

IN A LEAGUE OF ITS OWN

TITAN SPORT LIGHTING



EVOLVE
LIGHTING

THE PERFECT SOLUTION FOR SCHOOL, CLUB AND STADIUM INSTALLATIONS.



PREMIER LIGHTING EXPERIENCE

Provide the highest levels of lighting to bring out the best in your players, with the latest in LED technology the Titan delivers crisp white light that makes it easier to track both ball and player movements, allowing your players to play at full speed with ease and comfort.

KEEP EXISTING INFRASTRUCTURE

Our innovative flat glass optics allows us to do a 1 for 1 replacement of existing metal halide fixtures and in most cases, we can use the existing poles and cabling saving a huge amount of costs.

BUILT TO LAST

The Titan was built with a 20 year service life in mind, we only use the best quality components and materials.

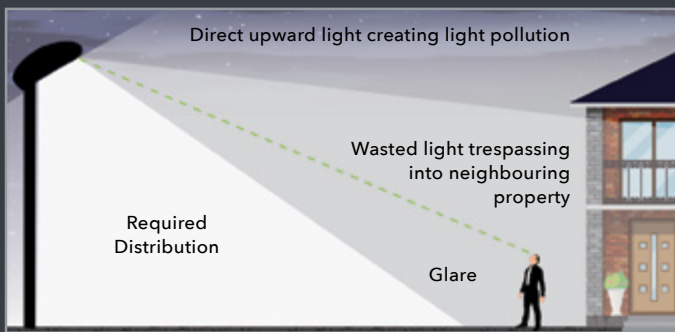
SAVING GOALS!

By using the latest in LED technology from industry leading manufacturers we can provide up to 50% in energy savings, which means while your players are saving goals on the field your saving money off it.

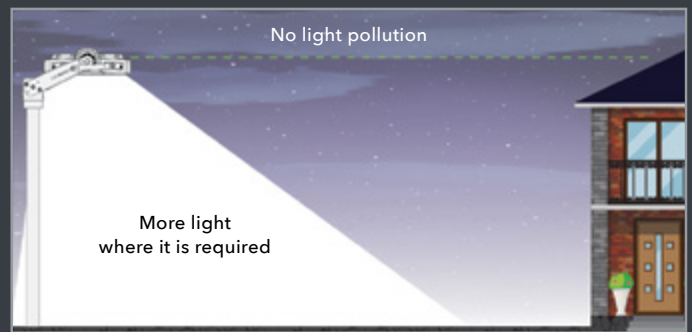
KEEPING YOUR NEIGHBOURS HAPPY

Our custom designed flat glass optics allows the Titan be to installed flat at 0°, greatly reducing both spill light and glare into neighbouring properties while eliminating wasted upward light. For sports grounds that have close boundaries we have additional shields to provide extra control.

STANDARD FLOODLIGHTS

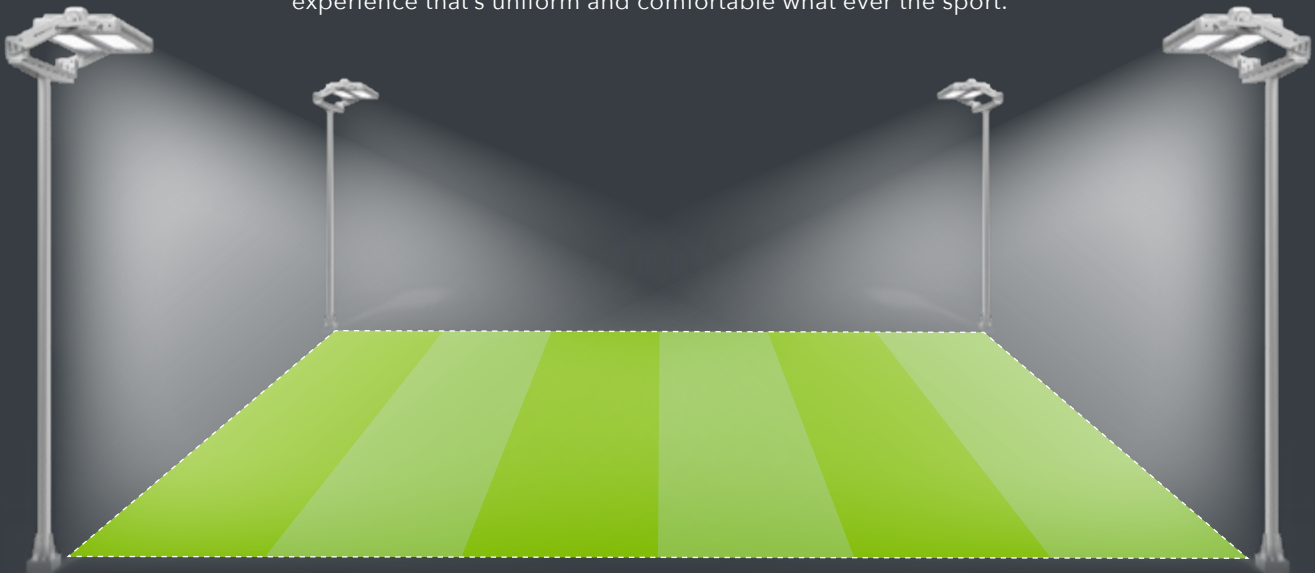


TITAN FLOODLIGHT



CUSTOM OPTICS

We have designed optics with sports in mind, so you get a lighting experience that's uniform and comfortable what ever the sport.



FREE DESIGN SERVICE

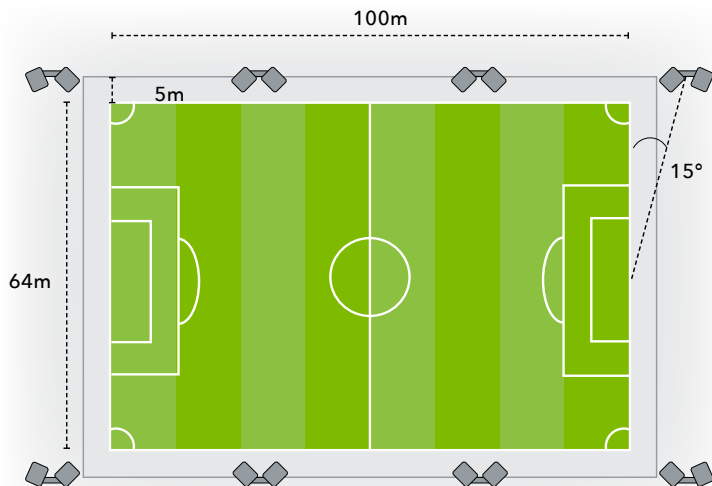
As every field is unique in its layout, Evolve offers a free lighting design service to ensure optimal results that meet and exceed the requirements.

STANDARD LIGHTING SCHEMES FOR

FOOTBALL

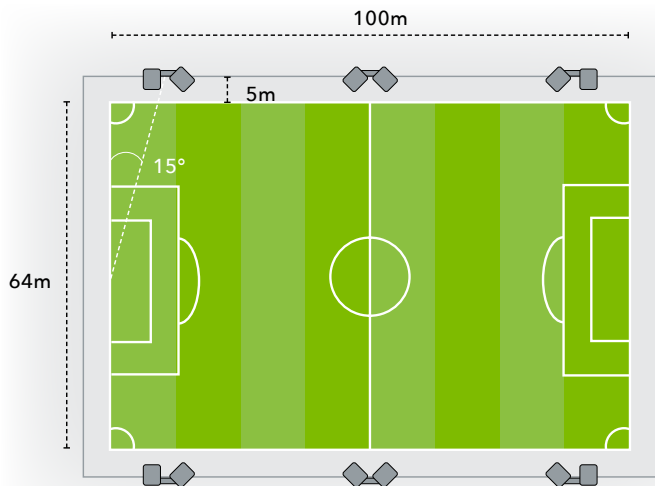
PROFESSIONAL COMPETITION

Floodlight Type	TITAN-1650-757-AS1	
Initial Lamp Lumens	230,000lm	
Quantities	32	
Poles	8 x 18m	
System Power	53.81kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	524	500
Uniformity (min/ave)	0.76	0.70
Glare rating (max)	37	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



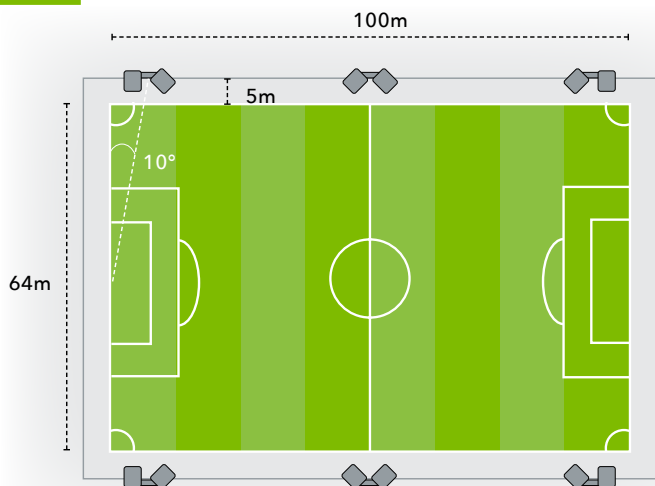
SEMI-PROFESSIONAL COMPETITION

Floodlight Type	TITAN-1650-757-AS1	
Initial Lamp Lumens	230,000lm	
Quantities	12	
Poles	6 x 18m	
System Power	20.18kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	232	200
Uniformity (min/ave)	0.67	0.60
Glare rating (max)	39	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



CLUB COMPETITION & MATCH PRACTICE

Floodlight Type	TITAN-960-757-AS1	
Initial Lamp Lumens	138,404lm	
Quantities	12	
Poles	6 x 14m	
System Power	11.52kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	140	100
Uniformity (min/ave)	0.62	0.50
Glare rating (max)	42.6	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	

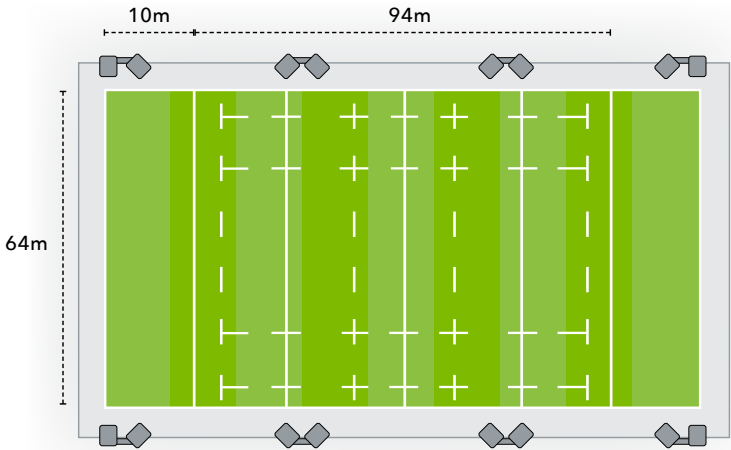


STANDARD LIGHTING SCHEMES FOR

RUGBY

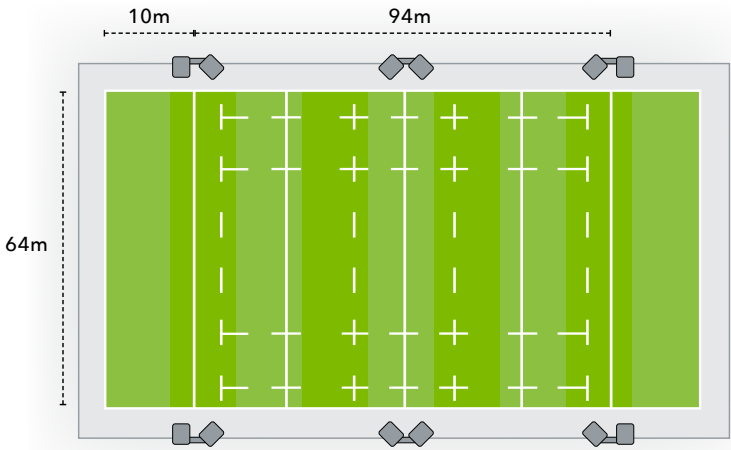
PROFESSIONAL COMPETITION

Floodlight Type	TITAN-1650-757-AS1	
Initial Lamp Lumens	230,000lm	
Quantities	32	
Poles	8 x 18m	
System Power	53.81kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	500	500
Uniformity (min/ave)	0.71	0.70
Glare rating (max)	39	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



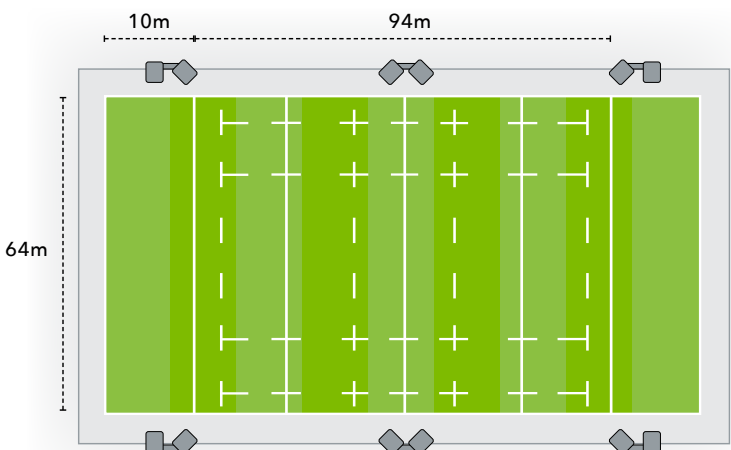
SEMI-PROFESSIONAL COMPETITION

Floodlight Type	TITAN-1650-757-AS1	
Initial Lamp Lumens	230,000lm	
Quantities	12	
Poles	6 x 18m	
System Power	20.18kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	210	200
Uniformity (min/ave)	0.58	0.50
Glare rating (max)	44	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



CLUB COMPETITION & MATCH PRACTICE

Floodlight Type	TITAN-960-757-AS1	
Initial Lamp Lumens	138,404lm	
Quantities	12	
Poles	6 x 14m	
System Power	11.52kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	129	100
Uniformity (min/ave)	0.58	0.50
Glare rating (max)	44	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	

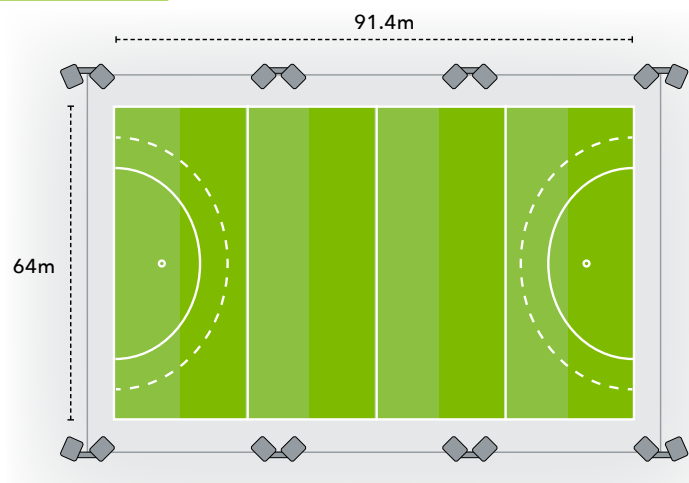


STANDARD LIGHTING SCHEMES FOR

HOCKEY

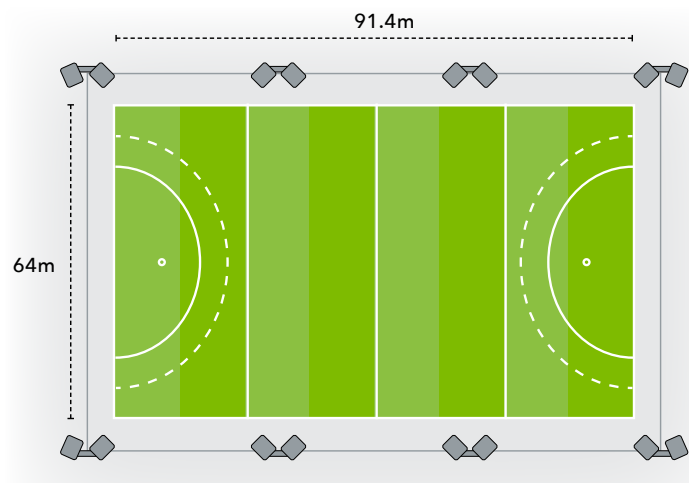
NATIONAL & INTERNATIONAL COMPETITION

Floodlight Type	TITAN-1650-757-AS1	
Initial Lamp Lumens	230,000lm	
Quantities	28	
Poles	8 x 18m	
System Power	53.81kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	558	500
Uniformity (min/ave)	0.75	0.70
Glare rating (max)	38	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



BALL TRAINING & MINOR GRADE COMPETITION

Floodlight Type	TITAN-960-757-AS1	
Initial Lamp Lumens	138,404lm	
Quantities	24	
Poles	8 x 18m	
System Power	23.04kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	270	250
Uniformity (min/ave)	0.78	0.60
Glare rating (max)	40	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



STANDARD LIGHTING SCHEMES FOR

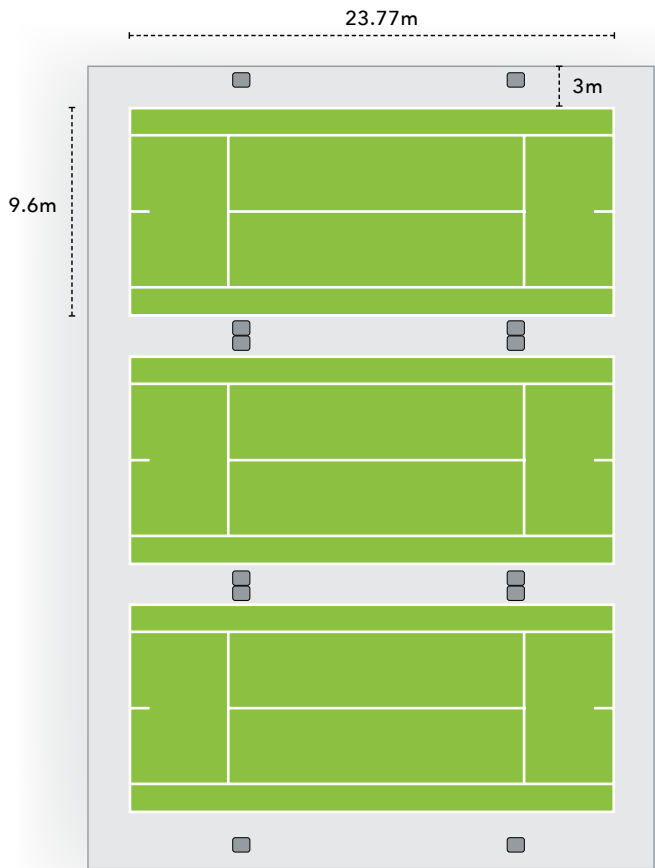
TENNIS

REGIONAL COMPETITION
- MULTIPLE COURTS

Floodlight Type	TITAN-550-757-AS2	
Initial Lamp Lumens	74,217lm	
Quantities	4 per court	
Poles	4 x 8m	
System Power	2.218kW per court	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	505	500
Uniformity (min/ave)	0.77	0.70
Glare rating (max)	25	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	

CLUB COMPETITION
- MULTIPLE COURTS

Floodlight Type	TITAN-480-757-AS2	
Initial Lamp Lumens	67,362lm	
Quantities	4 per court	
Poles	4 x 8m	
System Power	1.931kW per court	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	415	350
Uniformity (min/ave)	0.74	0.60
Glare rating (max)	24	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



STANDARD LIGHTING SCHEMES FOR

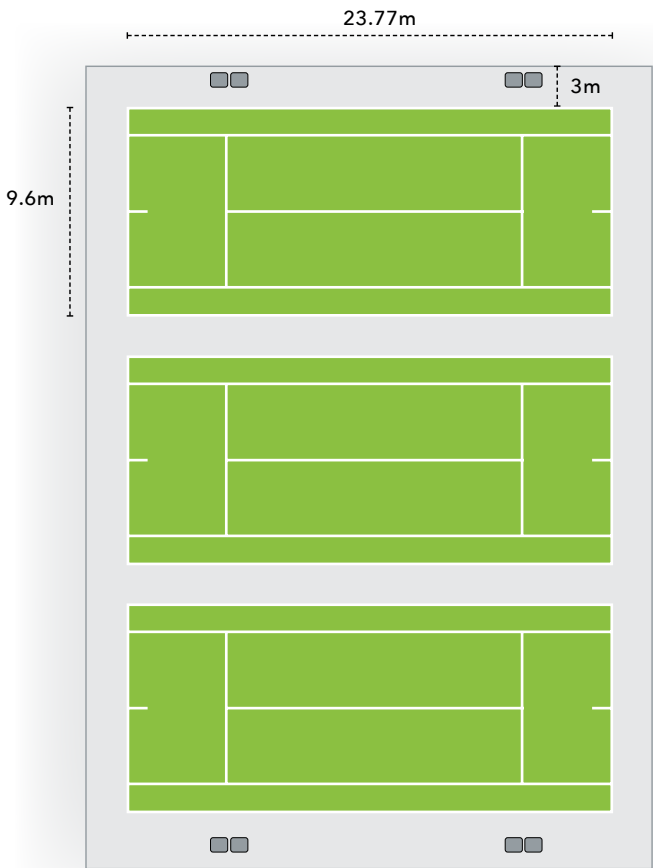
TENNIS

REGIONAL COMPETITION
- THREE COURTS

Floodlight Type	4 x TITAN-1110-757-AS1 4 x TITAN-1440-757-AS3	
Initial Lamp Lumens	151,521lm / 205,101lm	
Quantities	8	
Poles	4 x 12m	
System Power	10.338kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	540	500
Uniformity (min/ave)	0.78	0.70
Glare rating (max)	35	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	

CLUB COMPETITION
- THREE COURTS

Floodlight Type	4 x TITAN-960-757-AS1 4 x TITAN-960-757-AS3	
Initial Lamp Lumens	130,501lm	
Quantities	8	
Poles	4 x 12m	
System Power	7.682kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	380	350
Uniformity (min/ave)	0.81	0.60
Glare rating (max)	34	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



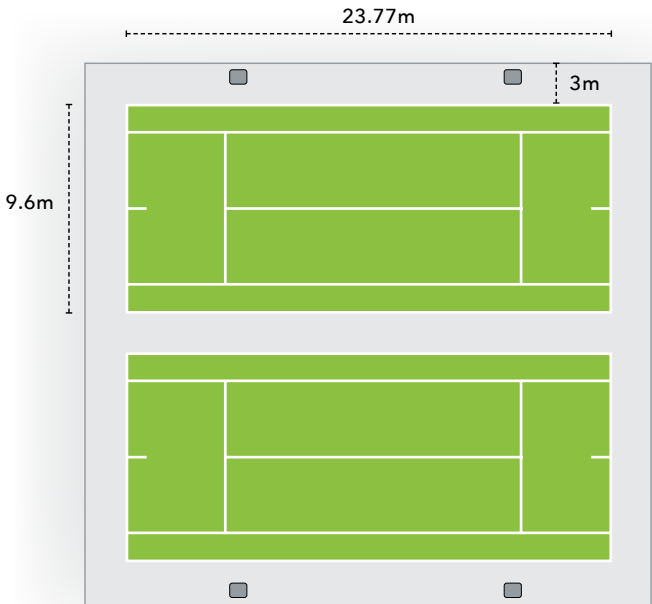
STANDARD LIGHTING SCHEMES FOR

TENNIS

REGIONAL COMPETITION
- TWO COURTS

Floodlight Type	TITAN-1440-757-AS3
Initial Lamp Lumens	205,101lm
Quantities	4
Poles	4 x 10m
System Power	5.930kW

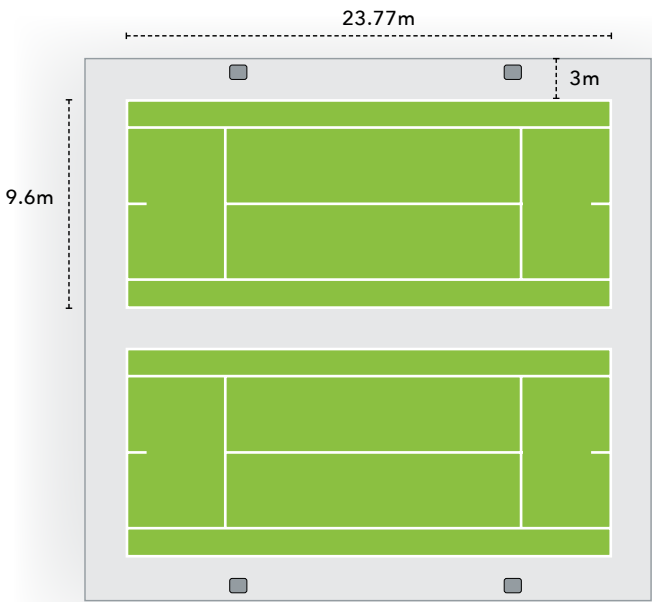
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	504	500
Uniformity (min/ave)	0.80	0.70
Glare rating (max)	31	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



CLUB COMPETITION
- TWO COURTS

Floodlight Type	TITAN-1100-757-AS2
Initial Lamp Lumens	149,214lm
Quantities	4
Poles	4 x 10m
System Power	4.424kW

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	354	350
Uniformity (min/ave)	0.81	0.60
Glare rating (max)	29	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	

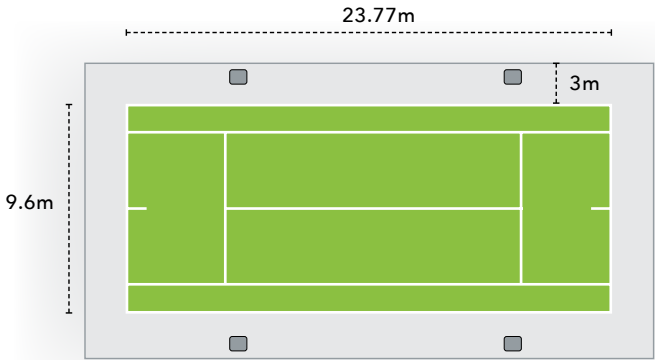


STANDARD LIGHTING SCHEMES FOR

TENNIS

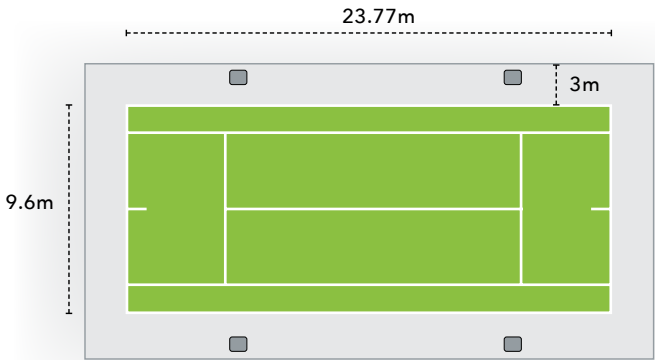
CLUB COMPETITION
- SINGLE COURT

Floodlight Type	TITAN-480-757-AS2	
Initial Lamp Lumens	67,362lm	
Quantities	4	
Poles	4 x 6m	
System Power	1.928kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	380	350
Uniformity (min/ave)	0.69	0.60
Glare rating (max)	29	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



RESIDENTIAL & RECREATIONAL
- SINGLE COURT

Floodlight Type	TITAN-320-757-AS2	
Initial Lamp Lumens	39,516lm	
Quantities	4	
Poles	4 x 6m	
System Power	1.293kW	
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	250	250
Uniformity (min/ave)	0.69	0.60
Glare rating (max)	29	50
Tilt angle	0°	
Upward Light Ratio	0%	
Maintenance factor	0.9	



SPECIFICATIONS & FEATURES



PRODUCT	TITAN 320-757	TITAN 480-757	TITAN 550-757	TITAN 960-757	TITAN 1100-757	TITAN 1440-757	TITAN 1650-757
Size	320W	480W	550W	960W	1100W	1440W	1650W
Lumen Output	47,000lm (±5%)	70,000lm (±5%)	79,000lm (±5%)	140,000lm (±5%)	158,000lm (±5%)	208,800lm (±5%)	237,000lm (±5%)
Luminous Efficacy	147lm/W	145lm/W		145lm/W		145lm/W	
CCT	5700K (3000K, 4000K, 5000K available)			5700K (3000K, 4000K, 5000K available)		5700K (3000K, 4000K, 5000K available)	
CRI	>70 (>80, >90 available)			>70 (>80, >90 available)		>70 (>80, >90 available)	
Bean Angle	12°, 30°, 60°, AS1, AS2			12°, 30°, 60°, AS1, AS2, AS3		12°, 30°, 60°, AS1, AS2, AS3	
Input Voltage	200-240Vac 50-60Hz PF ≥0.95			200-240Vac 50-60Hz PF ≥0.95		200-240Vac 50-60Hz PF ≥0.95	
IP Rating	IP66			IP66		IP66	
Driver	Inventronics			Inventronics		Inventronics	
LED Chips	Lumileds			Lumileds		Lumileds	
Colour	Telegrey (RAL7047)			Telegrey (RAL7047)		Telegrey (RAL7047)	

- ✓ **Massive light output of up to 230,000lm** to cover all levels of play while using fewer fittings
 - ✓ Total project flexibility with **three model configurations** covering wattages from 320W-1650W
 - ✓ Ultra-high system **efficiency of up to 145lm/W**
 - ✓ High quality **Lumileds LED Chip** and **Inventronics Driver** for top performance and quality
 - ✓ Excellent thermal management ensures a long **lifespan of 60,000 hours**
 - ✓ **Glare** and **light spill shields** available for extra control
- ✓ Multiple professionally designed **true asymmetric flat optics** designed for sports fields
 - ✓ Tough **IP66** and **IK09** construction
 - ✓ Suitable for **coastal areas** (with optional 316 stainless steel bracket)
 - ✓ High quality **AkzoNobel anti-corrosion Powder-coating**
 - ✓ **Bird protection** with reinforced cables and optional bird spikes
 - ✓ **Control gear box** can be installed on the bracket or remotely with our optional remote gear tray

GET THE BALL ROLLING:

P 0800 357 6311

w evolve-lighting.co.nz

EVOLVE
L I G H T I N G

