

Briteline™ LED Raptor *Range*



PRECISION | PERFORMANCE | PERFECTION

SYLVANIA

DESIGNED TO PERFORM

Discover the new Sylvania Briteline™ Raptor LED Floodlight Range designed to deliver unbeatable precision, performance, power and flexibility in many sports lighting situations.

THE NEW BENCHMARK IN LED SPORTS AND AREA LIGHTING



1200W 4 Module System



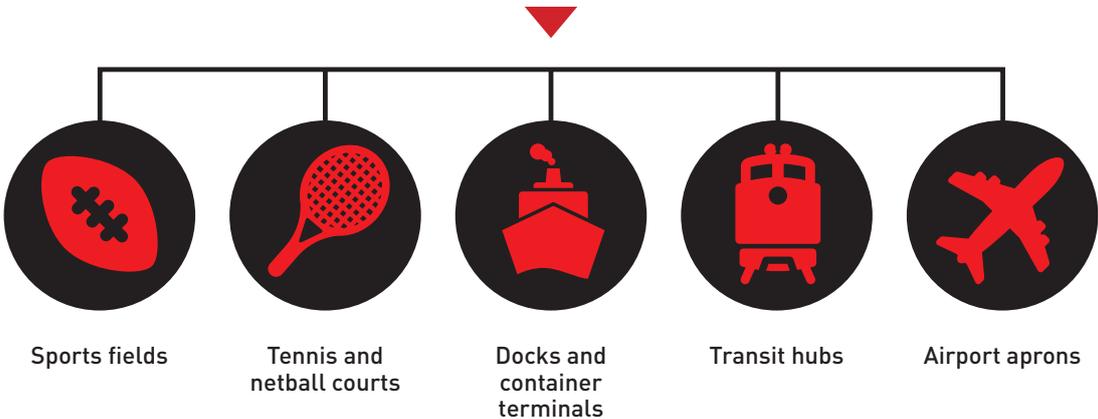
600W 2 Module System



300W Single Module System



200W Single Module System



WHAT MAKES RAPTOR DIFFERENT

EFFICIENCY IN ITS DNA

The key to Raptor's performance is its world-first, Australian-designed reflector system housing the latest LED chips. This state-of-the-art technology intensifies performance and minimises losses to make Raptor one of the most energy efficient high powered LED floodlights on the market. The Sylvania Briteline™ LED Raptor range produces a high lumen output with less power, providing up to a 40% energy saving compared to traditional HID floodlights.

RAZOR-SHARP PRECISION

Cutting-edge and unique, Raptor's optical reflector system delivers dedicated asymmetric distribution with exceptional performance and precision. This new optical technology distributes light exactly where it's needed, providing better control, lower glare and less spill light to increase efficiency and reduce the impact on neighbouring residents.

MAINTAIN EXISTING INFRASTRUCTURE

Raptor's distinctive luminaire design minimises weight and reduces the loading details for the pole design. As a result new installations can be planned at optimal cost and can be used as retrofits for most existing infrastructure.

EASE OF INSTALLATION

A flexible trunnion mounting system allows for over and under slinging on the pole cross arm. This unique design allows the installer to correctly aim the floodlight to avoid obstructions and maximise light delivery.

MAINTENANCE FREE*

Built tough for Australian conditions, Raptor offers increased design life with lower ongoing maintenance costs and requirements than HID and other LED floodlights. It uses the latest LEDs with very low rates of lumen depreciation, and robust remote driver assemblies.

*No lamp change, no planned maintenance except for standard maintenance checks for safety at site and cleaning cycles.

LIGHTING CONTROL READY

The ability to control sports lighting applications with dimming, switching and scene control for different sport field users is increasingly requested. This is being driven by the use of LED in Sports lighting such as the Raptor range and Councils desire to be able to remotely control and bill for energy used by the public.

RAPIX Lighting Control systems in conjunction with Raptor provides more control, with remote internet based control and monitoring, scheduling, user auditing and billing capabilities. Even multi-field, multisite control and monitoring is possible using the RAPIX Lighting control solution as the foundation.

Designed in Australia for Australian regulations and operating conditions.

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Briteline™ LED
Raptor

PRECISI

HIGH ENERGY EFFICIENCY

High lumen output with minimal power use for energy cost savings and improved sustainability. LER →100 lm/W.

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PRECISION OPTICAL TECHNOLOGY

Designed in Australia by the Gerard Lighting Engineering Team, the state-of-the-art optical reflector system intensifies performance while minimising light loss, glare and spill light. Options for A1 Extra Narrow, A2 Narrow and A3 Medium Asymmetric Optics.



FUTURE READY

Raptor is designed and ready to accept Diginet RAPIX Lighting Control System with the new sports lighting software interface.



RAPIX
READY

ON FLOODLIGHTING

SLEEKER BUT STRONGER

Raptor's lean size and weight makes it perfect for retrofits. Lower windage (0.17 m² at 13° tilt) and greater stability minimises pole loading and infrastructure costs.

UNIQUE MOUNTING DESIGN

Allows for over and under-slinging on the pole cross-arm and rotation around the fitting to assist precision aiming.

BUILT TOUGH TO SURVIVE

Diecast aluminium frame with 316 stainless steel fixings, and stainless steel conduit to protect exposed wiring from birds and nature's elements. IP66 and IK06 Protection.

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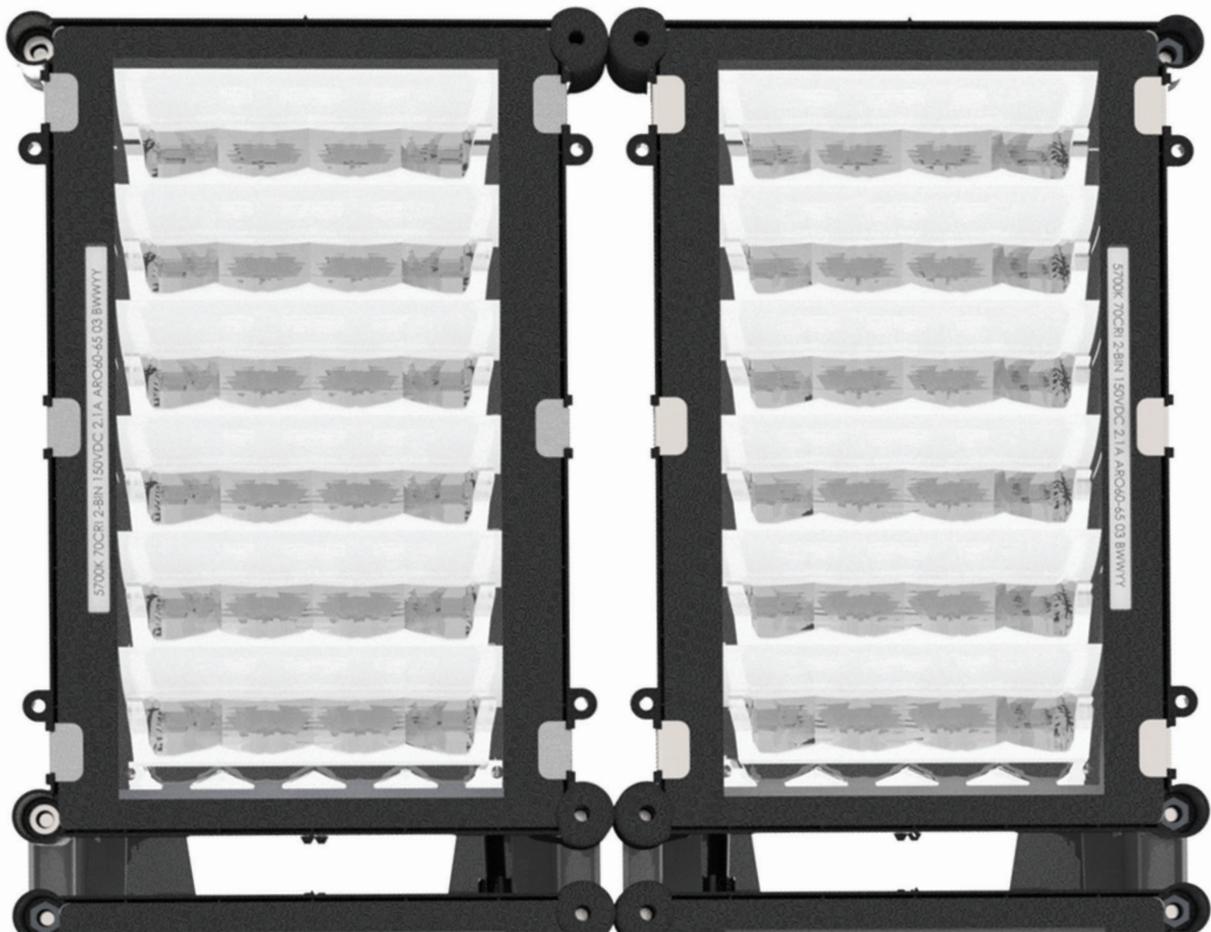
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OPTICAL DESIGN

Sylvania Briteline™ LED Raptor's distinctive optical reflector system delivers maximum performance while controlling spill light and minimising glare.

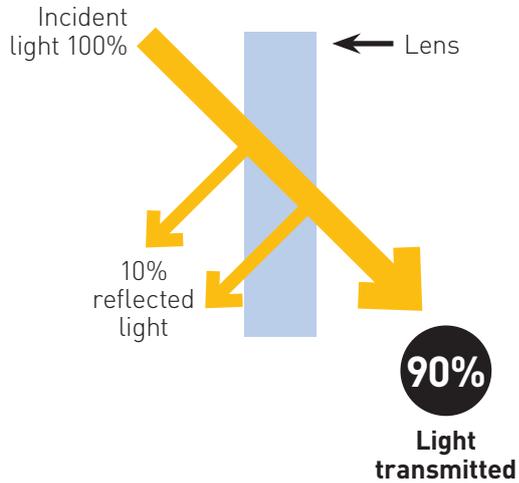
- Available in asymmetrical distributions, allowing for horizontal/near horizontal mounting:
 - Strong peak intensity (I_{max}) ~1700 cd/kLm, (5700K). (A2 optic)
 - I_{max} at 59 deg with flat glass. (A2 optic)
- Distributions include:
 - 1200/600 - A1 - Extra Narrow, A2 - Narrow, A3 - Medium.
 - 200/300 - A2 - Narrow and T2 - Side Throw for area lighting.
- Uses special optical-grade glass that complies with IEC60598 for safety and has a high transmission factor for increased performance.
- Precision moulded optical cells with vacuum metalized reflective coating

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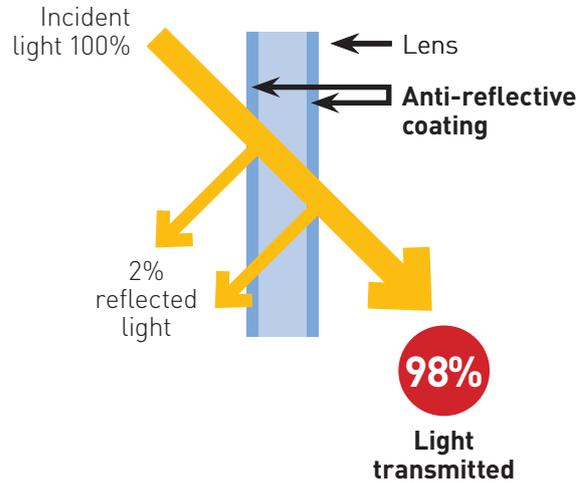


HIGH TRANSMISSION GLASS FOR GREATER PERFORMANCE

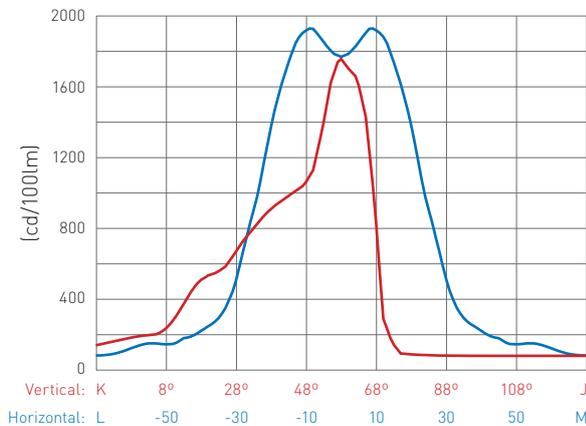
STANDARD GLASS



RAPTOR GLASS

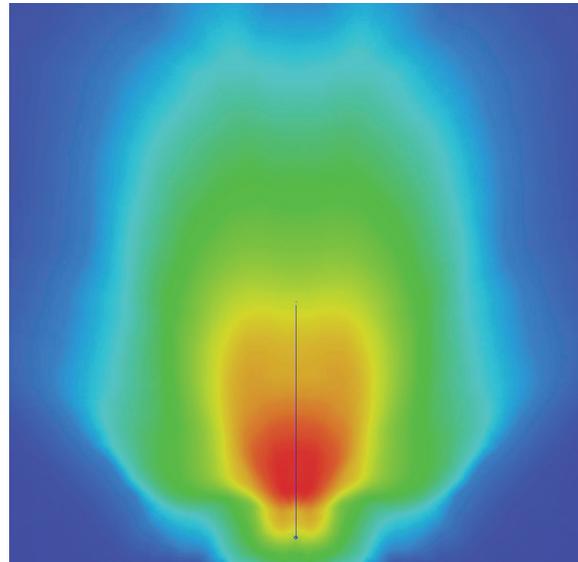


CARTESIAN INTENSITY (provisional)



$\frac{1}{2}l_{max} = -19^\circ, 11^\circ / -25^\circ, 25^\circ$
 $l_{max} = 1760\text{cd}/1000\text{lm}, 58^\circ$
 Cct 5700K

ISOLUX DISTRIBUTION



AS4282 – Level 1 control possible over a wide range of tilts.

BUILT TO DELIVER POWERFUL RESULTS

Sylvania Briteline™ LED Raptor is manufactured from precision die cast aluminium frames housing four Individual IP66 modules and two individual IP66 LED modules plus two drivers with external fins for thermal management.



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GLASS VISOR

3.2mm toughened optical glass with high transmittance, low internal reflectance, better spill light control and environmental and UV durability.

FRAME

Pressure die cast marine grade LM6 aluminium frame, in grey RAL 7035 powder coating.

HEAT SINKS

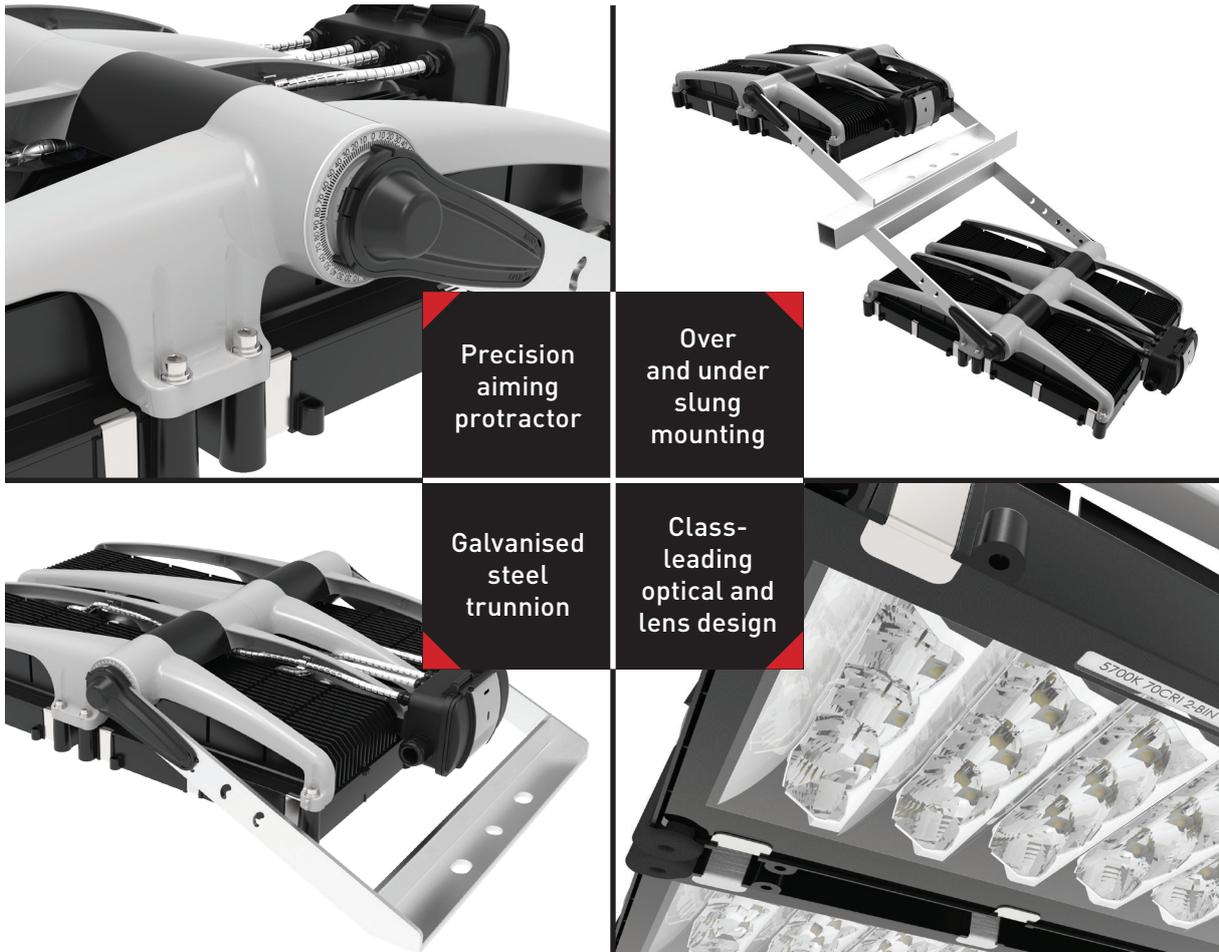
Four extruded anodised aluminium heat sinks housing the optical units for better thermal performance and corrosion resistance.

FASTENERS

316 stainless steel clips, screws, washers and breathers for longevity.

TRUNNION ARM

Galvanised steel trunnion arm allowing for over and under slinging on cross arms, making the installation and commissioning process easier.



Precision aiming protractor

Over and under slung mounting

Galvanised steel trunnion

Class-leading optical and lens design

PRECISION AIMING PROTRACTOR

Located on both sides of trunnion. A special aiming sight can also be fitted for accurate orientation.

IP66 WEATHERPROOF

Wiring junction box located on rear of luminaire with 25mm glands for ease of installation.

BIRD PROOF

All exposed wiring housed in stainless steel conduit for protection against birds and nature's elements. Supplied with bird spikes.

REMOTE CONTROL GEAR 1200W

- 240V and 415V.
- 0-10V or DALI system dimming ready.
- Multiple gear tray arrangements available to suit various applications.

INTEGRAL CONTROL GEAR 600W

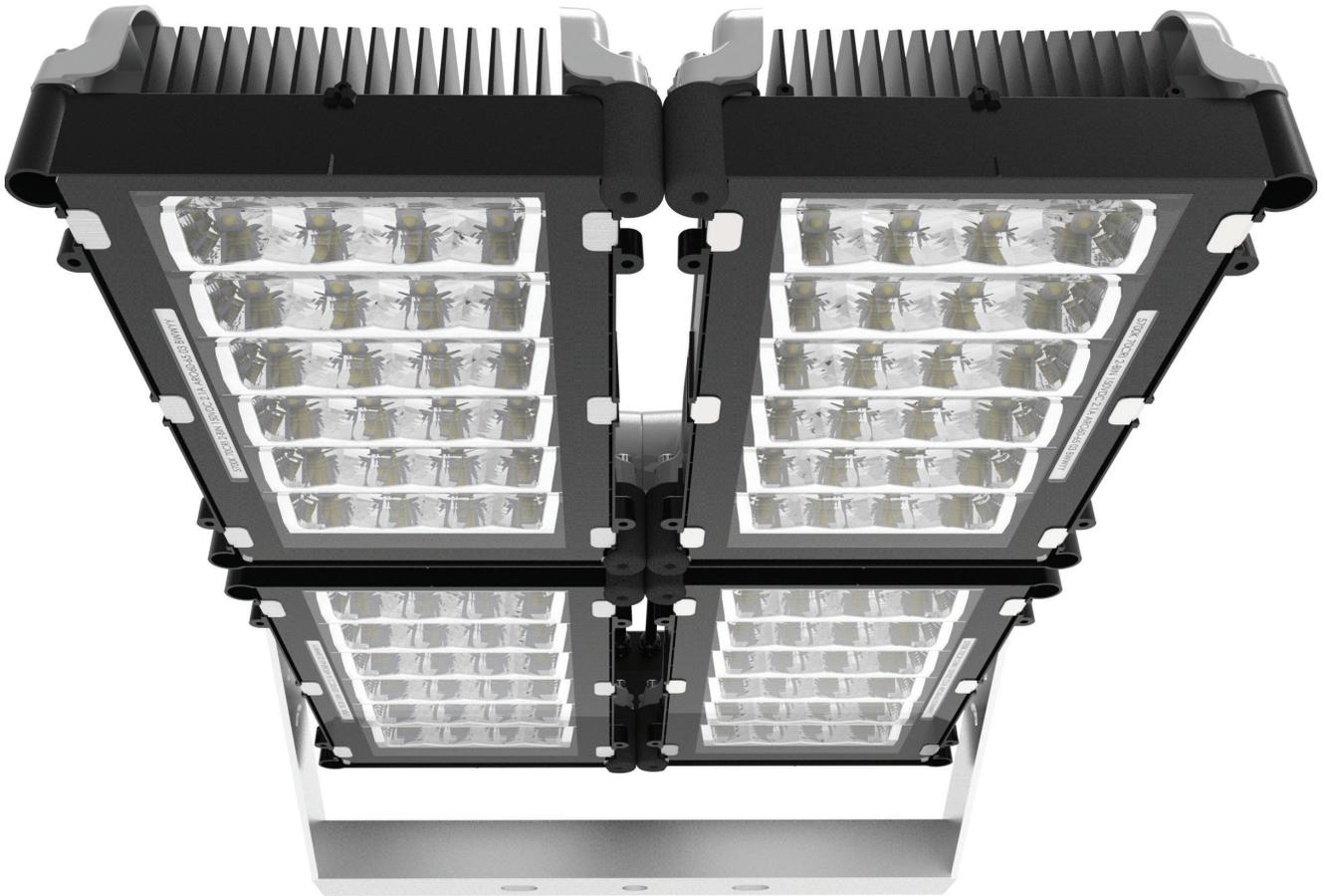
- 600W system has integral control gear 240V or 415V with 0-10V system dimming ready.

INTEGRAL CONTROL GEAR 200W/300W

- 200W and 300W systems have integral control gear 240V with 0-10V system dimming ready.

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1200



TECHNICAL DETAILS

1200W FLOODLIGHTING

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TECHNICAL DETAILS

1200W FLOODLIGHTING

COMPLIANCE DETAILS

- Ta 40°C
- AS/NZSCISPR15, AS/NZS 60598
- IP66 and IK06

SPECIFICATION DETAILS

Sylvania Briteline Raptor LED Floodlight with asymmetrical narrow beam distribution and LER greater than 100lm/W. Windage = 0.17m² and weight of 28.6kg.

INSTALLATION ORIENTATION

Designed for installation for interior and exterior environments in recommended orientations.

PRODUCT SPECIFICATIONS

- Input power – 1270W 4 module system
- Luminaire lumens – 136,000 (5700K CRI 70)
- Luminaire lumens – 113,000 (4000K CRI 80)
- LER>100 lm/W
- 5700 K Ra>70 / Ra>80
- 4000 K Ra>70 / Ra>80
- Rated Average Lamp Life of 50,000hrs at L90* B10
- Windage of 0.17m² (at tilt of 13°)
- Windage including Apron Hood = 0.25m²
- Die cast LM6 aluminium frame in grey
- Galvanised trunnion arm allowing for over and under slinging on cross arms
- IP66 wiring junction box with 25mm gland
- Remote 415V and 240V driver system, 0-10V and DALI
- Lighting Control ready
- 5 Year Warranty†
- Asymmetrical distribution
- Precision optical reflector system
- Anodised aluminium Heat Sink modules
- Precision aiming protractor
- Comes with bird spikes

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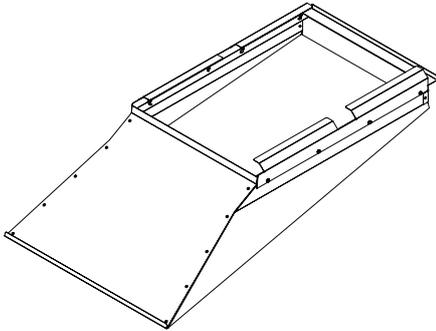
LUMINAIRE TECHNICAL DETAILS

1200W FLOODLIGHTING

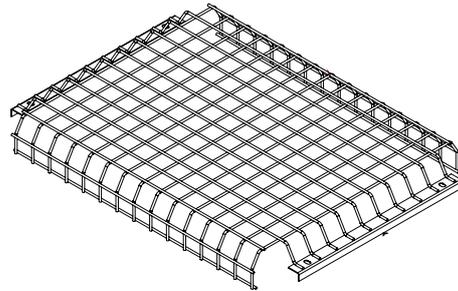
Product Code	Description	Colour Temp	CRI	Lumens	Dimensions (L x W x H)	Weight
SR4H757A1L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	5700K	70	136,000	741 x 594 x 171mm	28.6 kg
SR4H757A2L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	5700K	70	136,000	741 x 594 x 171mm	28.6 kg
SR4H757A3L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	5700K	70	136,000	741 x 594 x 171mm	28.6 kg
SR4H857A1L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	5700K	80	113,000	741 x 594 x 171mm	28.6 kg
SR4H857A2L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	5700K	80	113,000	741 x 594 x 171mm	28.6 kg
SR4H857A3L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	5700K	80	113,000	741 x 594 x 171mm	28.6 kg
SR4H740A1L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	4000K	70	136,000	741 x 594 x 171mm	28.6 kg
SR4H740A2L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	4000K	70	136,000	741 x 594 x 171mm	28.6 kg
SR4H740A3L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	4000K	70	136,000	741 x 594 x 171mm	28.6kg
SR4H840A1L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	4000K	80	113,000	741 x 594 x 171mm	28.6kg
SR4H840A2L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	4000K	80	113,000	741 x 594 x 171mm	28.6kg
SR4H840A3L	BRITELINE RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	4000K	80	113,000	741 x 594 x 171mm	28.6kg

ACCESSORY TECHNICAL DETAILS

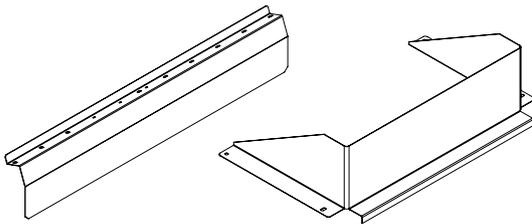
1200W FLOODLIGHTING



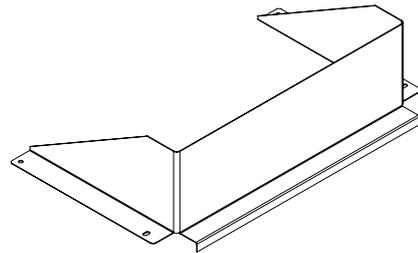
RAPTOR HOOD ACCESSORY



WIRE GUARD (QTY 2)



SIDE AND BACK SHIELD KIT



BACK SHIELD

Product Code	Accessory Description	Dimensions (L x W x H)	Weight
SR4HAPRONHOOD	RAPTOR HOOD ACCESSORY	1195 x 670 x 310mm	5.0kg
SR4HWIREGUARD	WIRE GUARD (QTY 2)	515 x 365 x 56mm	1kg
SR4HSIDESHIELD	SIDE AND BACK SHIELD KIT	800 x 315 x 155mm	2.4kg
SR4HBACKSHIELD	BACK SHIELD	515 x 315 x 151mm	1.15kg

CONTROL GEAR TECHNICAL DETAILS

1200W FLOODLIGHTING

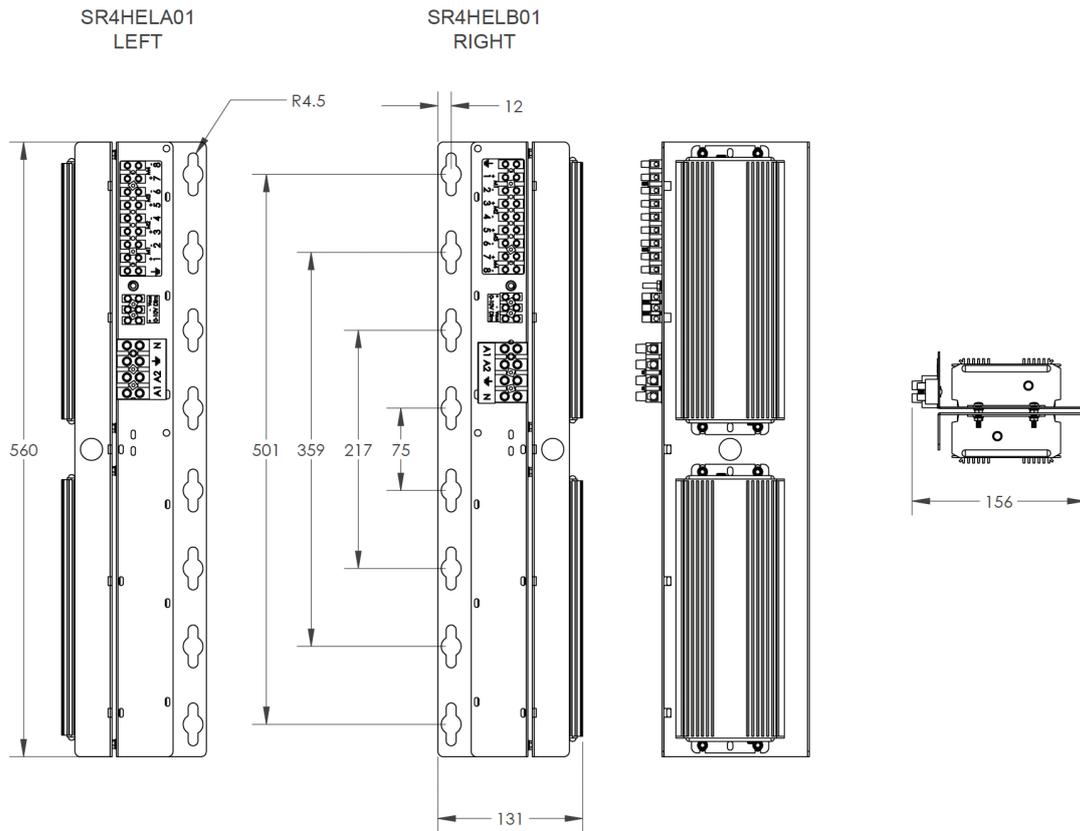
1200

Product Code	Description	Control	Voltage	Dimensions (L x W x H)
SR4HELA01T	Tray Long Left, SPD 10kV	0-10V DIM	240V	560 x 131 x 156mm
SR4HALA01T	Tray Long Left, SPD 10kV	DALI DIM	240V	560 x 131 x 156mm
SR4HFLA01T	Tray Long Left, SPD 10kV	0-10V DIM	415V	560 x 131 x 156mm
SR4HGLA01T	Tray Long Left, SPD 10kV	DALI DIM, No Feedback	415V	560 x 131 x 156mm
SR4HELB01T	Tray Long Right, SPD 10kV	0-10V DIM	240V	560 x 131 x 156mm
SR4HALB01T	Tray Long Right, SPD 10kV	DALI DIM	240V	560 x 131 x 156mm
SR4HFLB01T	Tray Long Right, SPD 10kV	0-10V DIM	415V	560 x 131 x 156mm
SR4HGLB01T	Tray Long Right, SPD 10kV	DALI DIM, No Feedback	415V	560 x 131 x 156mm
SR4HESA01T	Tray Short, SPD 10kV	0-10V DIM	240V	334 x 152 x 180mm
SR4HASA01T	Tray Short, SPD 10kV	DALI DIM	240V	334 x 152 x 180mm
SR4HESA01T	Tray Short, SPD 10kV	0-10V DIM	415V	334 x 152 x 180mm
SR4HGSA01T	Tray Short, SPD 10kV	DALI DIM, No Feedback	415V	334 x 152 x 180mm

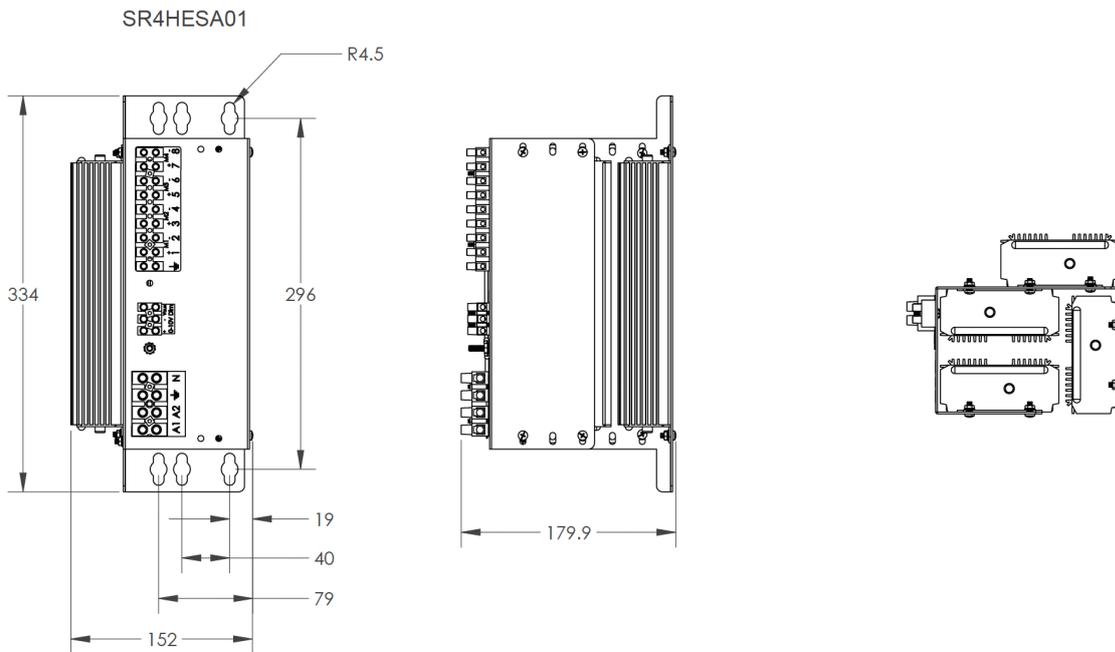
14

Product Code	Accessory Description	Dimensions (L x W x H)	Weight
SR4HWPBOX	Weatherproof box accessory for use with: SR4HESA01T, SR4HASA01T, SR4HESA01T, SR4HGSA01T only	200 x 400 x 600	13.5kg

LA/LB Geartray Series Dimensions

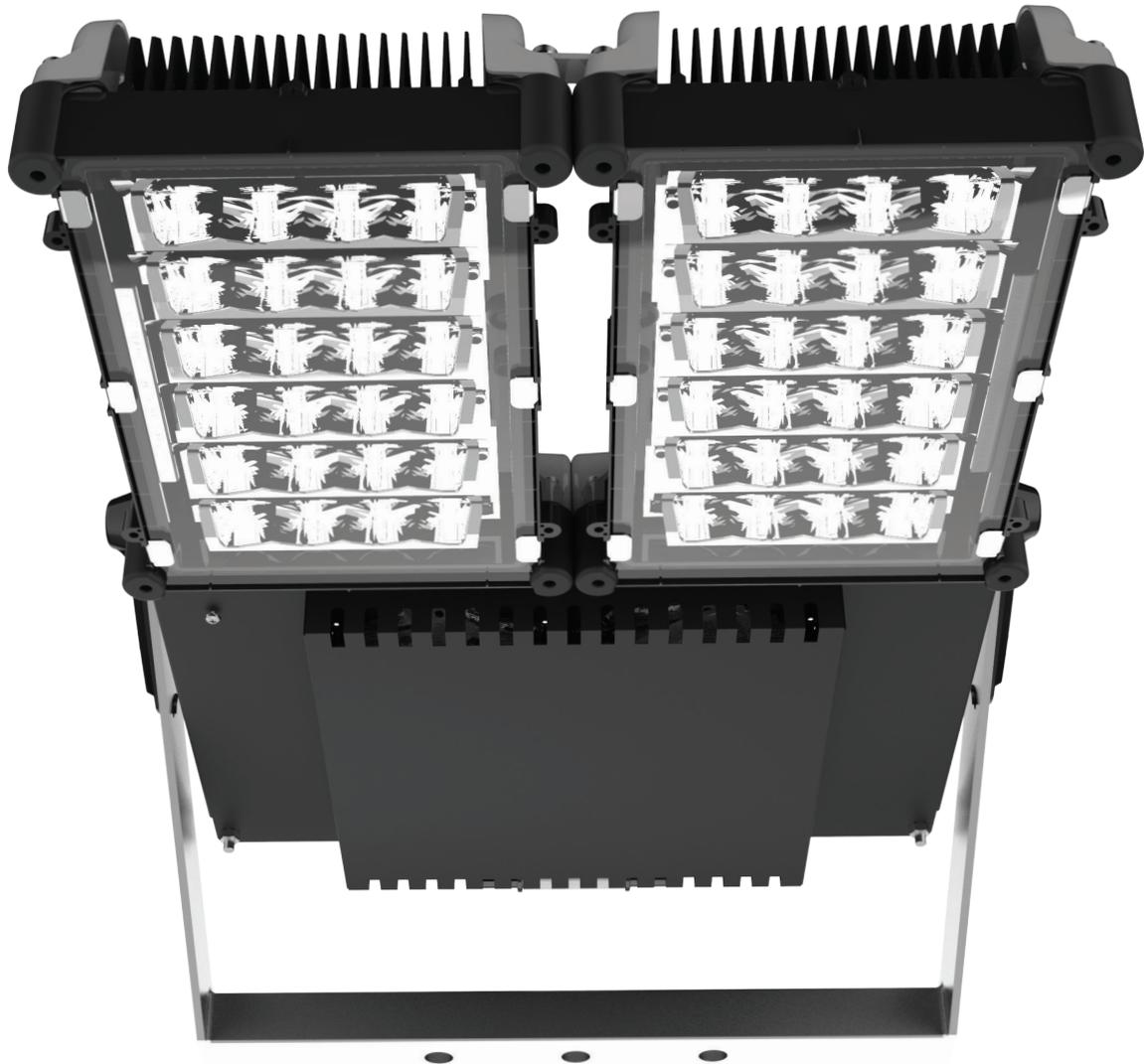


SA Geartray Series Dimensions



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600



TECHNICAL DETAILS

600W FLOODLIGHTING

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TECHNICAL DETAILS

600W FLOODLIGHTING

COMPLIANCE DETAILS

- Ta 40°C
- AS/NZSCISPR15, AS/NZS 60598
- IP66 and IK06

SPECIFICATION DETAILS

Sylvania Briteline Raptor 600W LED Floodlight with asymmetrical narrow beam distribution and LER greater than 100lm/W. Windage = 0.17m² and weight of 25kg.

INSTALLATION ORIENTATION

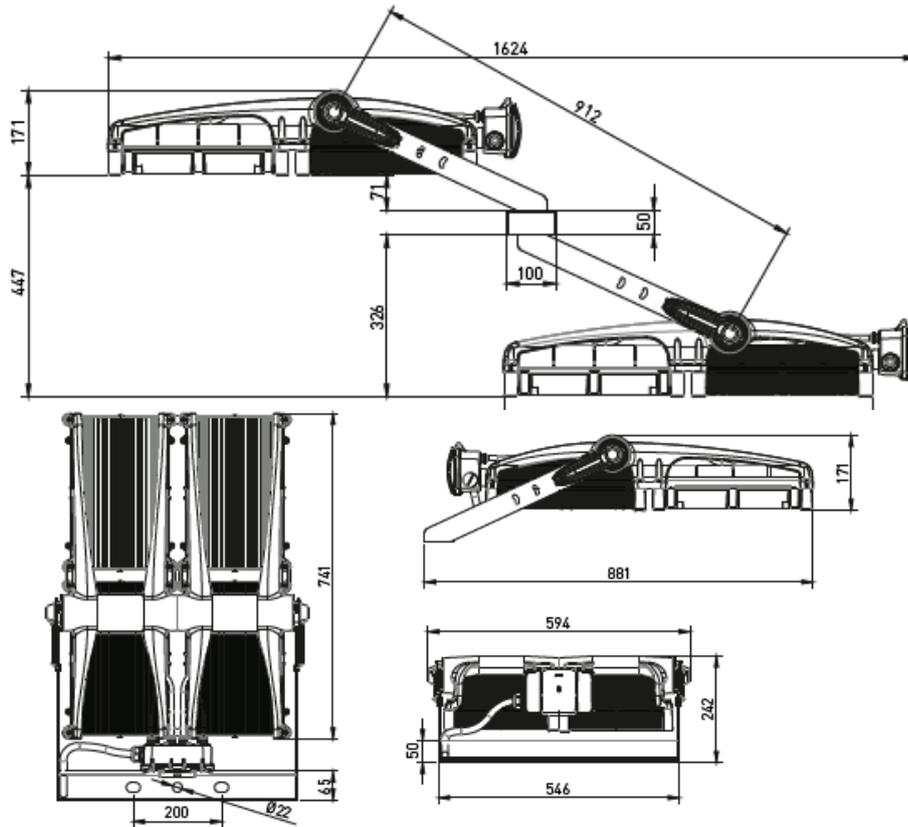
Designed for installation in interior and exterior environments in recommended orientations.

PRODUCT SPECIFICATIONS

- Input power – 660W 2 Module system
- Luminaire lumens – 68,000 (5700K CRI 70) A2 Optic 2 Module system
- LER>100 lm/W
- 5700 K Ra>70
- Rated Average Lamp Life of 50,000hrs at L90* B10
- Windage of 0.17m² (at tilt of 13°)
- Die cast LM6 aluminium frame in grey
- Galvanised trunnion arm allowing for over and under slinging on cross arms
- IP66 wiring junction box with 25mm gland
- Intergrated 415V or 240V 0-10V driver system
- Lighting Control ready
- 5 Year Warranty†
- Distribution option for A1 extra narrow, A2 narrow and A3 medium asymmetric optics
- Precision optical reflector system
- Anodised aluminium Heat Sink modules
- Precision aiming protractor
- Comes with bird spikes

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LUMINAIRE & ACCESSORY TECHNICAL DETAILS 600W FLOODLIGHTING



Product Code	Description	Voltage	Colour Temp	CRI	Lumens	Dimensions (L x W x H)	Weight
SR2H757A1EIL	BRITELINE RAPTOR 600 LED FLOODLIGHT 660W A1 OPTIC	240V	5700K	70	68,000	741 x 594 x 171mm	25kg
SR2H757A2EIL	BRITELINE RAPTOR 600 LED FLOODLIGHT 660W A2 OPTIC	240V	5700K	70	68,000	741 x 594 x 171mm	25kg
SR2H757A3EIL	BRITELINE RAPTOR 600 LED FLOODLIGHT 660W A3 OPTIC	240V	5700K	70	68,000	741 x 594 x 171mm	25kg
SR2H757A1FIL	BRITELINE RAPTOR 600 LED FLOODLIGHT 660W A1 OPTIC	415V	5700K	70	68,000	741 x 594 x 171mm	25.5kg
SR2H757A2FIL	BRITELINE RAPTOR 600 LED FLOODLIGHT 660W A2 OPTIC	415V	5700K	70	68,000	741 x 594 x 171mm	25.5kg
SR2H757A3FIL	BRITELINE RAPTOR 600 LED FLOODLIGHT 660W A3 OPTIC	415V	5700K	70	68,000	741 x 594 x 171mm	25.5kg

Product Code	Accessory Description	Dimensions (L x W x H)	Weight
SR2HWIREGUARD	WIRE GUARD	515 x 365 x 56mm	1kg

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Briteline™ LED Raptor

300/200



TECHNICAL DETAILS

300/200W FLOODLIGHTING

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TECHNICAL DETAILS

300/200W FLOODLIGHTING

COMPLIANCE DETAILS

- Ta 40°C
- AS/NZSCISPR15, AS/NZS 60598
- IP66 and IK06

SPECIFICATION DETAILS

Sylvania Briteline Raptor 300/200W LED Floodlight with asymmetrical narrow beam distribution and LER greater than 100lm/W. Windage = 0.14m² and weight of 10.2kg.

INSTALLATION ORIENTATION

Designed for installation in an interior and exterior environments in recommended orientations.

PRODUCT SPECIFICATIONS

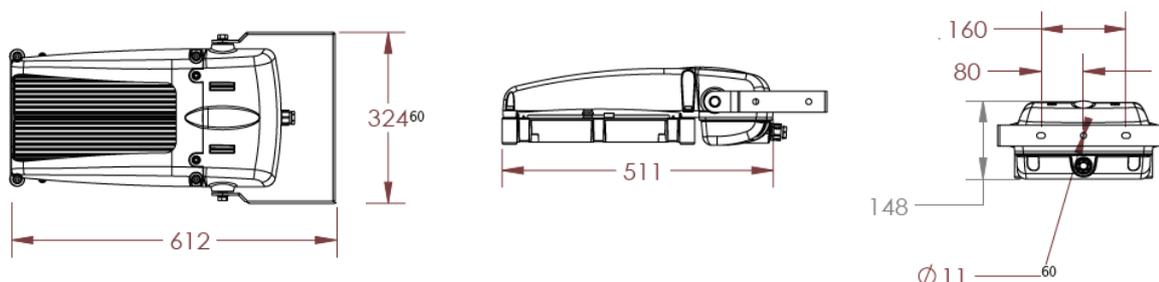
- Input power – 210/320W 1 Module system
- 300W Luminaire lumens – 28,500 (4000K CRI 80) A2 Optic 1 Module system
- 200W Luminaire lumens – 19,000 (4000K CRI 80) A2 Optic 1 Module system
- LER>100 lm/W
- 5700 K Ra>80
- Rated Average Lamp Life of 50,000hrs at L90* B10
- Windage of 0.14m² (at tilt of 13°)
- Die cast LM6 aluminium frame
- Galvanised trunnion arm and Spigot
- IP66 wiring junction box with 25mm gland
- Integrated 240V driver system, 0-10V
- Lighting Control ready
- 5 Year Warranty†
- Distribution option for A2 narrow and T2 optics
- Precision optical reflector system
- Anodised aluminium Heat Sink modules
- Precision aiming protractor
- Comes with bird spikes

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LUMINAIRE & ACCESSORY

TECHNICAL DETAILS

300/200W FLOODLIGHTING



Product Code	Description	Voltage	Colour Temp	CRI	Lumens	Dimensions (L x W x H)	Weight
SR1H840A2ES	BRITELINE RAPTOR 300 LED FLOODLIGHT 320W A2 OPTIC - SPIGOT	240V	4000K	80	28,500	695 x 260 x 150mm	10.2 kg
SR1H840A2ET	BRITELINE RAPTOR 300 LED FLOODLIGHT 320W A2 OPTIC - TRUNNION	240V	4000K	80	28,500	610 x 324 x 140mm	10.2 kg
SR1H840T2ES	BRITELINE RAPTOR 300 LED FLOODLIGHT 320W T2 OPTIC - SPIGOT	240V	4000K	80	28,500	695 x 260 x 150mm	10.2 kg
SR1H840T2ET	BRITELINE RAPTOR 300 LED FLOODLIGHT 320W T2 OPTIC - TRUNNION	240V	4000K	80	28,500	610 x 324 x 140mm	10.2 kg

Product Code	Description	Voltage	Colour Temp	CRI	Lumens	Dimensions (L x W x H)	Weight
SR0H840A2ES	BRITELINE RAPTOR 200 LED FLOODLIGHT 210W A2 OPTIC - SPIGOT	240V	4000K	80	19,000	695 x 260 x 150mm	10.2 kg
SR0H840A2ET	BRITELINE RAPTOR 200 LED FLOODLIGHT 210W A2 OPTIC - TRUNNION	240V	4000K	80	19,000	610 x 324 x 150mm	10.2 kg
SR0H840T2ES	BRITELINE RAPTOR 200 LED FLOODLIGHT 210W T2 OPTIC - SPIGOT	240V	4000K	80	19,000	695 x 260 x 150mm	10.2 kg
SR0H840T2ET	BRITELINE RAPTOR 200 LED FLOODLIGHT 210W T2 OPTIC - TRUNNION	240V	4000K	80	19,000	610 x 324 x 150mm	10.2 kg

Product Code	Accessory Description	Dimensions (L x W x H)	Weight
SR1HWIREGUARD	WIRE GUARD	255 x 365 x 56mm	550g



Blacktown Tennis Centre Stanhope NSW



The Gabba - Training Nets QLD



South Belgrave Oval VIC

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