



SPORTS LIGHTING GUIDE

Sports Lighting Specialists at Every Level



Sports lighting solutions tailored to you

Root3 Lighting offers high-quality lighting solutions designed to elevate every sporting experience. Whether it's a stadium, football field, or swimming pool, we ensure exceptional visibility and atmosphere with energy-efficient lighting systems that let fans and athletes focus entirely on the game. Our commitment to quality and innovation means spectators can enjoy an immersive experience while clubs and facilities benefit from cost-effective, long-lasting performance. With Root3, it's not just about lighting up a space, it's about enhancing every moment of sport.



Why upgrade your LED lighting?

Upgrading your sports lighting brings a range of benefits for both performance and audience experience. Modern LED systems offer brighter, more uniform illumination with less glare, improving visibility for players, officials, and spectators alike. Energy-efficient lighting reduces running costs and carbon footprint, while advanced controls allow for dimming, scheduling, and scene-setting tailored to different events. With longer lifespans and lower maintenance needs, new lighting solutions ensure reliable performance and reduced disruptions—making them a smart investment for any club, facility, or venue aiming to meet modern standards.



“Efficient lighting leads to lower bills and higher performance.”



Cost Effectiveness

LED lighting cuts energy costs and needs little upfront investment.



Maintenance

LEDs last longer, come with hassle-free warranties meaning fewer replacements.



Improved Performance

The right lighting boosts focus, vision, and mood.



Environment

Cut your carbon emissions, benefiting the planet.



Supporting you every step



Dedicated Internal & External ASM's
Ensuring a more personalised service.



Project Sales Engineers
Expert guidance and site surveys.



Customer Service
Technical & support teams providing
the best service.



Next Day Delivery
Order before 4pm for guaranteed same
day dispatch on stocked items.

Contact us:  **Call Us 01493 669574**

General Information:

✉ info@rt3group.co.uk

Sales:

✉ sales@rt3group.co.uk

We offer a wide range of suitable sports fittings for both indoor and outdoor applications and if you take advantage of our free in-house lighting design service we can tailor a bespoke solution for suit all environments whilst providing excellent return on investment in terms of energy and money savings.

Harlock

Suitable for: Outdoor Tennis Courts, Large Swimming Pools & Driving Ranges.

The Harlock is an asymmetric sports light with an optic lens and up to 93% lighting transparency. It's a tough light, suitable for outdoors with an IP66 and IK10 rating.



Wimbleball

Suitable for: Padel courts

Wimbleball is specifically designed to LTA Standards for Padel Court Lighting, energy efficient at 165 lm/W & featuring Lumineux's most advanced optics for even light distribution.



Wilton

Suitable for: Swimming pools and Tennis Courts.

The Wilton is a high quality sports light with asymmetric optics, ideal for environments that require a specific direction of light.



Arnfield

Suitable for: Indoor Tennis Courts

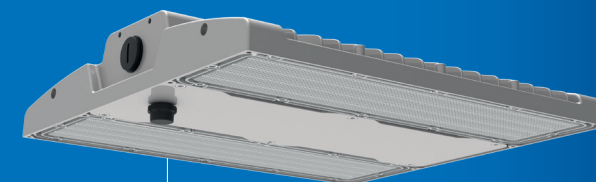
Reaching LTA Standards, the Arnfield can be adapted to the environment with bespoke court lighting optics.



Belmont

Suitable for: Sports halls, Gymnasiums and Assembly Halls.

The High impact Belmont is a robust linear High Bay with outstanding performance and low glare.



Averon Plus & Carsington Plus

Suitable for: Football Pitches, Rugby Pitches, Golf Courses & Driving Ranges

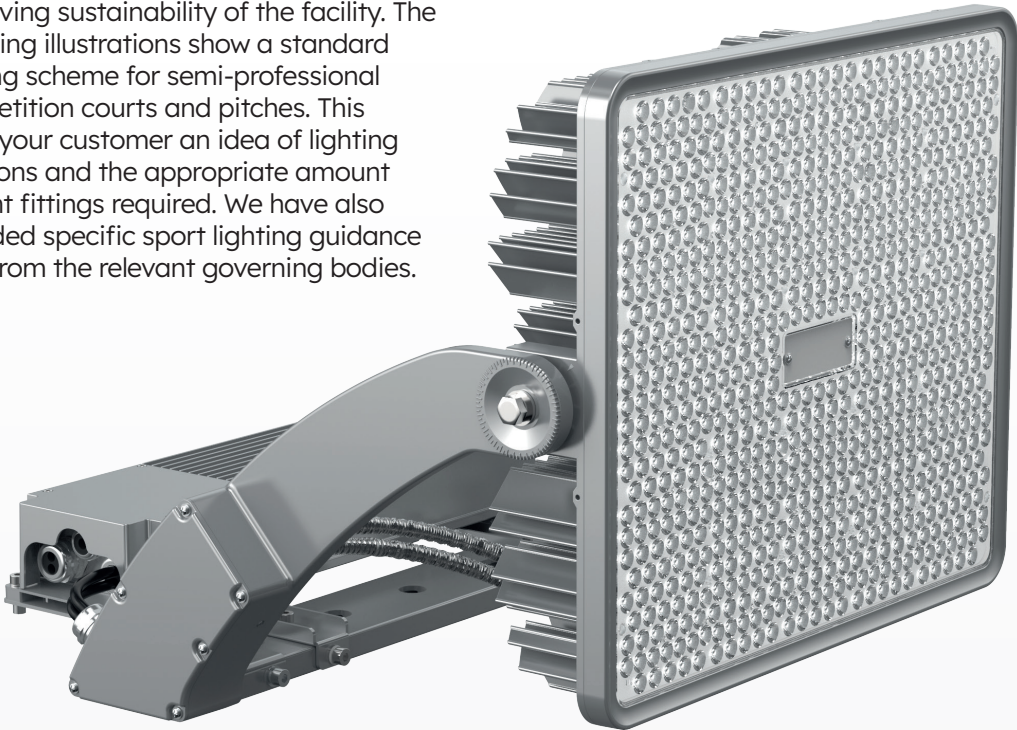
The Averon and Carsington Plus are our most popular floodlights available, with adjustable beam angles and light pollution visors included, meaning the light can be directed exactly where it is needed.



Call us to discuss our new and improved sports lighting ranges.

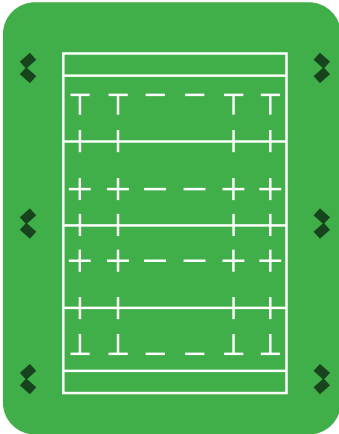
Your Sport Your Needs Our Solution

Floodlighting plays an important role whatever your sport. In some cases it is a key requirement for clubs within National League Systems. Our lighting can extend community use which allows for increased hours of play, this in turn assists in increasing revenues and improving sustainability of the facility. The following illustrations show a standard lighting scheme for semi-professional competition courts and pitches. This gives your customer an idea of lighting positions and the appropriate amount of light fittings required. We have also provided specific sport lighting guidance links from the relevant governing bodies.

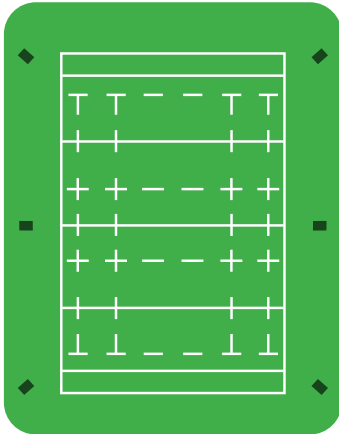


Rugby

Levels 2-5



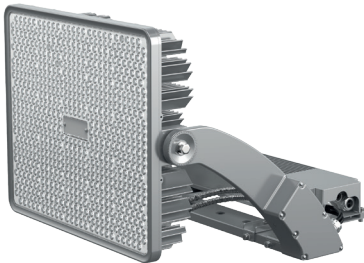
Levels 6-12



For detailed information
and lighting guidance
visit the England rugby
website: englandrugby.com or scan this QR code

LEVEL	2-5		6-12	
Product Types	x12 Averon Plus 1200W		x6 Averon Plus 1200W	
Mounting Height	15m		15m	
Total Wattage	15,124W		7,562W	
Result	Required	Achieved	Required	Achieved
Average Lux	200lx	214lx	100lx	105lx
Uniformity (Uo)	0.60	0.70	0.50	0.60

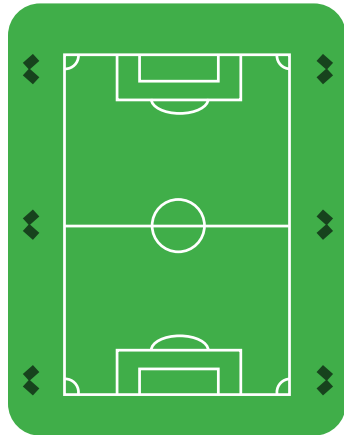
Designed to 0.85 MF (Maintenance factor)



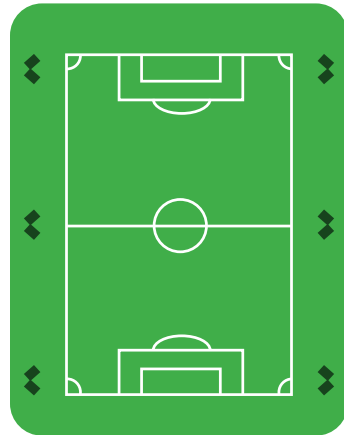


Football

Grade A



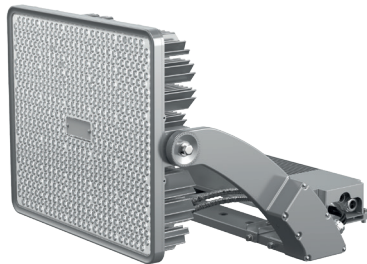
Grade B-G



For detailed information
and lighting guidance
visit the FA website:
thefa.com or scan this
QR code

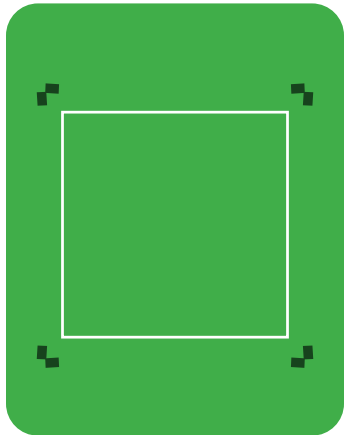
GRADE	A		B-G	
Product Types	x12 Averon Plus 1650W		x12 Averon Plus 1200W	
Mounting Height	15m		15m	
Total Wattage	19,725W		15,124W	
Result	Required	Achieved	Required	Achieved
Average Lux	250lx	253lx	180lx	192lx
Diversity (Ud)	0.25	0.39	0.25	0.42

Designed to 0.85 MF (Maintenance factor)

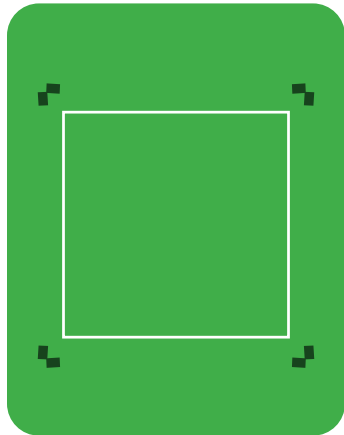


Bowls

Class 1



Class 3

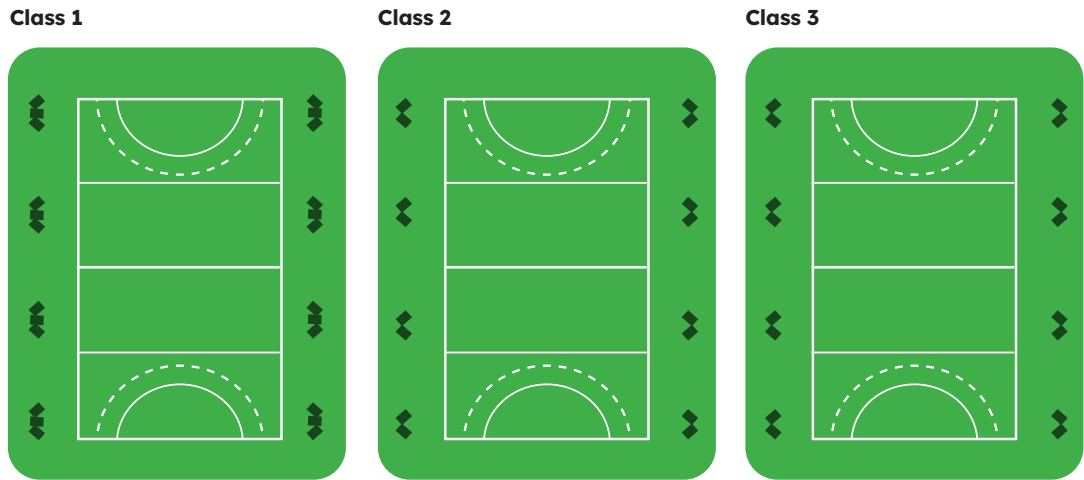


For detailed
information and
lighting guidance
visit the England
hockey website:
englandhockey.co.uk or
scan this QR code

CLASS	1 & 2		3	
Product Types	x8 Carsington Plus 960W		x8 Carsington Plus 600W	
Mounting Height	10m		10m	
Total Wattage	7,712W		4,832W	
Result	Required	Achieved	Required	Achieved
Average Lux	200lx	264lx	100lx	131lx
Uniformity (Uo)	0.70	0.76	0.70	0.78

Designed to 0.85 MF (Maintenance factor)

Hockey



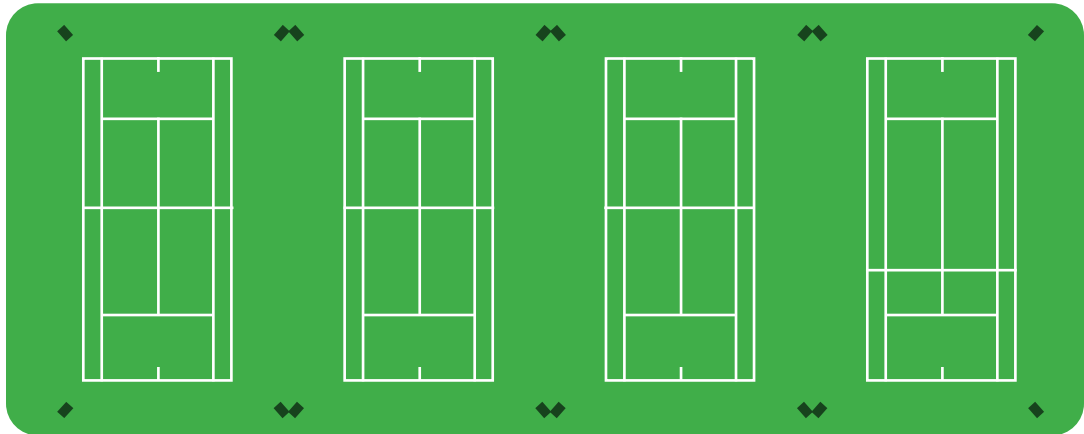
CLASS	1		2		3	
Product Types	x24 Carsington Plus 1650W		x16 Carsington Plus 960W		x12 Carsington Plus 960W	
Mounting Height	12m		12m		12m	
Total Wattage	39,768W		26,512W		15,424W	
Result	Required	Achieved	Required	Achieved	Required	Achieved
Average Lux	500lx	542lx	350lx	354lx	200lx	214lx
Uniformity (Uo)	0.70	0.71	0.70	0.71	0.60	0.72

Designed to 0.85 MF (Maintenance factor)



Tennis

LTA Requirement - Block of 4 (All on)

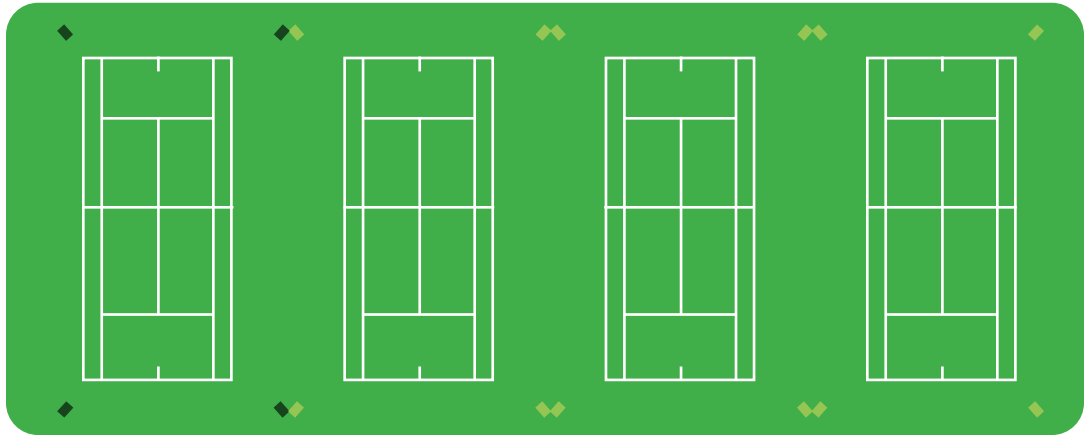


COURT	1		2		3		4	
Product Types	x16 Carsington Plus 1360W							
Mounting Height	10m							
Total Wattage	2,1936W							
Result	Required	Achieved	Required	Achieved	Required	Achieved	Required	Achieved
Average Lux (PPA)	400lx	609lx	400lx	747lx	400lx	747lx	400lx	609lx
Average Lux (TPA)	300lx	569lx	300lx	710lx	300lx	710lx	300lx	569lx
Uniformity (Uo) (PPA)	0.70	0.74	0.70	0.82	0.70	0.82	0.70	0.74
Uniformity (Uo) (TPA)	0.60	0.64	0.60	0.75	0.60	0.75	0.60	0.64

Designed to 0.85 MF (Maintenance factor)

Tennis

LTA Requirement - Block of 4 (individually switched)



COURT	1	
Product Types	x4 Carsington Plus 1360W	
Mounting Height	10m	
Total Wattage	5,484W	
Result	Required	Achieved
Average Lux (PPA)	400lx	418lx
Average Lux (TPA)	300lx	376lx
Uniformity (Uo) (PPA)	0.70	0.70
Uniformity (Uo) (TPA)	0.60	0.64



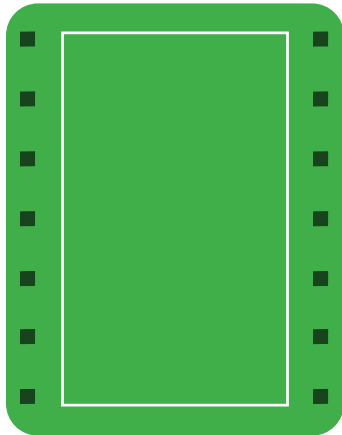
For detailed information
and lighting guidance visit
the LTA website: lta.org.uk
or scan this QR code

Designed to 0.85 MF (Maintenance factor)

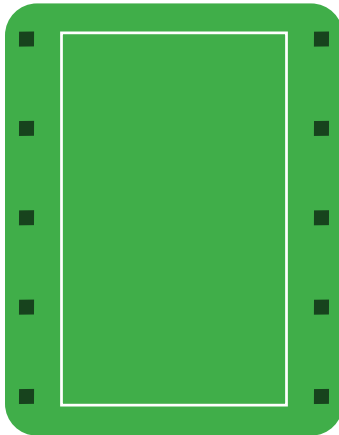


Swimming

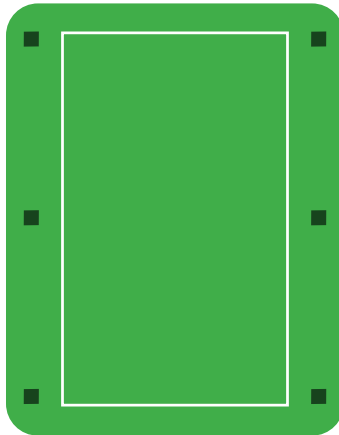
CIBSE - Class I



CIBSE - Class II



CIBSE - Class III

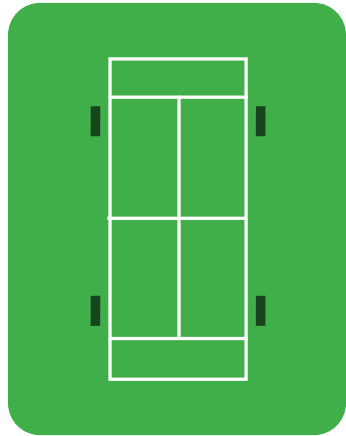


CLASS	II		II		III	
Product Types	x14 Wilton Sports Floodlight 280W		x10 Wilton Sports Floodlight 280W		x6 Wilton Sports Floodlight 280W	
Mounting Height	5m		5m		5m	
Total Wattage	3,948W		2,820W		1,692W	
Result	Required	Achieved	Required	Achieved	Required	Achieved
Average Lux	500lx	512lx	300lx	358lx	200lx	213lx
Uniformity (Uo)	0.70	0.81	0.70	0.83	0.50	0.85

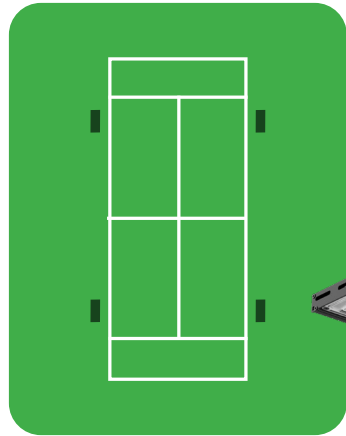
Designed to 0.85 MF (Maintenance factor)

Padel Court

LTA Requirement -
National & International



LTA Requirement -
Regional & Recreational



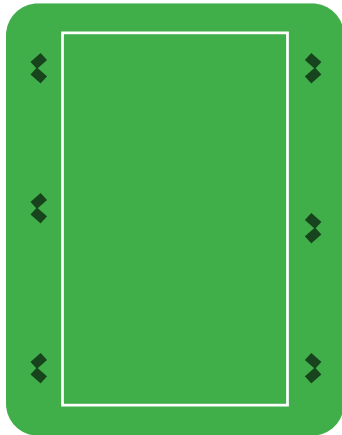
LEVEL	NATIONAL & INTERNATIONAL		REGIONAL & RECREATIONAL	
Product Types	x4 Wimbledon 320W		x4 Wimbledon 200W	
Mounting Height	6m		6m	
Total Wattage	1,280W		800W	
Result	Required	Achieved	Required	Achieved
Average Lux	500lx	581lx	300lx	349lx
Uniformity (Uo)	0.70	0.88	0.50	0.87

Designed to 0.85 MF (Maintenance factor)

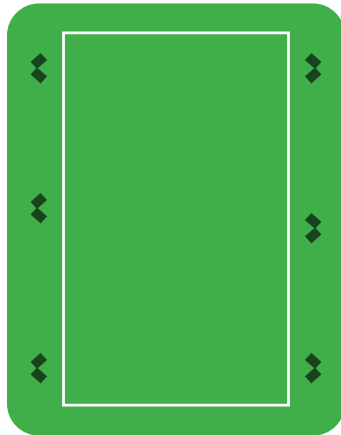


Horse Ménage

CIBSE - Class II - 40m x 20m



CIBSE - Class III - 40m x 20m



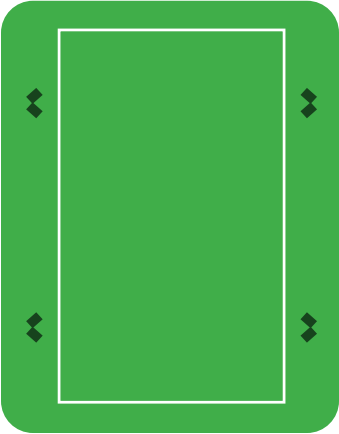
CLASS	II		III	
Product Types	x12 Wilton 200W		x12 Wilton 100W	
Mounting Height	8m		8m	
Total Wattage	2,424W		1184W	
Result	Required	Achieved	Required	Achieved
Average Lux	200lx	218lx	100lx	116lx
Uniformity (Uo)	0.50	0.67	0.50	0.69

Designed to 0.85 MF (Maintenance factor)



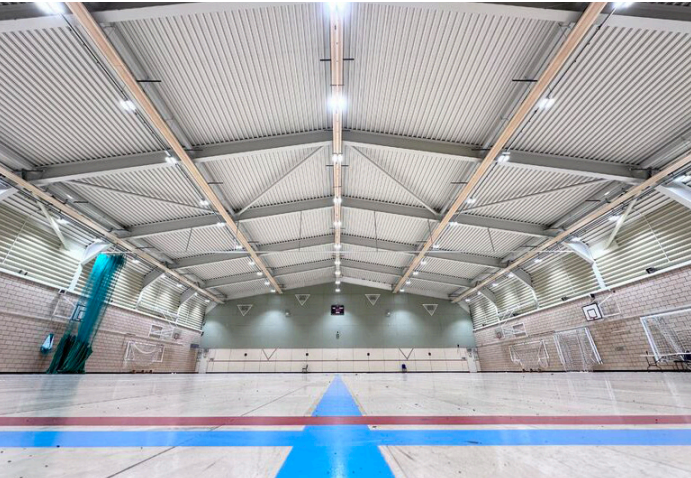
MUGA

Multi-Use Games Area - 38m x 18m



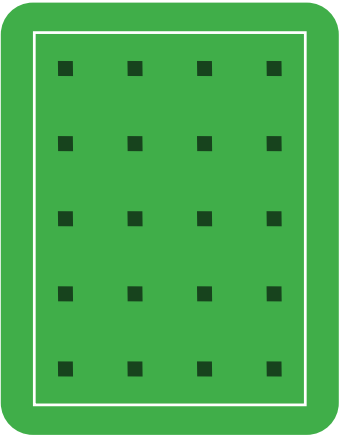
38M X 18M	MUGA	
Product Types	x8 Wilton 280W	
Mounting Height	8m	
Total Wattage	2,256W	
Result	Required	Achieved
Average Lux	200lx	206lx
Uniformity (Uo)	0.60	0.61

Designed to 0.85 MF (Maintenance factor)



Sports Hall

CIBSE - Class II



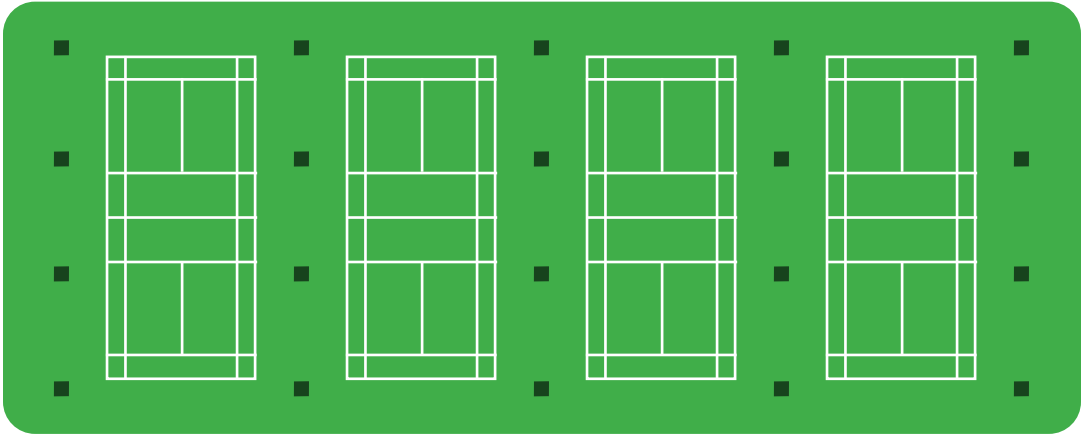
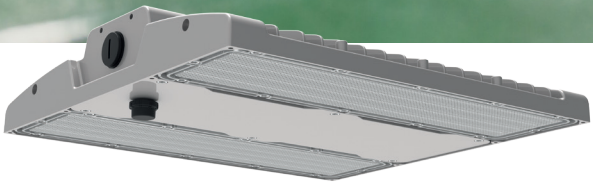
CIBSE	CLASS II	
Product Types	x20 Belmont 120W	
Mounting Height	7.5m	
Total Wattage	2,400W	
Result	Required	Achieved
Average Lux	500lx	519lx
Uniformity (Uo)	0.60	0.74

Designed to 0.85 MF (Maintenance factor)



Badminton

Sport England - Block of 4 (All on)

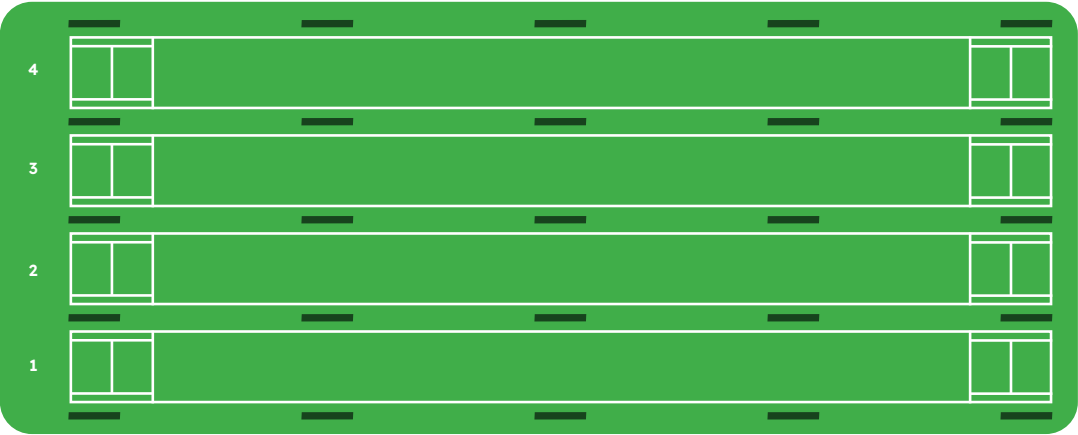


COURT	1		2		3		4	
Product Types	x20 Belmont 100W							
Mounting Height	6.5m							
Total Wattage	2,000W							
Result	Required	Achieved	Required	Achieved	Required	Achieved	Required	Achieved
Average Lux	500lx	540lx	500lx	524lx	500lx	524lx	500lx	527lx
Uniformity (Uo)	0.70	0.93	0.70	0.94	0.70	0.94	0.70	0.94

Designed to 0.85 MF (Maintenance factor)

Cricket Nets

Sport England - Block of 4 (All on)

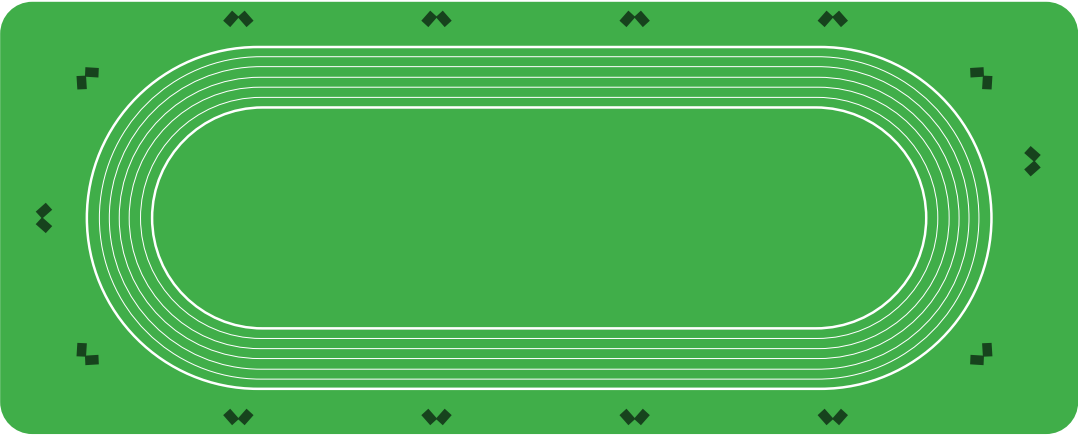


COURT	1		2		3		4	
Product Types	x25 Arnfield 120W							
Mounting Height	6m							
Total Wattage	3,000W							
Result	Required	Achieved	Required	Achieved	Required	Achieved	Required	Achieved
Average Lux	750lx	788lx	750lx	765lx	750lx	762lx	750lx	787lx
Uniformity (Uo)	0.80	0.83	0.80	0.82	0.80	0.82	0.80	0.83

Designed to 0.85 MF (Maintenance factor)

Track Lighting

CIBSE - Class II



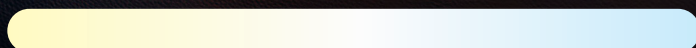
CIBSE	II	
Product Types	x28 Carsington Plus 960W	
Mounting Height	12m	
Total Wattage	27,412W	
Result	Required	Achieved
Average Lux	200lx	221lx
Uniformity (Uo)	0.50	0.75

Designed to 0.85 MF (Maintenance factor)





Lighting Colour Temperature Scale



2700K - 3000K
Warm & Inviting

Adds a yellow tint while enhancing reds and oranges

4000K
Efficient & Neutral

Enhances all colours equally

6000K
Vibrant & Attentive

Adds a bluish tint, flattens reds and enhances existing blues



CCT Selectable
Correlated Colour Temperature

Products that are CCT Selectable allow you to choose the colour temperature of the light using a switch on the fitting. This lets you adjust the light to suit different rooms or preferences without needing to change the fixture.

The perfect light for every space, every time.

We provide tailored lighting solutions for every sports, enhancing spaces with efficient, adaptable illumination that supports comfort, focus, and well-being for athletes and spectators.



Football

High-quality lighting ensures clear visibility for players, officials, and spectators during fast-paced matches.

Rugby

Powerful, uniform lighting supports dynamic gameplay and safe tackling, even in poor weather conditions.

Basket Ball

Crisp indoor lighting enhances reaction time and precision in this high-speed, high-skill sport.

Tennis

Glare-free lighting helps players track fast-moving balls and maintain focus through long rallies.

Equestrian

Even, natural-feel lighting promotes rider safety and improves comfort during training and events.

Padel Ball

Consistent illumination reduces shadows and improves depth perception in this fast, reactive game.

Hockey

Bright, uniform lighting allows players to track the ball and make accurate passes under pressure.

MUGA

(Multi-Use Games Area)
Versatile lighting supports a range of sports, ensuring safety and enjoyment across all activities.

Swimming pool

Specialist lighting enhances visibility in and around the water, improving safety and competition clarity.

Bowls

Balanced lighting ensures precision play and clear visibility of jack and bowls across the green.



Wilton

Asymmetric Sports Lighting

IP67

Ingress Protection

IK09

Impact Rating

60,000

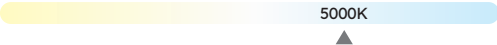
LED Lifespan L70

5 YR

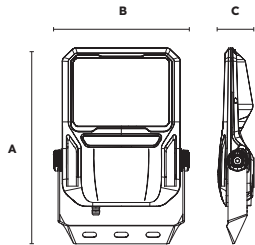
Product Warranty

- High quality LED chips and driver
- Asymmetric optics
- Suitable for swimming pools and coastal areas
- 304 stainless steel bracket powder-coated
- Easy installation
- High efficiency up to 140 lm/W
- IP67 and tough IK09 rated construction

Light Colour Temperature: 5000K



PART NO.	DESCRIPTION	A	B	C	WATTS	LUMENS	LM/W
430711	Wilton Floodlight 40° x 130° - Grey	325mm	264mm	55mm	100W	14,000	140
430712	Wilton Floodlight 40° x 130° - Grey	442mm	323mm	84mm	150W	21,000	140
430714	Wilton Floodlight 40° x 130° - Grey	---	---	---	200W	28,000	140
430715	Wilton Floodlight 40° x 130° - Grey	467mm	385mm	93mm	240W	33,600	140
430716	Wilton Floodlight 40° x 130° - Grey	467mm	385mm	93mm	280W	39,200	140



TECHNICAL INFORMATION

Input: 100-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5M Lead



Harlock

Wattage & 3CCT Selectable Sports Lighting

Wattage Selectable

3CCT

IP66

Ingress Protection

IK08

Impact Rating

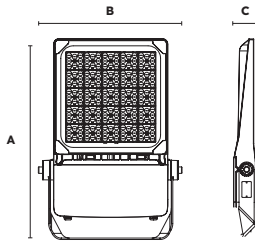
100,000

LED Lifespan L70

7 YR

Product Warranty

- 10kVA L/N-PE surge protection
- High efficiency 150 lm/W Asymmetric Optic, 170 lm/W Symmetric Optic
- IP66 and tough IK08 rated construction
- 3000K & 5000K available on request

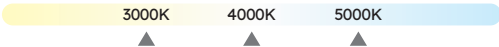


Light Colour Temperature: 4000K



PART NO.	DESCRIPTION	A	B	C	WATTS	LUMENS	LM/W
431256	Harlock Court Lighting Asymmetric - Grey	580mm	400mm	80mm	200W/300W/400W	30,000/45,000/60,000	150
431259	Harlock Court Lighting Asymmetric - Grey	780mm	500mm	80mm	400W/500W/600W	60,000/75,000/90,000	150
431262	Harlock Court Lighting Asymmetric - Grey	812mm	635mm	85mm	600W/700W/800W	90,000/105,000/120,000	150

Light Colour Temperature: 3CCT



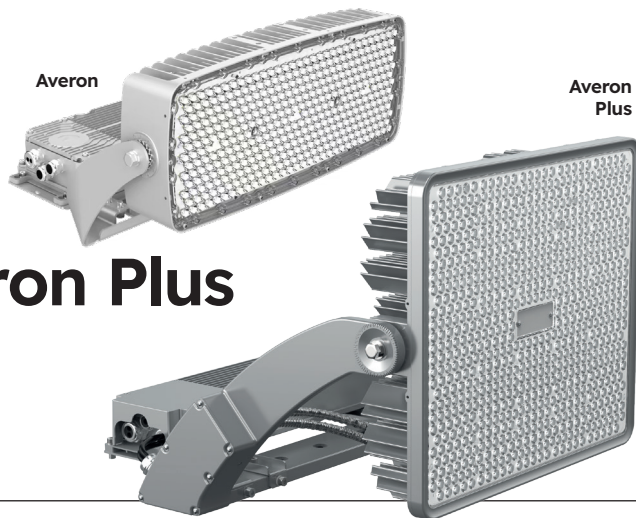
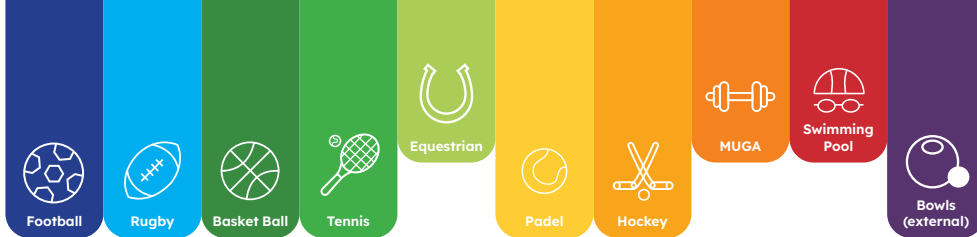
431264	Harlock Court Lighting Symmetric - Grey	580mm	400mm	80mm	200W/300W/400W	34,000/51,000/68,000	170
431265	Harlock Court Lighting Symmetric - Grey	780mm	500mm	80mm	400W/500W/600W	68,000/85,000/102,000	170
431266	Harlock Court Lighting Symmetric - Grey	812mm	635mm	85mm	600W/700W/800W	102,000/119,000/136,000	170

OPTION NO. DESCRIPTION

431267	Harlock Court Light 200W/300W/400W Anti Glare Shield
431268	Harlock Court Light 400W/500W/600W Anti Glare Shield
431269	Harlock Court Light 600W/700W/800W Anti Glare Shield

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5M Lead



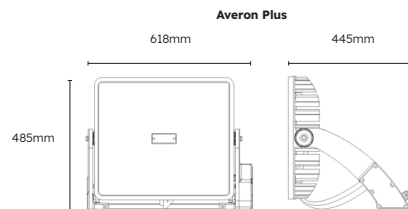
Averon & Averon Plus

High-Power Lightweight Sports Lighting



- 3000K & 5000K available on request
- 10KV surge protection
- High thermalconductive aluminium alloy
- IP66 ingress protection
- 1,000 hours salt spray tested

Light Colour Temperature: **4000K**



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
431203	Averon High-Power Sports Light	700W/800W/900W	94,500/108,000/121,500	135
431210	Averon Plus High-Power Sports Light	1200W	162,000	135
431211	Averon Plus High-Power Sports Light	1650W	222,750	135

OPTION NO.	DESCRIPTION	OPTION NO.	DESCRIPTION
431226	Anti-Glare Shield	-17	17° Optic
431225	Fixed Visor	-24	24° Optic
431209	Adjustable Visor	-NBP	Asymmetric Optic

TECHNICAL INFORMATION

Input: 220-415V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: Push Terminals



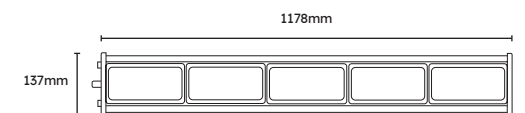
Arnfield

Linear Court Lighting



- Designed to meet LTA Standards
- Bespoke court lighting optics
- Supplied with 1.5M prewired H05RN-F cable
- IK10 rating
- Option of lumens maintenance

Light Colour Temperature: **5000K**



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
Custom	Arnfield Linear Court Light - Black	120W	19,800	165
Custom	Arnfield Linear Court Light - Black	150W	24,750	165

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: 1.5M Lead

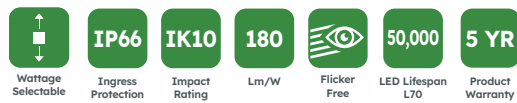


ROOT3
LIGHTING & ELECTRICAL

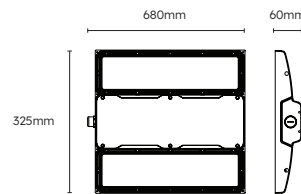
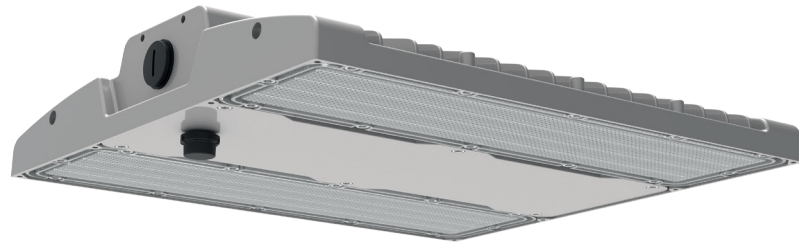


Belmont

Linear High Bay - Zhaga Plug & Play



- Fresnel optics for improved glare control
- Tough, impact resistant IK10 housing
- Plug & Play Options



Light Colour Temperature: 5000K



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
430242-80	Belmont Linear High Bay 25° x 80° Optic - Grey	180W	27,925	155
430242-85	Belmont Linear High Bay 85° Optic - Grey	180W	28,000	155
431191-85	Belmont Linear High Bay 85° Optic - Grey	100W/120W/150W	18,000/21,600/27,000	180

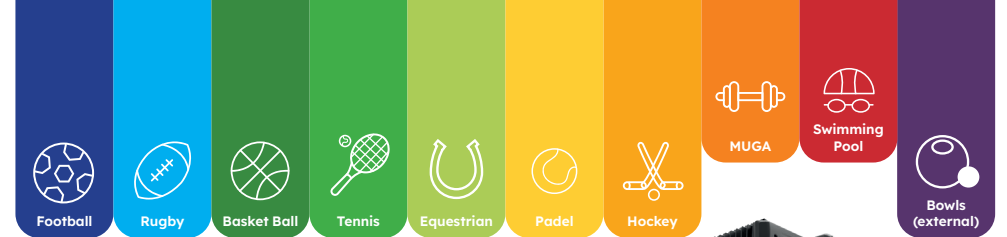
OPTION NO. DESCRIPTION

430964	Grafham Linear High Bay E-SEL3 Emergency
401754	Remote Control For PIR/MW Sensor
430568	Alwen Zhaga Plug & Play PIR Sensor
430569	Alwen Zhaga Plug & Play Microwave Sensor
430625	Crown Zhaga Plug & Play truSmart PIR Sensor
430243	Belmont 60° Rotatable Bracket (pair)

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: -30°C - +50°C* Class: 1 Connection Type: 1.5M Flying Lead

*Emergency: 0°C - 30°C *



ROOT3
LIGHTING & ELECTRICAL

Carsington Plus

Premium Sports Floodlight

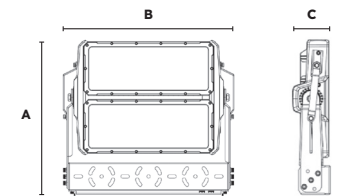


- Massive light output of up to 183,600lm
- Ultra-high system efficiency over 140 lm/W
- High quality Lumileds LED chip and Inventronics driver
- Control gear has IP68 Plug & Play connectors
- Professionally designed true asymmetric flat optics
- High quality Akzo Nobel anti-corrosion powder coating
- DALI Driver

Light Colour Temperature: 5000K



PART NO.	DESCRIPTION	A	B	C	WATTS	LUMENS	LM/W
430510-25-415	Carsington Plus - Black	469mm	689mm	224mm	600W	81,000	135
431401-25-415	Carsington Plus - Black	737mm	660mm	137mm	960W	129,600	135
431402-25-415	Carsington Plus - Black	737mm	660mm	137mm	1,360W	183,600	135
431403-25-415	Carsington Plus - Black	953mm	673mm	139mm	1,650W	222,750	135



OPTION NO. DESCRIPTION

430532	Front Spill Guard 600W & 1650W
430518	Back Spill Guard 960W & 1650W
430559	Back Spill Guard 600W & 1360W

TECHNICAL INFORMATION

Input: 220-415V AC Operating Temp: -30°C - +50°C* Class: 1 Connection Type: 1.5M Flying Lead



ROOT3
LIGHTING & ELECTRICAL

Wimbleball

Padel Court Lighting

Wattage Selectable

IP66
Ingress Protection

IK10
Impact Rating

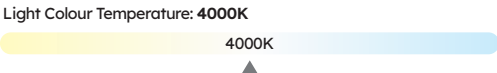
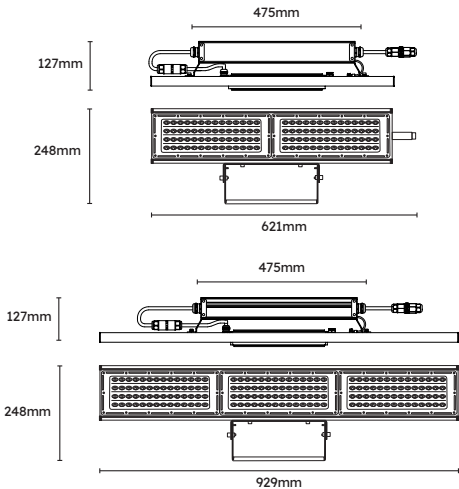
165
Lm/W

Visual Comfort

5 YR
Product Warranty



- C5 corrosion resistance
- Designed to meet LTA padel court standards
- Bespoke court lighting optics
- IK10 rating
- 120° polarised 38° optics



PART NO.	DESCRIPTION	WATTS	LUMENS	LM/W
431240	Wimbleball Padel Court Light - Black	200W	33,000	165
431241	Wimbleball Padel Court Light - Black	190W/250W/320W	31,350/41,250/52,800	165

OPTION NO.	DESCRIPTION
431244	Pole Mounting 60mm Spigot
430902	DALI Inline Converter

TECHNICAL INFORMATION
Input: 220-240V AC Operating Temp: -30°C - +50°C Class: 1 Connection Type: Inline Connector



ROOT3
LIGHTING & ELECTRICAL

Brayside

RGBW 4000K High-Power Lightweight Sports Lighting

IP66
Ingress Protection

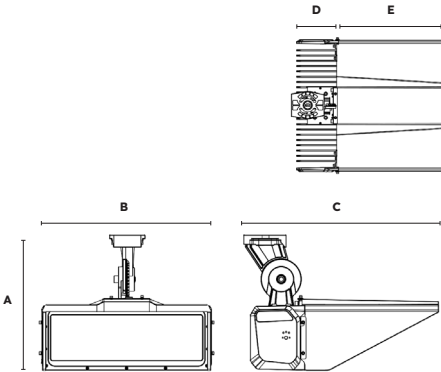
IK08
Impact Rating

100,000
LED Lifespan L70

7 YR
Product Warranty



- Suitable for outdoor professional sports and entertainment venues
- Beam angles: 15°/20°/25°/40°
- RGBW



PART NO.	DESCRIPTION	A	B	C	D	E	WATTS	LUMENS	LM/W
Custom	Brayside - RGBW Sports Light	484mm	618mm	623mm	136mm	490mm	800W	104,000	130
Custom	Brayside - RGBW Sports Light	---	---	---	---	---	1000W	130,000	130
Custom	Brayside - RGBW Sports Light	484mm	608mm	671.5mm	185mm	490mm	1200W	180,000	130

TECHNICAL INFORMATION
Input: 220-415V AC Operating Temp: -30°C - +50°C Class: 1 Driver: DMX



Is your Emergency Lighting up to Standard?

We offer a full and free survey on emergency lighting, ensuring your safety lighting fits your needs and meets the latest regulations.

All our emergency fittings now come with E-SEL3 selectable emergency fitted as standard - this gives the installer the option to select either a Self-Test or Manual emergency function. Offering flexibility, easier maintenance, and better compliance. Self-test saves time and labour by automatically checking for faults, Manual mode gives full control when needed. Reliable, cost efficient options for busy maintenance staff.



Emergency



Darwell

Emergency Bulkhead



Ingress Protection



Push-Fit Terminals



Battery Warranty



Product Warranty



Selectable Emergency



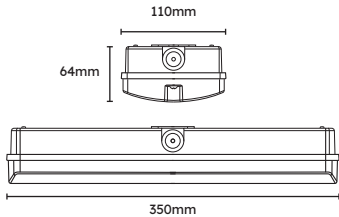
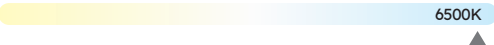
Long life Lithium Battery inside



Self-adhesive legend kit included

- Switchable Emergency - Self-Test / Manual
- Maintained / Non-maintained
- Multiple 20mm conduit entry points
- Loop in / Loop out terminals

Light Colour Temperature: 6500K



PART NO.	DESCRIPTION	WATTS	LUMENS
430950	Darwell Emergency E-SEL3 Emergency Bulkhead	4W	250

Emergency: 1.5W @ 160lm

EMERGENCY INFORMATION

Battery Type: LifePO4 Battery Capacity: 1500mAh Emergency Duration: Minimum 3 Hours Emergency Type: Maintained/Non-Maintained

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +30°C Class: 2 Connection Type: Push Terminal

ROOT3
LIGHTING & ELECTRICAL

E-SEL3

Draycote

Emergency Twin Spot

IP65

Ingress Protection

Push-Fit Terminals

5 YR

Battery Warranty

5 YR

Product Warranty

Selectable Emergency

LiFePO4

Long life Lithium Battery inside

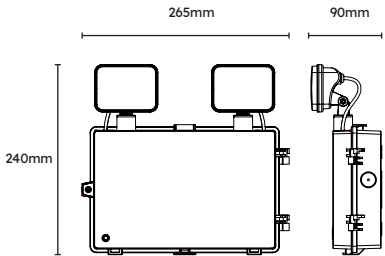


- Black/White polycarbonate body
- E-SEL3 Self-Test and Manual Switchable via dip-switch
- 360° Directional Heads
- Non-Maintained only
- 20mm conduit entry - Side, Base & Rear
- Loop in / Loop out terminals

Light Colour Temperature: 6500K



PART NO.	DESCRIPTION	WATTS	LUMENS
430951-BL	Draycote Twin Spot - Black	4W	600
430951-WH	Draycote Twin Spot - White	4W	600



EMERGENCY INFORMATION

Battery Type: LifePO4 Battery Capacity: 7200mAh Emergency Duration: 3 Hours Emergency Type: Non-maintained

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +30°C Class: 2 Connection Type: Push Terminal

ROOT3
LIGHTING & ELECTRICAL

E-SEL3

Redbrook

Emergency Exit Box

IP20

Ingress Protection

5 YR

Battery Warranty

Push-Fit Terminals

5 YR

Product Warranty

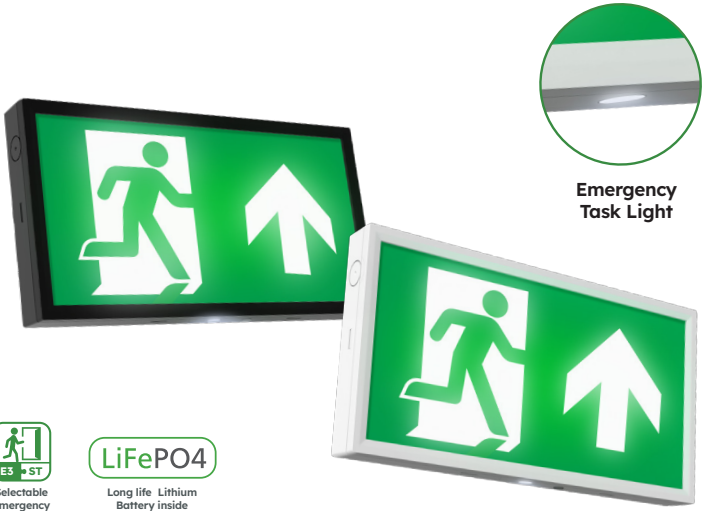
24M

Viewing Distance

Selectable Emergency

LiFePO4

Long life Lithium Battery inside

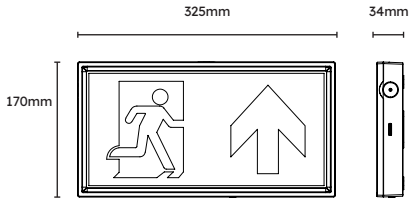


- 20mm conduit entry on sides, rear & top
- E-SEL3 Manual / Self Test selection inside
- Included in Box 4 legends, up, down, left & right (ISO7010 Legends as Standard)

Light Colour Temperature: 6500K



PART NO.	DESCRIPTION	WATTS	LUMENS
430952-BL	Redbrook Emergency Exit Box - Black	3.5W	25
430952-WH	Redbrook Emergency Exit Box - White	3.5W	25



Emergency: 90lm

EMERGENCY INFORMATION

Battery Type: LifePO4 Battery Capacity: 1600mAh Emergency Duration: 3 Hours Emergency Type: Maintained

TECHNICAL INFORMATION

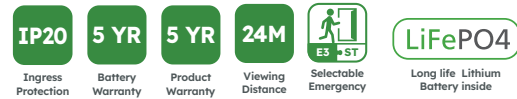
Input: 220-240V AC Operating Temp: 0°C - +30°C Class: 2 Connection Type: Push Terminal

ROOT3
LIGHTING & ELECTRICAL

E-SEL3

Fontburn

5 in 1 Emergency Exit Sign



- White/Black polycarbonate body with polycarbonate legends
- Maintained
- E-SEL3 Manual / Self Test selection inside
- Included in Box: 3 Legends for changing (UP/LEFT and RIGHT)

Light Colour Temperature: **6500K**



PART NO.	DESCRIPTION	WATTS	LUMENS
430953-BL	Fontburn Emergency Exit Sign - Black	2.5W	45
430953-WH	Fontburn Emergency Exit Sign - White	2.5W	45

Emergency: 18lm

OPTION NO. DESCRIPTION

430944	Down Legend Set
430956	Emergency Sign Track Adaptor



EMERGENCY INFORMATION

Battery Type: LiFePO4 Battery Capacity: 1500mAh Emergency Duration: 3 Hours Emergency Type: Maintained/Non-maintained

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +30°C Class: 2 Connection Type: Push Terminal

ROOT3
LIGHTING & ELECTRICAL

E-SEL3

Woodhead

Emergency Downlight



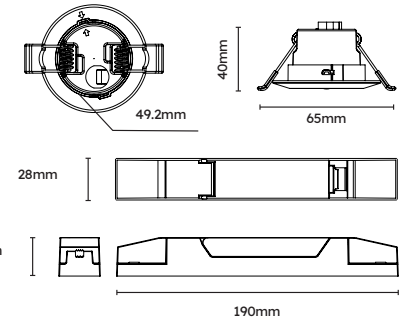
- Black and White Bezel included
- LifePO4 battery
- E-SEL3 Manual / Self-Test selection inside
- Non-Maintained
- Recessed installation

Light Colour Temperature: **6500K**



PART NO.	DESCRIPTION	WATTS	LUMENS	
430958	Woodhead Emergency Downlight Open Area	1W	100	50mm
430959	Woodhead Emergency Downlight Corridor	1W	100	50mm

Emergency: 90lm

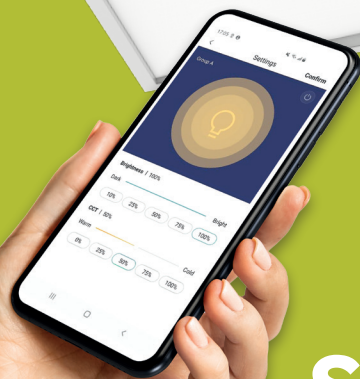
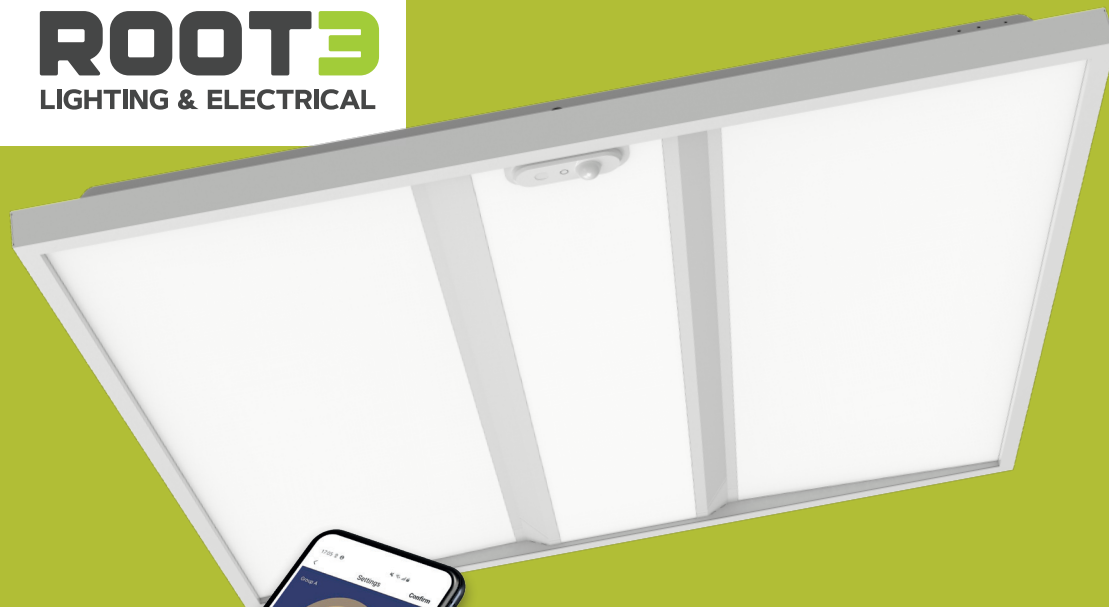


EMERGENCY INFORMATION

Battery Type: LiFePO4 Battery Capacity: 1600mAh Emergency Duration: 3 Hours Emergency Type: Non-Maintained

TECHNICAL INFORMATION

Input: 220-240V AC Operating Temp: 0°C - +30°C Class: 2 Connection Type: Flying Lead



truSmart
intelligent controls

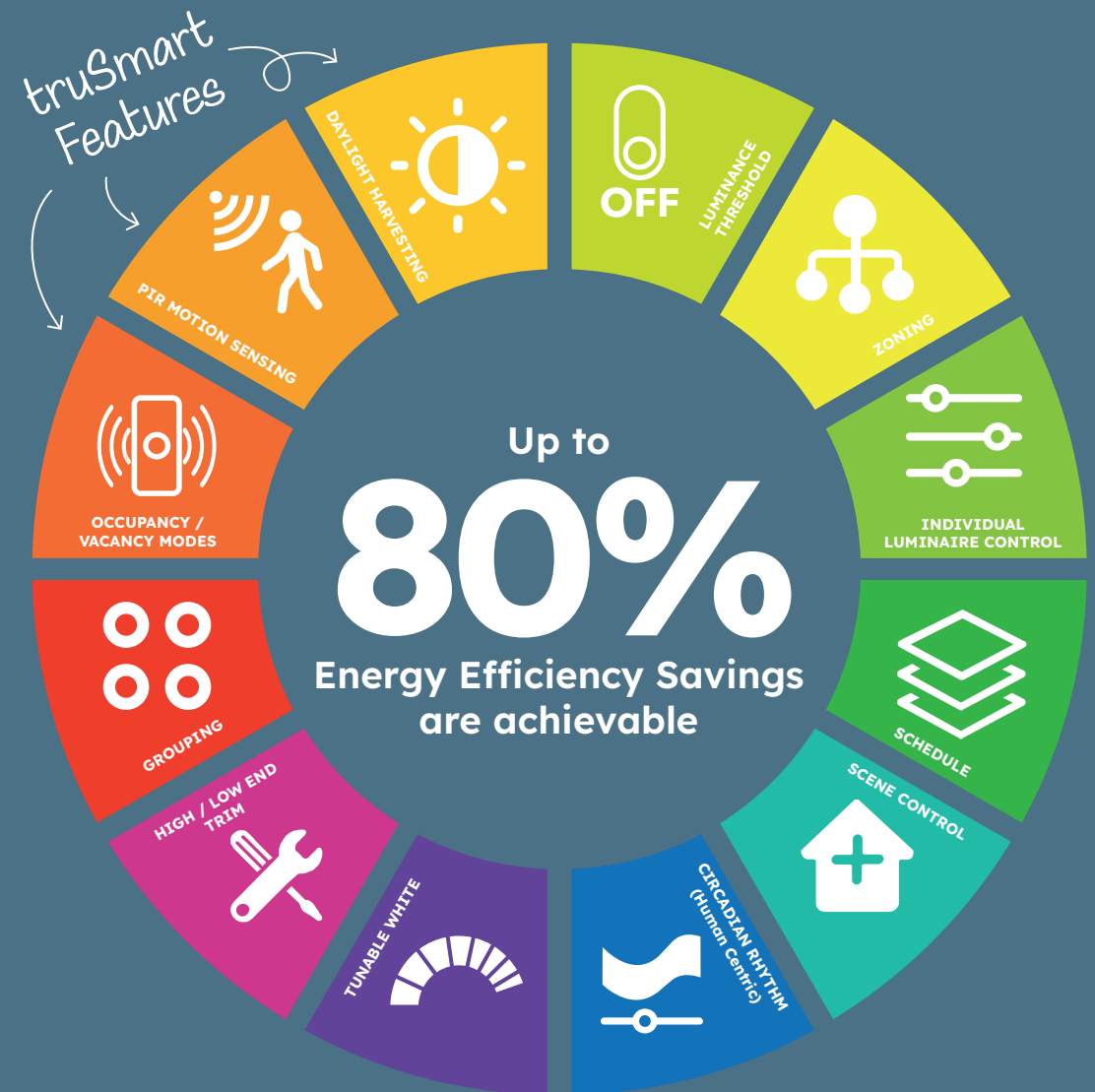
Smart Lighting

truSmart Intelligent Lighting is the smart choice for any sporting environment, offering total control over lighting to create the perfect setting for performance, safety, and experience. Whether it's adjusting brightness, setting the ideal colour temperature, or programming lighting scenes for different events or times of day, truSmart gives you complete flexibility—while ensuring energy is used efficiently.

Designed with simplicity in mind, truSmart systems can be managed effortlessly via a mobile app or the truSmart Controller, making them easy for venue staff to operate without technical expertise.

Smart occupancy sensors, such as PIR detectors, are a valuable addition in high-traffic areas like locker rooms, corridors, and concourses. These sensors automatically switch off lighting when areas are unoccupied, helping reduce energy costs and supporting your venue's sustainability goals.

Look for the truSmart logo on our products—it means you're choosing intelligent technology that adapts to your needs, supports environmental responsibility, and helps create a high-performance environment for athletes, staff, and spectators alike.



What features do I need?

truSmart does so much – sometimes it can be overwhelming. That's why we offer free consultations with our lighting experts, to understand exactly what you are looking to achieve and to build a tailored solution for you.

ROOT3

LIGHTING & ELECTRICAL

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sales@rt3group.co.uk

Opening Times

Mon - Fri : 8:30am - 5:00pm
Sat - Sun - Closed