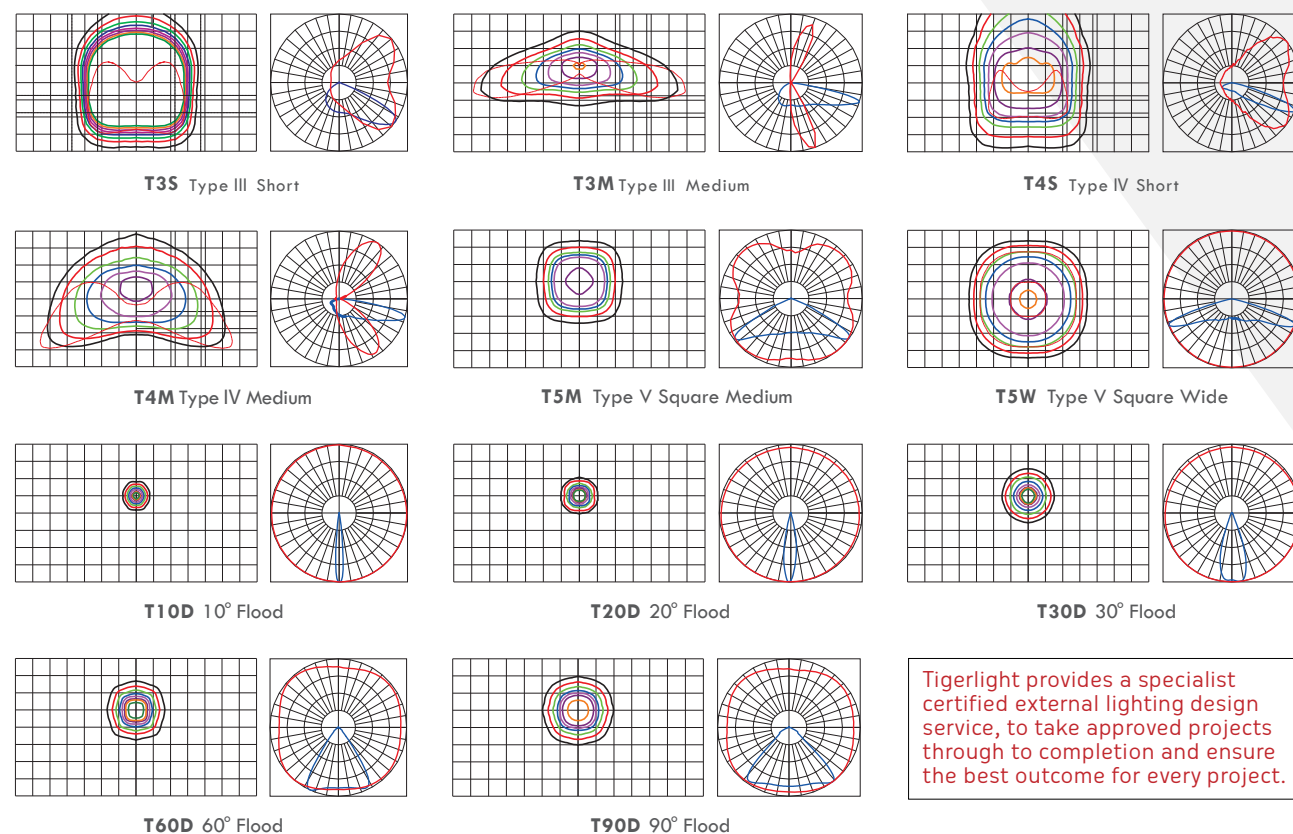
Optic Orientation



Optical distributions available



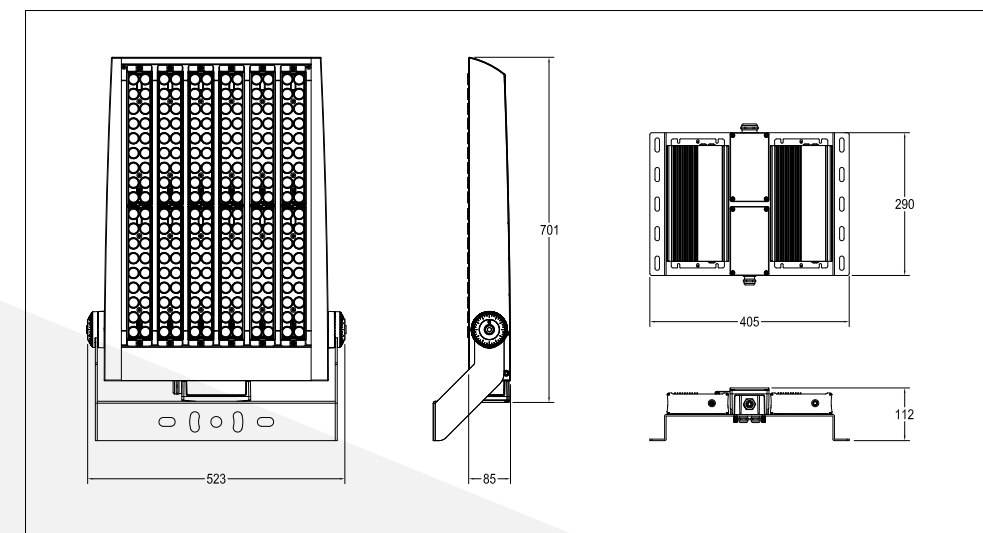
Photometry



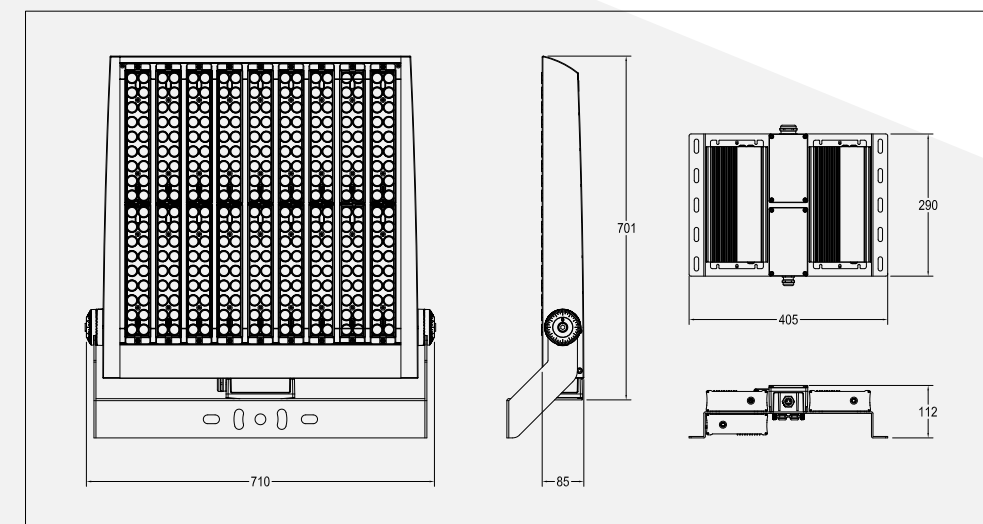
Tigerlight provides a specialist certified external lighting design service, to take approved projects through to completion and ensure the best outcome for every project.

DIMENSIONS OF LIGHT FITTINGS AND REMOTE POWER PACKS

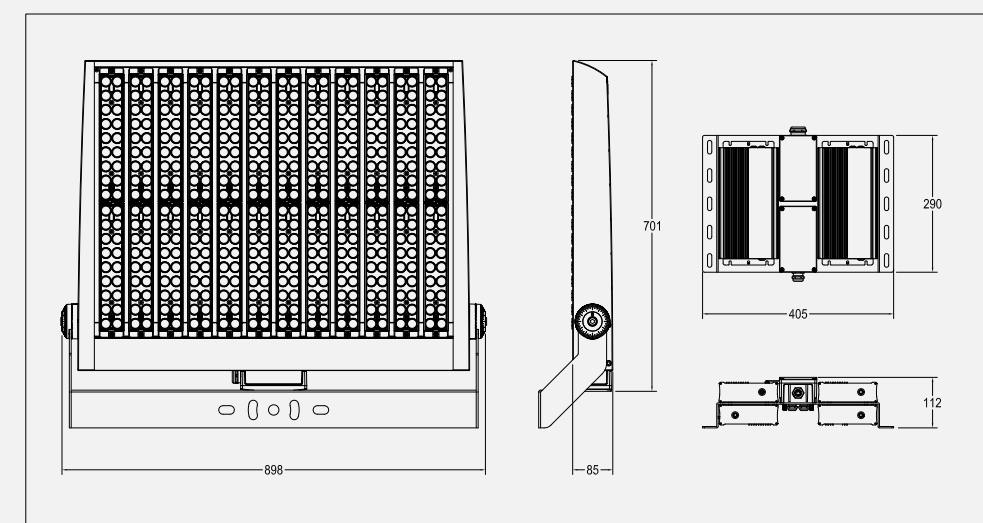
960W
112,500 lm



1440W
168,100 lm



1920W
220,800 lm



OPTIONS & ACCESSORIES TO MEET YOUR NEEDS PRECISELY

Voltage

Specify voltage required - normal mains 100-277VAC versus 3 phase 277-480VAC.

Optical lenses

11 lens options are available.

Asymmetric: T3S, T3M, T4S, T4M. Square: T5M, T5W. Round: T10D, T20D, T30D, T60D, T90D.

Optic orientation & Spill control

Lenses may be orientated within each module - forward (standard); to the left; to the right.

Patented spill control system available as required.

Dimming

Drivers are dimmable 1-10VDC standard. DALI dimming also available.



Colour temperature

5000K is standard. 3000K, 4000K and 5700K also available.

Heavy duty connector cabling

9 core cabling can be ordered to suit installation (height of poles, location of remote driver assembly, etc.)

Housing colour

Black.

Birdspikes are also available.

ORDER LEAD-TIMES: Please note that select wattages and lenses are held in stock for immediate delivery. For custom project orders, please allow 6-8 weeks for delivery by sea-freight.

Technical Parameters

Modular LED flood Lumen output (lm) HID equiv (approx)	960W 112,500 2000W	1440W 168,100 3000W	1920W 220,800 4000W
Input voltage	AC 100-277V or 277-480VAC	AC 100-277V or 277-480VAC	AC 100-277V or 277-480VAC
Input 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
Total Harmonic Distortion	<20% at full load	<20% at full load	<20% at full load
LED chips	High-performance 120+lm/W	High-performance 120+ lm/W	High-performance 120+ lm/W
LED modules	6x2x80W modules	9x2x80W modules	12x2x80W modules
LED driver (277VAC / 415VAC)	2 x Meanwell HLG / Inventronics	3 x Meanwell HLG / Inventronics	4 x Meanwell HLG / Inventronics
Luminous Flux	112,500 lm	168,100 lm / 120+lm/W	220,800 lm / 120+lm/W
Surge protection device	Imax 20KA	Imax 20KA	Imax 20KA
Dimming	1-10VDC, DALI	1-10VDC, DALI	1-10VDC, DALI
Colour temperature / CRI	5,000K / Ra >70	5,000K / Ra >70	5,000K / Ra >70
Lens type/beam spread	IESNA Types III, IV, V options	IESNA Types III, IV, V options	IESNA Types III, IV, V options
Light spill control	Options available	Options available	Options available
Working ambient temperature	-40 ~ +40°C	-40 ~ +40°C	-40 ~ +40°C
IP rating	IP67	IP67	IP67
Service life	≥ 50,000 hours	≥ 50,000 hours	≥ 50,000 hours
Composition - lenses/lens plate	Heavy duty polycarbonate	Heavy duty polycarbonate	Heavy duty polycarbonate
- Housing/heatsink	Aluminium	Aluminium	Aluminium
- Protective coating on housing	Polyester (100µm min)	Polyester (100µm min)	Polyester (100µm min)
Connector cable	Heavy-duty Outdoor, H07RN-F 9 core	Heavy-duty Outdoor, H07RN-F 9 core	Heavy-duty Outdoor, H07RN-F 9 core
Net weight - light fitting	13.1kg	19.6kg	23.5kg
Net weight - remote driver assembly	9.4kg	11.9kg	15.0kg
Dimensions of floodlight (LxWxD)	701x523x85mm	701x710x85mm	701x898x85mm
Dimensions of driver assembly (LxWxD)	290x405x112mm	290x405x112mm	290x405x112mm
Order code - 240-277VAC	FLS960L-XXX (XXX refers to lenses)	FLS1440L-XXX	FLS1920L-XXX
- 415VAC	FLS960H-XXX	FLS1440H-XXX	FLS1920H-XXX
Connector cable - accessory ordered per metre	FLS9CC-1M		