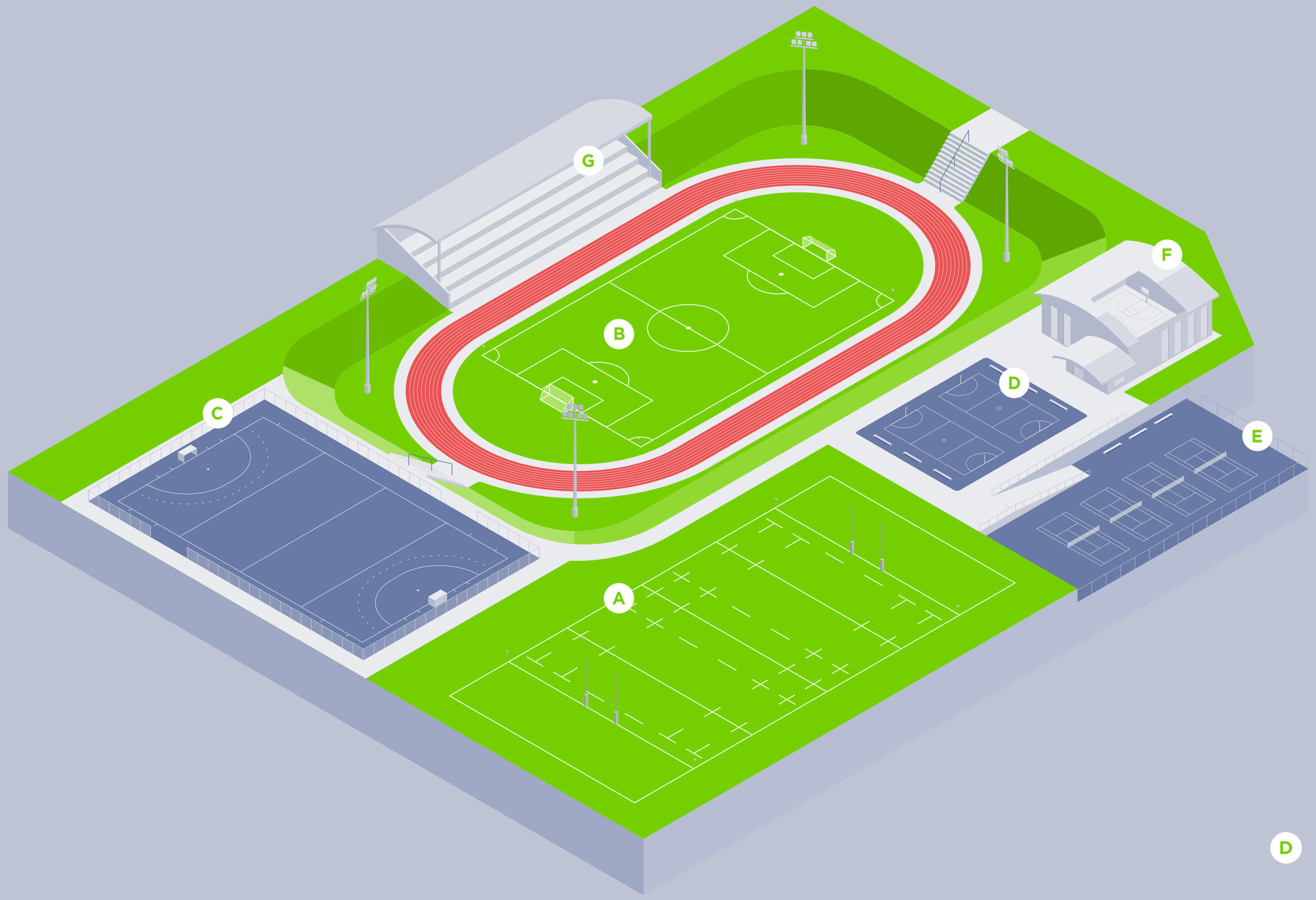
EVOLVE
LIGHTING

SPORTS APPLICATION GUIDE



GAME-CHANGING ILLUMINATION

- **A** RUGBY FIELDS 10
- **B** FOOTBALL FIELDS 14
- **C** HOCKEY PITCHES 18
- **D** NETBALL COURTS 22
- **E** TENNIS COURTS 26
- **F** INDOOR SPORTS HALLS 32
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SEE THE GAME IN A NEW LIGHT

BUILT TO LAST

All our sports lights go through a strict, multi-step coating process. It starts with pre-treated aluminium and a chromatic conversion coating for added corrosion resistance. We then add an epoxy primer for extra durability, finished with a high-quality Interpon polyester powder coat for superior weatherability.

10 YEAR WARRANTY

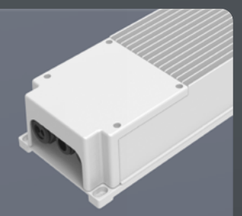
The Titan and Striker are engineered for a 20-year service life, using only the highest quality components and materials. With high-performance LEDs and control gear rated for 100,000 hours, we're proud to offer an impressive 10-year warranty – because reliability comes standard.

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.

HIGH PERFORMANCE CONTROL GEAR

Our control gear comes standard with both DALI-2 dimming and DMX capabilities for flexible lighting control. It also supports a wide input voltage range of 198–440Vac, making it compatible with both single and three-phase systems.



LIGHTWEIGHT DESIGN

The Striker was built with weight in mind – even the powerful 1800W model weighs just 24.6 kg (excluding the driver), making installation easier and reducing structural load.

PRECISION LIGHT CONTROL

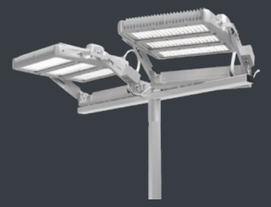
The Striker uses our custom-designed optics to keep light focused right where it's needed – on the pitch. With less light going to waste, we can use lower wattage fittings without compromising on performance.

DURABLE OPTICS

We use high-quality polycarbonate from idemitsu for our optics – tough enough to pass the UL 746C outdoor weatherability test for UV exposure and water resistance.

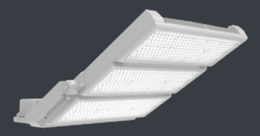
TITAN TECHNICAL DATA

	TITAN-360	TITAN-480	TITAN-550	TITAN-960	TITAN-1100	TITAN- 1440	TITAN-1650
WATTAGE	320W	480W	550W	960W	1100W	1440W	1650W
LUMEN OUTPUT (at 5700k)	47,000lm	70,000lm	79,000lm	140,000lm	158,000lm	208,800lm	237,000lm
LUMINOUS EFFICACY	147lm/W	145lm/W					
CCT	5000K (3000K, 4000K, 5700K available)						
CRI	>70 (>80, >90 available)						
BEAM ANGLE	12°, 30°, 60°, AS1, AS2			12°, 30°, 60°, AS1, AS2, AS3			
INPUT VOLTAGE	AC198-440V / 50-60Hz						
IP RATING	IP66						
WEIGHT (including driver)	19kg			29kg		39.4kg	
WEIGHT (Without driver)	14kg			23.4kg		33kg	
COLOUR	Telegrey (RAL7047)						
WARRANTY	10 Years						



STRIKER TECHNICAL DATA

	STRIKER-600	STRIKER-1200	STRIKER-1800
WATTAGE	600W	1200W	1800W
LUMEN OUTPUT (at 5700k)	93,294lm	186,000lm	279,00lm
LUMINOUS EFFICACY	155lm/W		
CCT	4000K, 5700K		
CRI	>70 (>80, >90 available)		
BEAM ANGLE	AS5		
INPUT VOLTAGE	AC198-440V / 50-60Hz		
IP RATING	IP66		
WEIGHT (including driver)	13.5kg	26kg	32.5kg
WEIGHT (Without driver)	10.4kg	18.4kg	24.6kg
COLOUR	Telegrey (RAL7047)		
WARRANTY	10 Years		



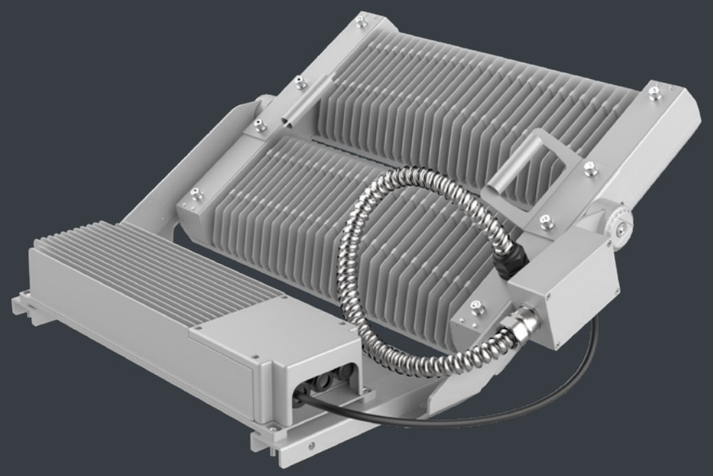
CUSTOM OPTIMISATION FROM THE GROUND UP

FLEXIBLE CONTROL GEAR MOUNTING

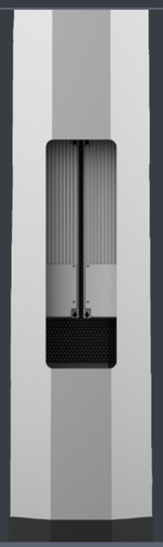
Our high-performance control gear can be easily removed and mounted remotely – either in a cabinet or inside the pole (up to two drivers max).

CUSTOM 16M POLES

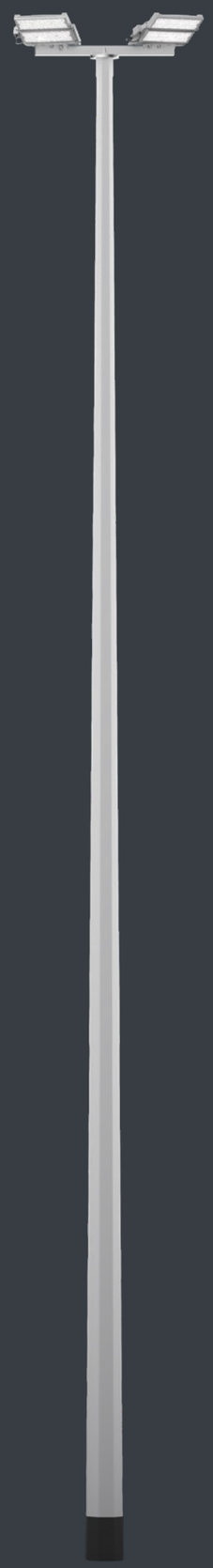
Our custom made 16m octagonal poles are specifically designed for our Titan and Striker Sports lights. Designed by engineers in New Zealand using high strength steel and suitable for C4 corrosion and NZ3 regions.

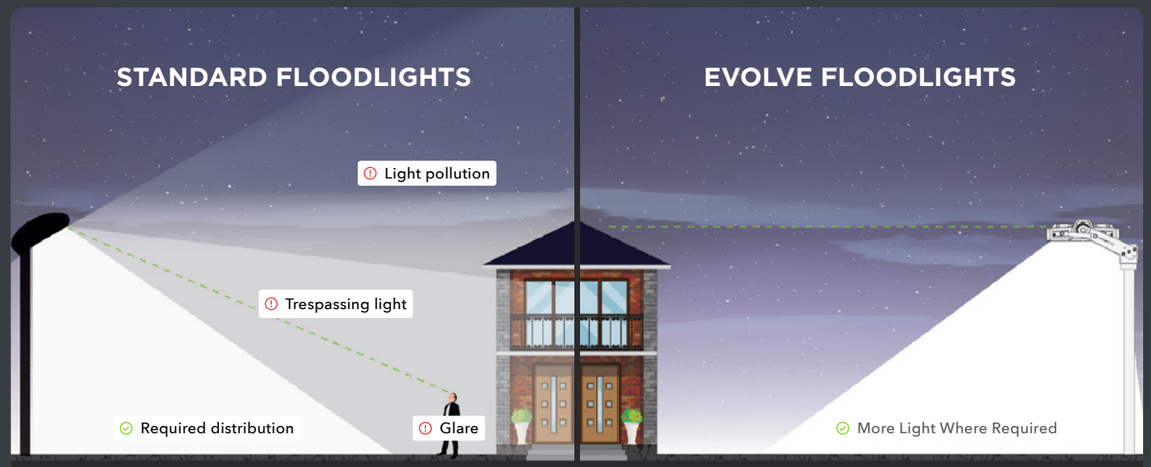


CABINET



INSIDE POLE





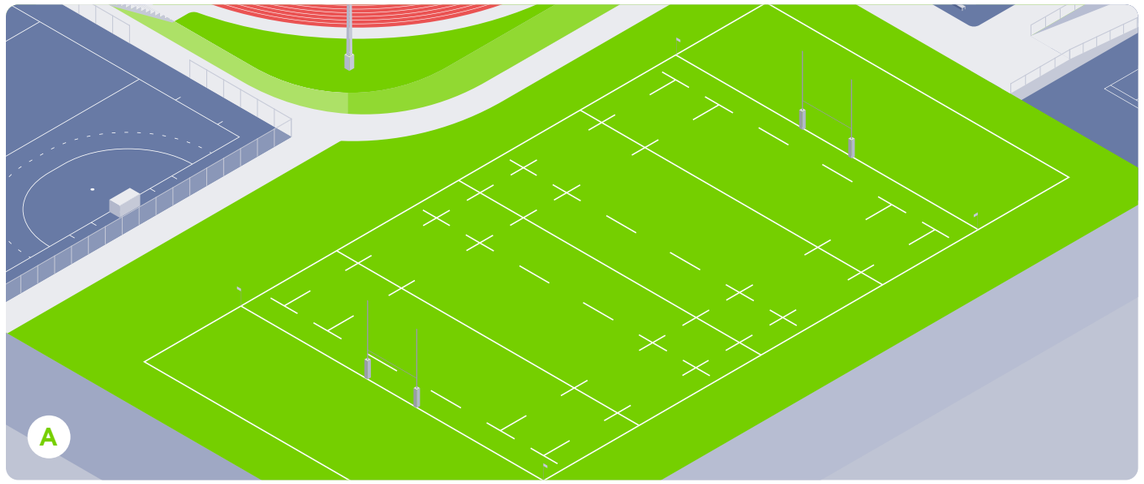
KEEPING YOUR NEIGHBOURS HAPPY

Our custom-designed optics significantly reduce spill light and glare into nearby properties, while eliminating wasted upward light. For sports grounds with tight boundaries, optional shielding provides even greater control where it's needed most.

- Meeting lighting requirement
- Wasted light causing pollution and intrusion

TAILORED FOR EVERY FIELD

Every sports field is different, which is why Evolve offers a free lighting design service to deliver optimal results that meet – and often exceed – all requirements.



RUGBY FIELDS

Rugby fields are where the action happens—fast breaks, hard hits, pinpoint passes, and game-winning tries.

Good lighting is essential for both performance and safety. It helps players react quickly, improves visibility, and reduces the risk of injury.

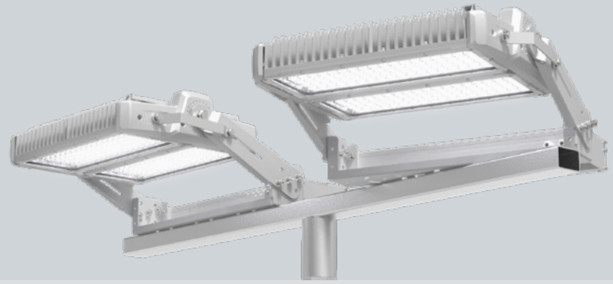
DESIGN CONSIDERATIONS

- **Visual Comfort:** To make playing under lights more enjoyable, it's essential to achieve comfortable glare levels (Glare rating ≤50). Both luminaire aiming and pole positions should be considered so they don't interfere with the player's natural line of sight.
- **Light Levels:** Due to the fast-paced action on the pitch, it is important that high light levels are achieved for good visibility. It is also important to consider vertical illumination, in addition to horizontal, so that the ball is not lost during a high-trajectory kick. Special attention should also be given to make sure the goal line and especially the corner flags are well-lit.
- **Uniform light:** Lighting should be uniformly bright across the field and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Spill light:** Consider lighting with low tilt angles and more controlled light to prevent light trespass. Shields can be used in cases where neighbouring areas are very close.
- **Long-life:** Choose long-lasting LEDs and control gear to reduce how often parts need replacing. Mounting the control gear remotely also helps lower maintenance time and costs.

TITAN

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

The Titan is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements, from Tennis to Rugby.



KEY FEATURES:

- Massive light output of up to 230,000lm
- Ultra-high system efficiency of up to 145lm/W
- High quality Lumileds LED chips
- Long >102,000 hours lifespan to L70
- 198-440Vac Input voltage
- Professionally designed true asymmetric flat optics
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- Polycarbonate passes UL 746C outdoor weatherability test
- High quality Interpon anti-corrosion powder coating
- 10 year Warranty

STRIKER

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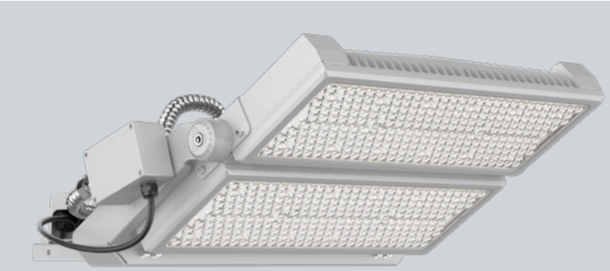

KEY FEATURES:

- Massive light output of up to 279,000lm
- Ultra-high system efficiency of up to 155lm/W
- High quality Seoul LED chips
- Long >96,000 hours lifespan to L90
- 198-440Vac Input voltage
- Professionally designed asymmetric optics provide excellent spill light control
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- High quality Interpon anti-corrosion powder coating
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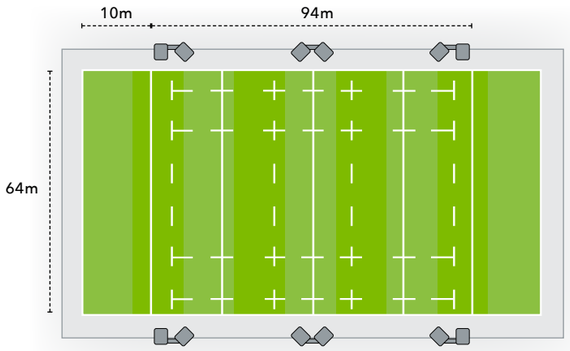
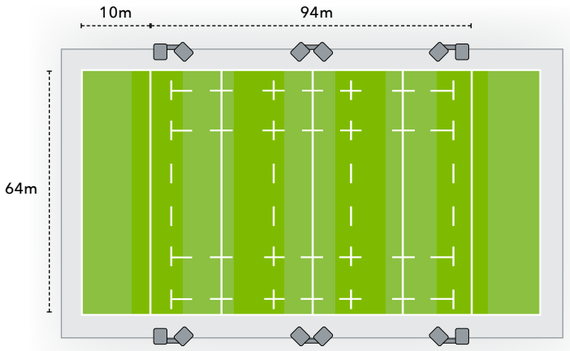
RUGBY FIELDS



PROFESSIONAL COMPETITION

Floodlight Type	**16 x STRIKER-1800-757-AS5** **8 x STRIKER-1200-757-AS5**
Initial Lamp Lumens	**279,930lm / 186,620lm**
Quantities	**24**
Poles	**6 x 16m**
System Power	**42,330kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**525**	500
Uniformity (min/ave)	**0.77**	0.70
Uniformity (min/max)	**0.62**	0.50
Uniformity Gradient (max)	**1.33**	1.33
Glare rating (max)	**48**	50
Tilt angle	**30°/ 35°/40°**	
Upward Light Ratio	**1%**	
Maintenance factor	**0.92**	

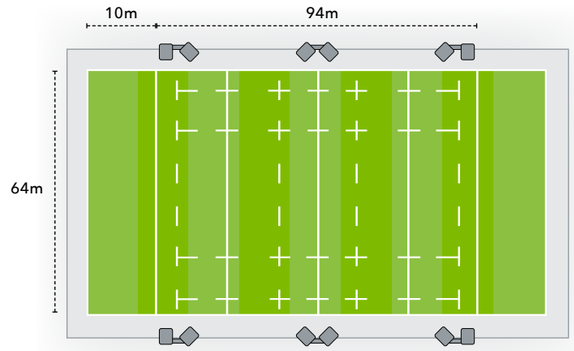


SEMI-PROFESSIONAL COMPETITION

Floodlight Type	**STRIKER-1200-757-AS5**
Initial Lamp Lumens	**186,620lm**
Quantities	**12**
Poles	**6 x 16m**
System Power	**14.44kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**210**	200
Uniformity (min/ave)	**0.72**	0.60
Uniformity (min/max)	**0.57**	0.40
Uniformity Gradient (max)	**1.42**	1.67
Glare rating (max)	**46**	50
Tilt angle	**35°/40°**	
Upward Light Ratio	**1%**	
Maintenance factor	**0.92**	

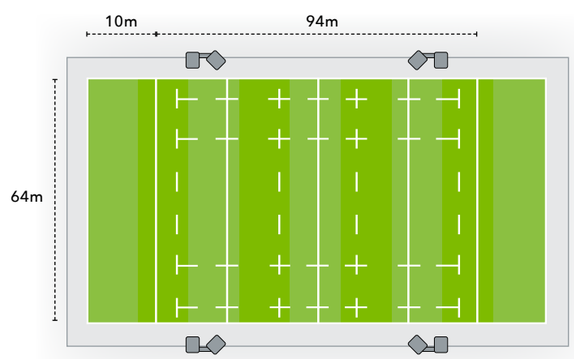
Designed to Australian Standard AS 2560.2:2021. These designs are for reference only, please contact us for full designs tailored to your field. Pole quantities and tilt angles may change if spill light is a concern.



CLUB COMPETITION & MATCH PRACTICE

Floodlight Type	**STRIKER-600-757-AS5**
Initial Lamp Lumens	**94,727lm**
Quantities	**12**
Poles	**6 x 16m**
System Power	**7.25kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**108**	100
Uniformity (min/ave)	**0.71**	0.50
Uniformity (min/max)	**0.56**	0.30
Uniformity Gradient (max)	**1.46**	2
Glare rating (max)	**45**	50
Tilt angle	**35°/40°**	
Upward Light Ratio	**1%**	
Maintenance factor	**0.92**	



BALL & PHYSICAL TRAINING

Floodlight Type	**STRIKER-600-757-AS5**
Initial Lamp Lumens	**94,727lm**
Quantities	**8**
Poles	**4 x 16m**
System Power	**4.83kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**65**	50
Uniformity (min/ave)	**0.61**	0.3
Uniformity (min/max)	**0.38**	N/A
Uniformity Gradient (max)	**1.55**	N/A
Glare rating (max)	**45**	N/A
Tilt angle	**40°**	
Upward Light Ratio	**1.2%**	
Maintenance factor	**0.92**	

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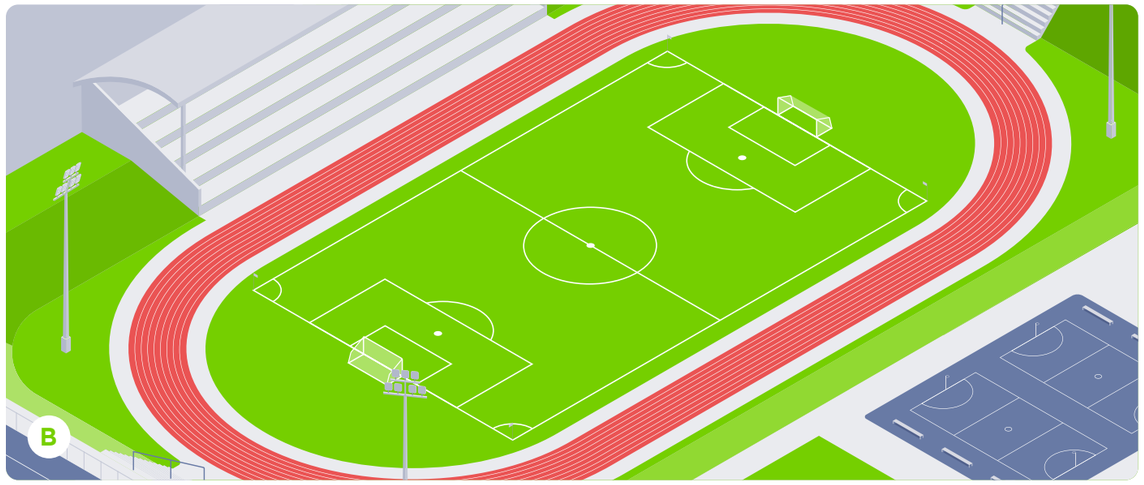

FOOTBALL FIELDS

With its fast-paced action, precise passing, hard tackles, and powerful strikes, good lighting is essential for both performance and safety while playing football. It helps players react quickly and reduces the risk of injury.

DESIGN CONSIDERATIONS

- **Visual Comfort:** To make playing under lights more enjoyable, it's essential to achieve comfortable glare levels (Glare rating ≤50). Both luminaire aiming and pole positions should be considered so they don't interfere with the player's natural line of sight.
- **Light Levels:** Due to the fast-paced action on the pitch, it is important that high light levels are achieved for good visibility. It is also important to consider vertical illumination, in addition to horizontal, so that the ball is not lost during a high-trajectory kick. Special attention should also be given to make sure the penalty box area is well-lit.
- **Uniform light:** Lighting should be uniformly bright across the field and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Spill light:** Consider lighting with low tilt angles and more controlled light to prevent light trespass. Shields can be used in cases where neighbouring areas are very close.
- **Long-life:** Choose long-lasting LEDs and control gear to reduce how often parts need replacing. Mounting the control gear remotely also helps lower maintenance time and costs.

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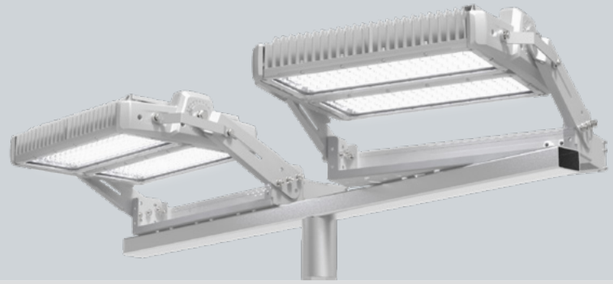
The Titan is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements, from Tennis to Rugby.



KEY FEATURES:

- Massive light output of up to 230,000lm
- Ultra-high system efficiency of up to 145lm/W
- High quality Lumileds LED chips
- Long >102,000 hours lifespan to L70
- 198-440Vac Input voltage
- Professionally designed true asymmetric flat optics
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- Polycarbonate passes UL 746C outdoor weatherability test
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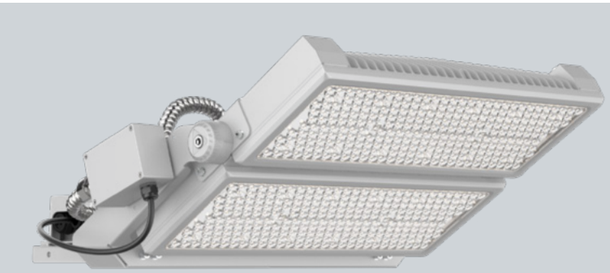

KEY FEATURES:

- Massive light output of up to 279,000lm
- Ultra-high system efficiency of up to 155lm/W
- High quality Seoul LED chips
- Long >96,000 hours lifespan to L90
- 198-440Vac Input voltage
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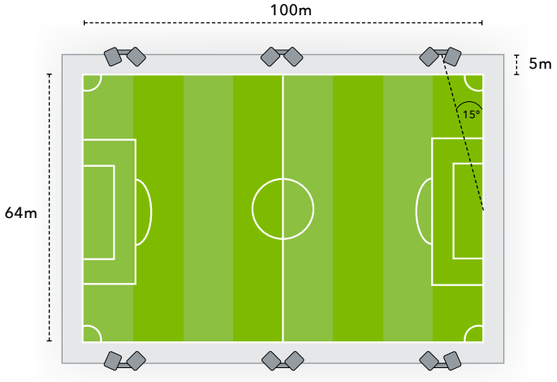
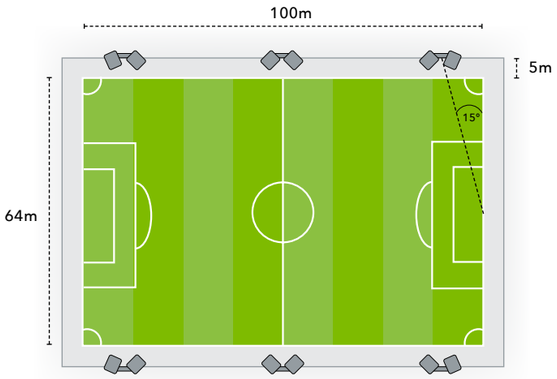
FOOTBALL FIELDS



PROFESSIONAL COMPETITION

Floodlight Type	**STRIKER-1800-757-AS5**
Initial Lamp Lumens	**279,930lm**
Quantities	**18**
Poles	**6 x 16m**
System Power	**32.7kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**525**	500
Uniformity (min/ave)	**0.73**	0.70
Uniformity (min/max)	**0.61**	0.50
Uniformity Gradient (max)	**1.23**	1.33
Glare rating (max)	**45**	50
Tilt angle	**30°/ 35°/40°**	
Upward Light Ratio	**1%**	
Maintenance factor	**0.92**	



SEMI-PROFESSIONAL COMPETITION

Floodlight Type	**STRIKER-1200-757-AS5**
Initial Lamp Lumens	**186,620lm**
Quantities	**12**
Poles	**6 x 16m**
System Power	**14.44kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**235**	200
Uniformity (min/ave)	**0.70**	0.60
Uniformity (min/max)	**0.53**	0.40
Uniformity Gradient (max)	**1.45**	1.67
Glare rating (max)	**44**	50
Tilt angle	**30°/ 35°/40°**	
Upward Light Ratio	**1%**	
Maintenance factor	**0.92**	

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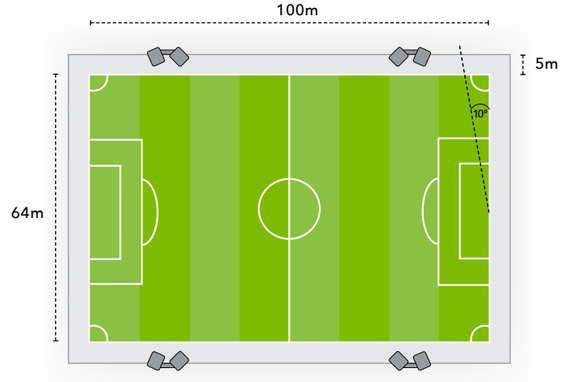
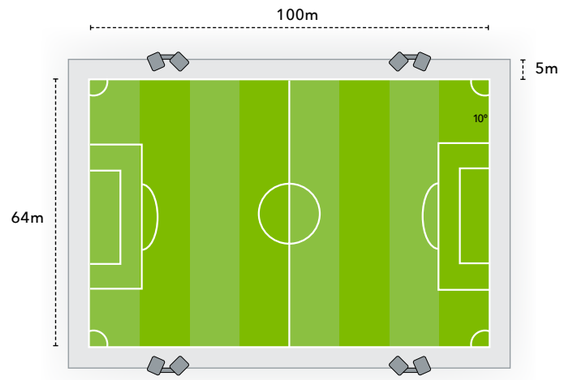


CLUB COMPETITION & MATCH PRACTICE

Floodlight Type	**4x STRIKER-1200-757-AS5** **4x STRIKER-600-757-AS5**
Initial Lamp Lumens	**186,620lm / 94,727lm**
Quantities	**8**
Poles	**4 x 16m**
System Power	**7.23kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**115**	100
Uniformity (min/ave)	**0.70**	0.50
Uniformity (min/max)	**0.45**	0.30
Uniformity Gradient (max)	**1.57**	2
Glare rating (max)	**47**	50
Tilt angle	**40°**	
Upward Light Ratio	**1.2%**	
Maintenance factor	**0.92**	



BALL & PHYSICAL TRAINING

Floodlight Type	**STRIKER-600-757-AS5**
Initial Lamp Lumens	**94,727lm**
Quantities	**8**
Poles	**4 x 16m**
System Power	**4.83kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**72**	50
Uniformity (min/ave)	**0.65**	0.3
Uniformity (min/max)	**0.41**	N/A
Uniformity Gradient (max)	**1.52**	N/A
Glare rating (max)	**47**	N/A
Tilt angle	**40°**	
Upward Light Ratio	**1.2%**	
Maintenance factor	**0.92**	

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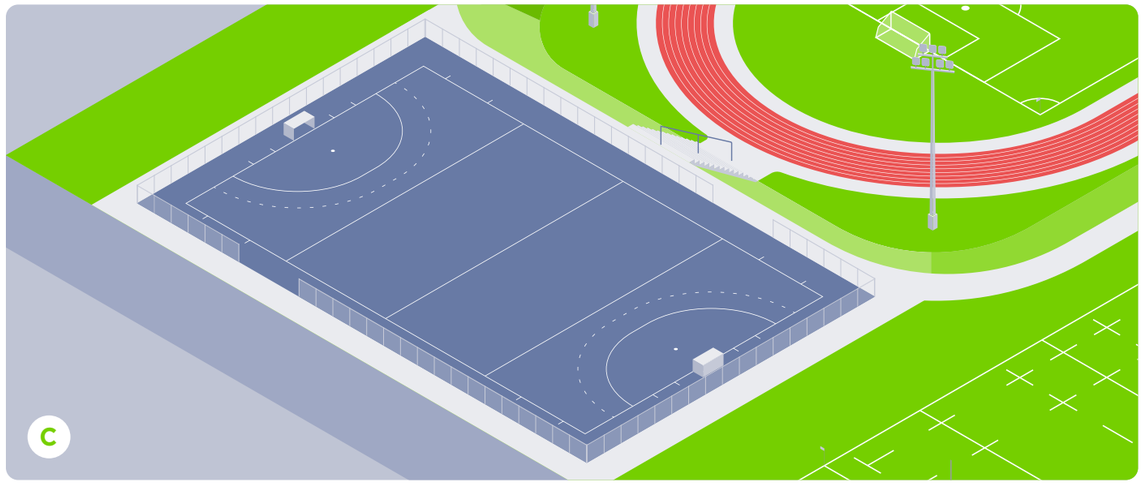

HOCKEY PITCHES

Hockey is a high-speed, high-intensity game where every second counts—and so does every detail of the lighting.

With a small, fast-moving ball that stays low but can also fly high, visibility is critical for both players and officials to track every pass, deflection, and shot on goal.

Goalkeepers especially rely on sharp lighting to read the ball's flight from any angle or height, without being distracted by glare. That means lighting must be carefully placed and designed to keep their line of sight clean and clear.

DESIGN CONSIDERATIONS

- **Visual Comfort:** To make playing under lights more enjoyable, it's essential to achieve comfortable glare levels (Glare rating ≤50). Both luminaire aiming and pole positions should be considered so they don't interfere with the player's natural line of sight.
- **Light Levels:** Due to the fast-paced action and even faster-paced small ball, it is important that high light levels are achieved for good visibility (500lux). It is also important to consider vertical illumination, in addition to horizontal, so that the ball is not lost during a high-trajectory passes. Special attention should also be given to make sure the goal area is well-lit.
- **Uniform light:** Lighting should be uniformly bright across the pitch and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Spill light:** Consider lighting with low tilt angles and more controlled light to prevent light trespass. Shields can be used in cases where neighbouring areas are very close.
- **Long-life:** Choose long-lasting LEDs and control gear to reduce how often parts need replacing. Mounting the control gear remotely also helps lower maintenance time and costs.

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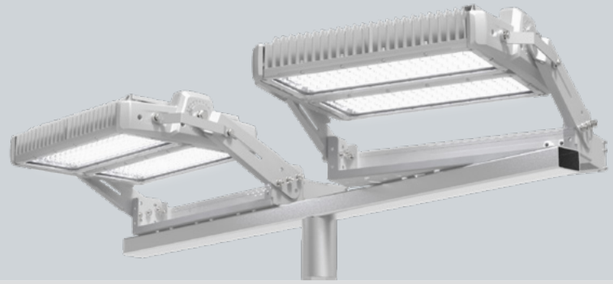


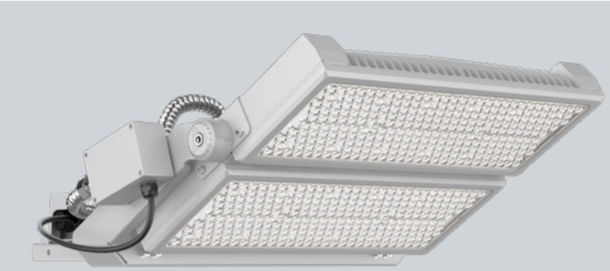
KEY FEATURES:

- Massive light output of up to 230,000lm
- Ultra-high system efficiency of up to 145lm/W
- High quality Lumileds LED chips
- Long >102,000 hours lifespan to L70
- 198-440Vac Input voltage
- Professionally designed true asymmetric flat optics
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- Polycarbonate passes UL 746C outdoor weatherability test
- High quality Interpon anti-corrosion powder coating
- 10 year Warranty

STRIKER

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

The Striker is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements. Our unique optic design enables us to use less product while achieving excellent results.

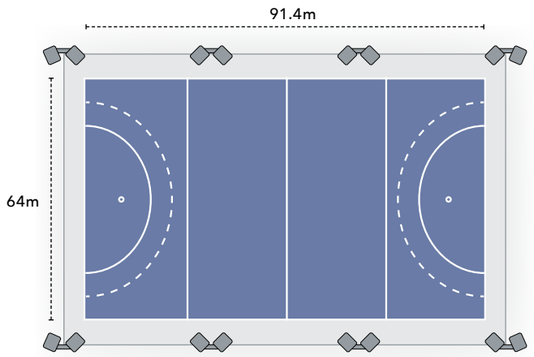


KEY FEATURES:

- Massive light output of up to 279,000lm
- Ultra-high system efficiency of up to 155lm/W
- High quality Seoul LED chips
- Long >96,000 hours lifespan to L90
- 198-440Vac Input voltage
- Professionally designed asymmetric optics provide excellent spill light control
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- High quality Interpon anti-corrosion powder coating
- Polycarbonate passes UL 746C outdoor weatherability test
- 10 year Warranty

STANDARD LIGHTING SCHEMES

HOCKEY PITCHES



SEMI-PROFESSIONAL COMPETITION

Floodlight Type	**STRIKER-1800-757-AS5**
Initial Lamp Lumens	**279,930lm**
Quantities	**16**
Poles	**8 x 16m**
System Power	**28.87kW**

DESIGN	**ACHIEVED**	REQUIRED
Illuminance (Eh ave)	**500**	500
Uniformity (min/ave)	**0.76**	0.70
Uniformity (min/max)	**0.62**	0.50
Uniformity Gradient (max)	**1.30**	1.43
Glare rating (max)	**37**	50
Tilt angle	**30°/ 35°**	
Upward Light Ratio	**1%**	
Maintenance factor	**0.92**	

Designed to Australian Standard AS 2560.2:2021. These designs are for reference only, please contact us for full designs tailored to your field. Pole quantities and tilt angles may change if spill light is a concern.

NETBALL COURTS

Netball is all about quick passes, sharp cuts, and big plays in the shooting circle.

Players move and look in every direction, and with the ball often flying high, up to 8 metres, clear, consistent lighting across the full court is a must.

Shots can come from anywhere inside the goal circle, and fast reactions depend on being able to see the ball and every move around it. While the pace isn't as extreme as some sports, the action is constant, and high-quality lighting ensures players and spectators don't miss a beat.

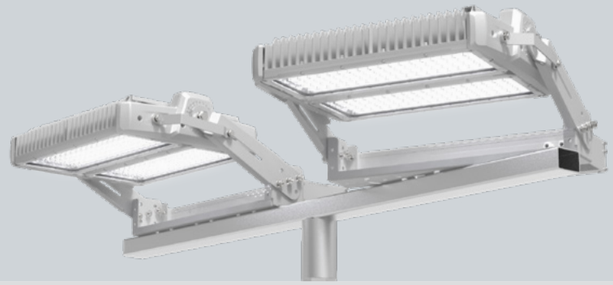
DESIGN CONSIDERATIONS

- **Visual Comfort:** To make playing under lights more enjoyable, it's essential to achieve comfortable glare levels (Glare rating ≤50). Both luminaire aiming and pole positions should be considered so they don't interfere with the player's natural line of sight.
- **Light Levels:** While not as demanding visually as other sports, it is important that the courts are well lit to ensure good visibility. It is also important to consider vertical illumination, in addition to horizontal, so that the ball is not lost during flight. Special attention should also be given to make sure the shooting zone is well-lit.
- **Uniform light:** Lighting should be uniformly bright across the court and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Spill light:** Consider lighting with low tilt angles and more controlled light to prevent light trespass. Shields can be used in cases where neighbouring areas are very close.
- **Long-life:** Choose long-lasting LEDs and control gear to reduce how often parts need replacing. Mounting the control gear remotely also helps lower maintenance time and costs.

TITAN

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

The Titan is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements, from Tennis to Rugby.

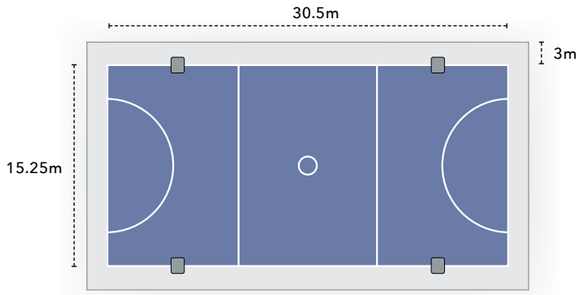


KEY FEATURES:

- Massive light output of up to 230,000lm
- Ultra-high system efficiency of up to 145lm/W
- High quality Lumileds LED chips
- Long >102,000 hours lifespan to L70
- 198-440Vac Input voltage
- Professionally designed true asymmetric flat optics
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- Polycarbonate passes UL 746C outdoor weatherability test
- High quality Interpon anti-corrosion powder coating
- 10 year Warranty

STANDARD LIGHTING SCHEMES

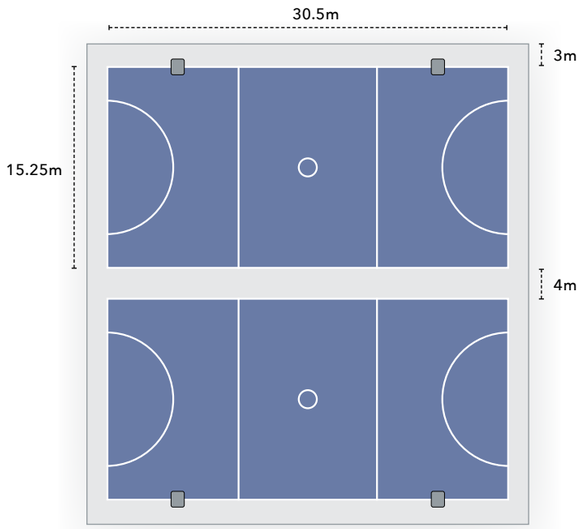
NETBALL COURTS



LOCAL & REGIONAL COMPETITION (SINGLE COURT)

Floodlight Type	**TITAN-480-750-AS2**
Initial Lamp Lumens	**67,362lm**
Quantities	**4**
Poles	**4 x 8m**
System Power	**1.928kW**

DESIGN	**ACHIEVED**	REQUIRED
Illuminance (Eh ave)	**244**	200
Uniformity (min/ave)	**0.75**	0.60
Uniformity (min/max)	**0.54**	0.40
Glare rating (max)	**37**	50
Tilt angle	**0°**	
Upward Light Ratio	**0%**	
Maintenance factor	**0.92**	

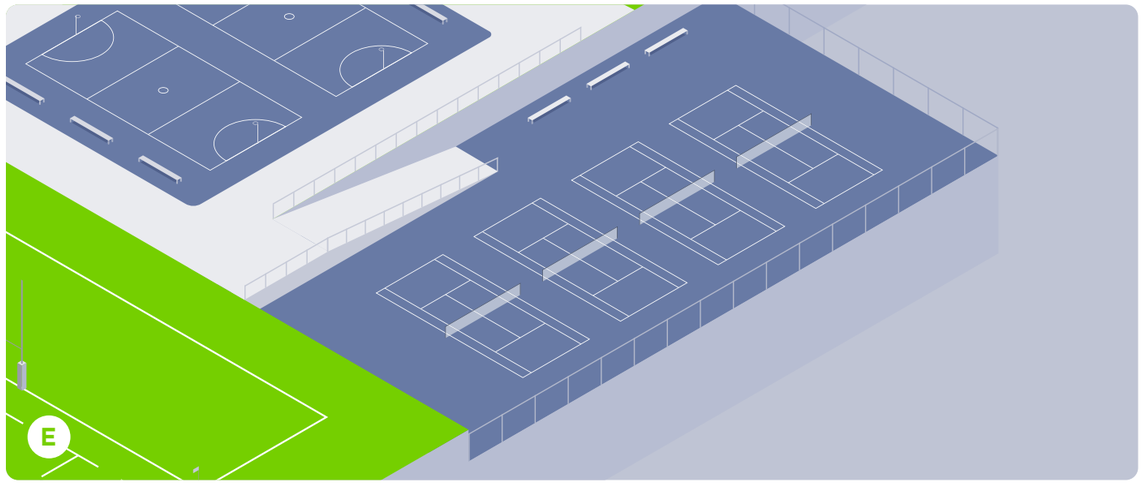


LOCAL & REGIONAL COMPETITION (TWO COURT)

Floodlight Type	**TITAN.2-960-750-AS3**
Initial Lamp Lumens	**130,501lm**
Quantities	**4**
Poles	**4 x 12m**
System Power	**7.682kW**

DESIGN	**ACHIEVED**	REQUIRED
Illuminance (Eh ave)	**235**	200
Uniformity (min/ave)	**0.74**	0.60
Uniformity (min/max)	**0.62**	0.40
Glare rating (max)	**37**	50
Tilt angle	**0°**	
Upward Light Ratio	**0%**	
Maintenance factor	**0.92**	

Designed to Australian Standard AS 2560.2:2021. These designs are for reference only, please contact us for full designs tailored to your field. Pole quantities and tilt angles may change if spill light is a concern.



TENNIS COURTS

Tennis is a game of speed, precision, and split-second reactions.

With the ball flying at high speeds and players moving in all directions, lighting needs to keep up. Whether it's a powerful serve, a high lob, or a quick volley at the net, players must be able to see the ball clearly at all times.

That means bright, uniform lighting across the entire court, especially above the net. Glare control is key to helping players stay locked in and focused through every rally.

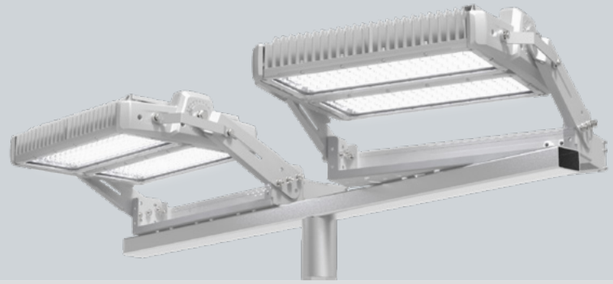
DESIGN CONSIDERATIONS

- **Visual Comfort:** To make playing under lights more enjoyable, it's essential to achieve comfortable glare levels (Glare rating ≤50). Both luminaire aiming and pole positions should be considered so they don't interfere with the player's natural line of sight.
- **Light Levels:** Due to the fast-paced action and even faster-paced small ball, it is important that the courts are well lit to ensure good visibility. It is also important to consider vertical illumination, in addition to horizontal, so that the ball is not lost during lobs.
- **Uniform light:** Lighting should be uniformly bright across the court and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Spill light:** Consider lighting with low tilt angles and more controlled light to prevent light trespass. Shields can be used in cases where neighbouring areas are very close.
- **Long-life:** Choose long-lasting LEDs and control gear to reduce how often parts need replacing. Mounting the control gear remotely also helps lower maintenance time and costs.

TITAN

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

The Titan is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements, from Tennis to Rugby.



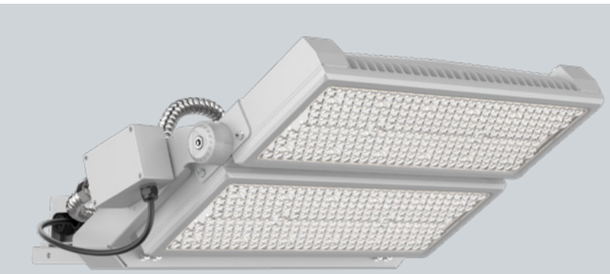
KEY FEATURES:

- Massive light output of up to 230,000lm
- Ultra-high system efficiency of up to 145lm/W
- High quality Lumileds LED chips
- Long >102,000 hours lifespan to L70
- 198-440Vac Input voltage
- Professionally designed true asymmetric flat optics
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- Polycarbonate passes UL 746C outdoor weatherability test
- High quality Interpon anti-corrosion powder coating
- 10 year Warranty

STRIKER

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

The Striker is a series of high-performance sports floodlights that cover all your outdoor sports lighting requirements. Our unique optic design enables us to use less product while achieving excellent results.



KEY FEATURES:

- Massive light output of up to 279,000lm
- Ultra-high system efficiency of up to 155lm/W
- High quality Seoul LED chips
- Long >96,000 hours lifespan to L90
- 198-440Vac Input voltage
- Professionally designed asymmetric optics provide excellent spill light control
- New single driver design for easy remote mounting
- DALI-2 and CLO function
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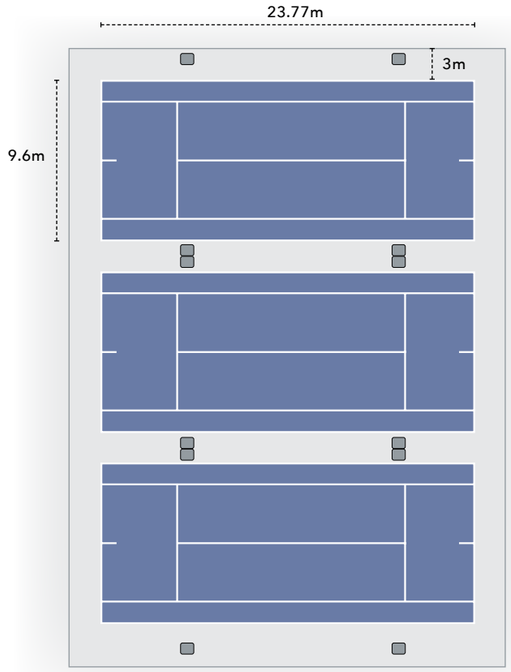
TENNIS COURTS



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**

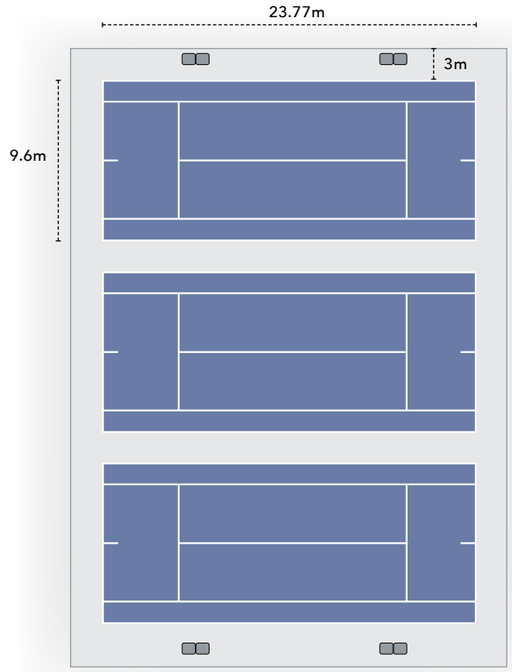
DESIGN	**ACHIEVED**	REQUIRED
Illuminance (Eh ave)	**505**	500
Uniformity (min/ave)	**0.77**	0.70
Glare rating (max)	**25**	50
Tilt angle	**0°**	
Upward Light Ratio	**0%**	
Maintenance factor	**0.92**	

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	**0.92**	

Designed to Australian Standard AS 2560.2:2021. These designs are for reference only, please contact us for full designs tailored to your field. Pole quantities and tilt angles may change if spill light is a concern.



REGIONAL COMPETITION (THREE COURTS)

Floodlight Type	**4 x TITAN.2-1110-757-AS1** **4 x TITAN.2-1440-757-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	**0.92**	

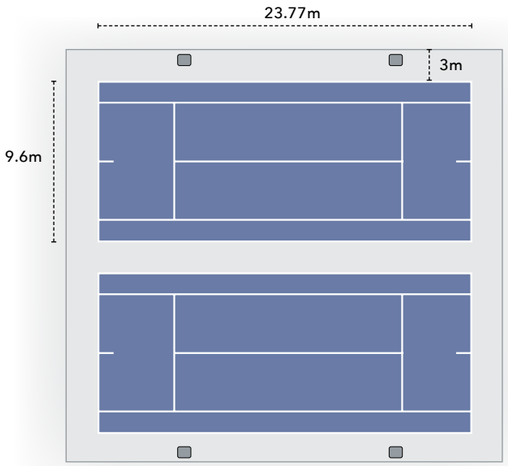
CLUB COMPETITION (THREE COURTS)

Floodlight Type	**4 x TITAN.2-960-757-AS1** **4 x TITAN.2-960-757-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	**0.92**	

Designed to Australian Standard AS 2560.2:2021. These designs are for reference only, please contact us for full designs tailored to your field. Pole quantities and tilt angles may change if spill light is a concern.

TENNIS COURTS



REGIONAL COMPETITION (TWO COURTS)

Floodlight Type	**TITAN.2-1440-757-AS3**
Initial Lamp Lumens	**205,101lm**
Quantities	**4**
Poles	**4 x 10m**
System Power	**5.930kW**

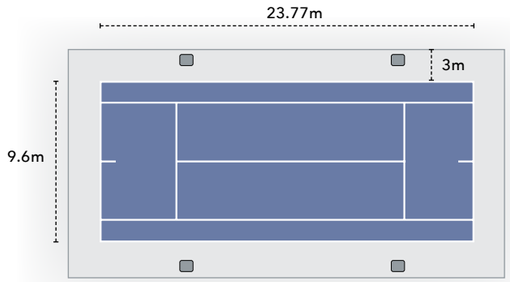
DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**504**	500
Uniformity (min/ave)	**0.80**	0.70
Glare rating (max)	**31**	50
Tilt angle	**0°**	
Upward Light Ratio	**0%**	
Maintenance factor	**0.92**	

CLUB COMPETITION (TWO COURTS)

Floodlight Type	**TITAN.2-1100-757-AS3**
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	**0.92**	

Designed to Australian Standard AS 2560.2:2021. These designs are for reference only, please contact us for full designs tailored to your field. Pole quantities and tilt angles may change if spill light is a concern.



CLUB COMPETITION (SINGLE COURT)

Floodlight Type	**TITAN-550-750-AS2**
Initial Lamp Lumens	**74,217lm**
Quantities	**4**
Poles	**4 x 8m**
System Power	**4.424kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**370**	350
Uniformity (min/ave)	**0.87**	0.6
Glare rating (max)	**29**	50
Tilt angle	**0°**	
Upward Light Ratio	**0%**	
Maintenance factor	**0.92**	

RESIDENTIAL & RECREATIONAL (SINGLE COURT)

Floodlight Type	**TITAN-480-750-AS2**
Initial Lamp Lumens	**67,362lm**
Quantities	**4**
Poles	**4 x 6m**
System Power	**1.928kW**

DESIGN	ACHIEVED	REQUIRED
Illuminance (Eh ave)	**330**	250
Uniformity (min/ave)	**0.71**	0.6
Glare rating (max)	**29**	50
Tilt angle	**0°**	
Upward Light Ratio	**0%**	
Maintenance factor	**0.92**	

Designed to Australian Standard AS 2560.2:2021. These designs are for reference only, please contact us for full designs tailored to your field. Pole quantities and tilt angles may change if spill light is a concern.

INDOOR SPORTS HALLS

Sports halls are used for a wide range of sports, basketball to gymnastics to badminton.

The lighting should be designed to cover a range of sports. It needs to be bright and even throughout the gym while being comfortable to play under, and when balls are flying, the lighting itself needs to take a hit.

DESIGN CONSIDERATIONS

- **Visual Comfort:** Comfortable levels of glare for playing sports (UGR 22, DQLS Requirement)
- **Light Levels:** High light levels for to cover a multitude of sports, including basketball to badminton (500lux)
- **Uniform light:** Lighting should be uniformly bright across the floor and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Impact Resistance:** Use luminaires that are capable of withstanding direct hits from balls (have an IK10 rating) and are shatterproof to prevent debris from falling on to players if hit.
- **Adjustable Lighting:** Use dimmable LED fixtures to accommodate various activities.
- **Long-life:** Use long-life LED light fittings to reduce the need for frequent replacements and minimize maintenance costs.

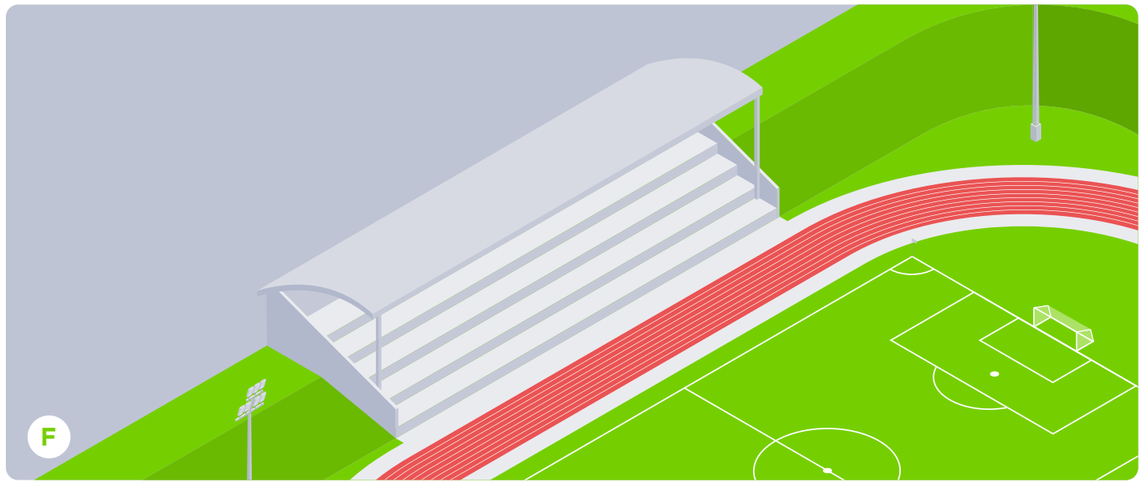
SHIELD

SPORTS HALL LINEAR LIGHT

The Shield is one tough luminaire with its integrated ball-proof wire guard.

KEY FEATURES:

- Ball proof construction with wire guard
- Ultra-efficient system efficacy of up to 163lm/W
- Long lifetime of >100,000hrs to L80
- Low UGR of 22 for improved visual comfort
- Asymmetric and symmetric beam angles available
- Multiple mounting options
- Easy access wiring design
- DALI dimming option



STADIUMS & STANDS

Stadiums are where the biggest moments happen—under pressure, at speed, and often in front of thousands.

Whether it's a night-time final or a live broadcast, top-tier lighting is essential to bring the action to life.

Players need clear, consistent lighting to perform at their best. Spectators, both in the stands and watching on screen, expect a flawless visual experience. That means powerful illumination with high uniformity, minimal glare, and excellent colour rendering to capture every detail—no matter the weather or the sport.

DESIGN CONSIDERATIONS

- **Visual Comfort:** Comfortable levels of glare for playing different sports at the highest level.
- **Light Levels:** The highest light levels to cover a multitude of sports, including rugby, football and athletics being played at the highest levels. Vertical is essential for visibility of players, ball trajectory, and for broadcast quality, especially for high-angle cameras.
- **Uniform Light:** Lighting should be uniformly bright across the ground and vertical plane to eliminate shadows and dark spots that could interfere with visibility during gameplay.
- **Light Quality:** High CRI (≥80, ideally >90) helps reproduce natural skin tones and colours—essential for broadcast and viewer experience. Flicker-free lighting is particularly important for high-definition and slow-motion broadcasting.
- **Long-life:** Choose long-lasting LEDs and control gear to reduce how often parts need replacing. Mounting the control gear remotely also helps lower maintenance time and costs.

TITAN S SERIES

HIGH PERFORMANCE LED SPORTS FLOODLIGHT

Designed for Stadiums with large poles, the S series has a narrow beam angle that is slightly asymmetrical, which essentially cuts the top off of the distribution to prevent spill light and glare.

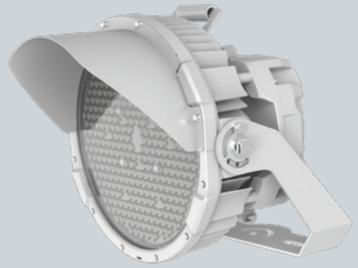
KEY FEATURES:

- Slightly asymmetric spot beam with minimum spill light
- Massive light output of up to 214,500lm
- Ultra-high system efficiency of up to 130lm/W
- High quality Lumileds LED Chips
- Long >102,000 hours lifespan to L70
- Flexible 198-440Vac Input voltage
- Professionally designed true asymmetric flat optics
- New single driver design for easy remote mounting
- DALI-2 and CLO function
- High quality AkzoNobel anti-corrosion powder-coating

TITAN R SERIES

ROUND LED SPORTS FLOODLIGHT

Designed for a one for one replacement for existing round metal halide floodlights.



KEY FEATURES:

- Excellent light output of up to 124,000lm
- Ultra-high system efficiency of up to 155lm/W
- High quality Lumileds LED Chips
- Long >102,000 hours lifespan to L70
- 240V/400V options
- Multiple beam angles available
- Unique multi-directional Mx Bracket
- Tough IP66 and IK09 construction
- High quality AkzoNobel anti-corrosion powder coating

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