Briteline™ LED Raptor

1200W

RETROFIT SOLUTION AVAILABLE

PRECISION & PERFORMANCE

SYLVANIA

THE BENCHMARK IN LED
SPORTS & AREA FLOODLIGHTING

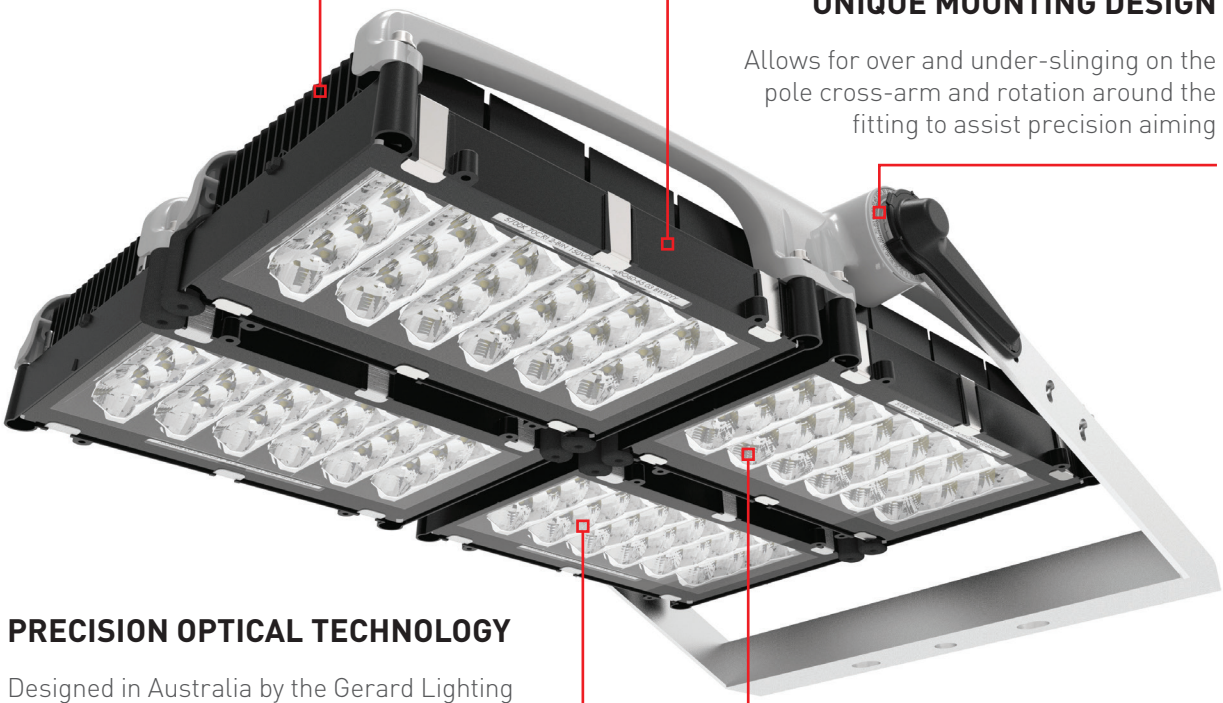
Discover the new Sylvania Briteline™ Raptor LED Floodlight designed to deliver unbeatable precision, power and flexibility in many sports lighting applications.

BUILT TOUGH TO SURVIVE

Diecast LM6 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

SLEEKER BUT STRONGER

Raptor's lean size and weight makes it perfect for retrofits. Lower windage (0.17 m^2 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

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

HIGH ENERGY EFFICIENCY

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

FUTURE READY

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

RAPIX READY

WHAT MAKES THE 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 produces a high lumen output with less power, providing up to 40% in energy savings 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. The NEW Extreme LED Hybrid control gear also enables the installer to utilise existing cabling infrastructure when upgrading from HID floodlights to LED technology

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 compared to 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 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.

CLOUD BASED SPORTS FIELD LIGHTING CONTROL

For many sporting facilities, accountability can be an ongoing headache. Keys can get lost, passwords can be shared with the wrong people, and usage can be difficult to track, making billing and reporting problematic.

Enter RAPIX Cloud – a cloud based sports field lighting control solution that empowers sports clubs, councils and users to manage lighting both remotely and locally, providing utility, convenience and accountability all around.

RAPIX cloud makes life easier providing:

- Total control over usage and costs across multiple fields and locations
- Ability to create multi-user access levels
- Allocation of usage via one-time token authorisation/de-authorisation
- Scheduling to align with regular practice and game times
- Easy reporting on usage and billing
- Access to lighting control via a simple app and web browser interface
- Scheduling via a familiar calendar booking system

RAPIX CLOUD

SAVE BIG

Save on energy and maintenance costs.

SAFETY FIRST

Increase safety and security for users.

OFFER MORE

Provide better services to the community
and sports clubs.

TRANSPARENT

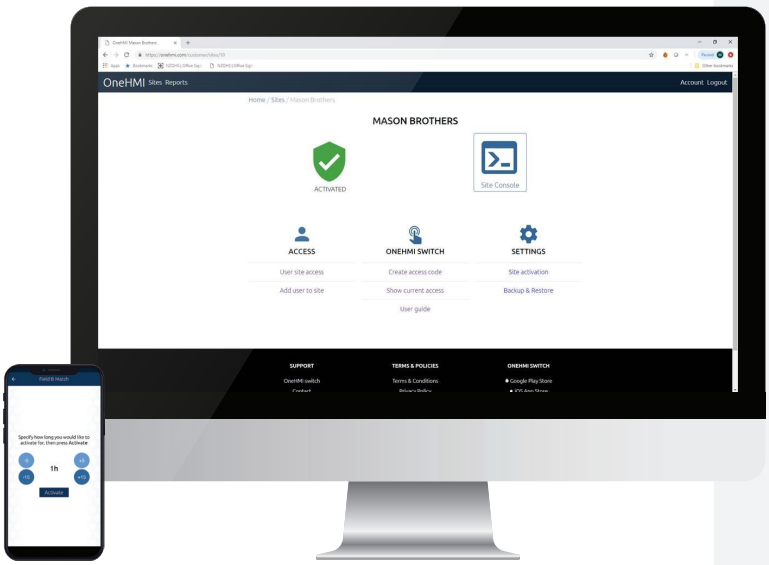
Transparency on billing for the facility and designated users.

SIMPLE CONTROL

Online control of sports fields and court resources.

EASY INSTALLATION

Suitable for new and retrofit applications.



BOOK A DEMO

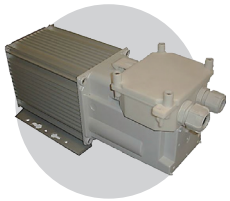
Contact your local Gerard Lighting representative or visit gerardlighting.com.au

NEW

RETROFIT SOLUTION
HID FLOODLIGHTS

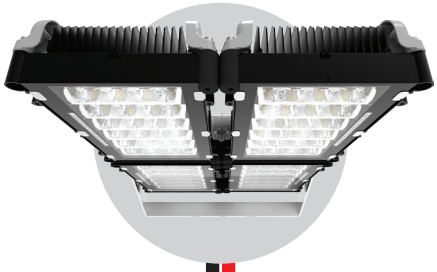
The perfect solution when upgrading existing HID floodlights to LED technology, a NEW addition to the Raptor range is the Extreme LED Hybrid control gear. Enabling the installer to utilise the existing cabling infrastructure, making it ideal for both retrofit scenarios and new installations

Existing Briteline or other similar HID floodlights and control gear models.



HID
Weatherproof
IP65 (240V/415V)

HID
Tray Mounted
IP20 (240V/415V)



Proposed RETROFIT with Raptor 1200 and Extreme LED Hybrid Control Gear, using existing cabling

HYBRID
Weatherproof
IP65 (240V/415V)

240V: SR4HERWP01T
415V: SR4HFRWP01T

HYBRID
Tray Mounted
IP20 (240V/415V)

240V: SR4HERGT01T
415V: SR4HFRGT01T

HYBRID CONTROL BENEFITS

- IP20 and IP65 models available in both 240V and 415V
- Optional accessory available which offers 50% dimming for training mode
- Requires a two core cable between the driver and luminaire, providing an ideal solution for HID Floodlight retrofits. Installation of earthing is required as per Australian Standards
- The Extreme LED Hybrid control gear has been designed to match the footprint of the existing HID control gear
- For new installations, the distance between the control gear and the floodlight has been greatly improved. This offers benefits for both installation and maintenance
- Proven to offer protection in extreme environments with up to 60˚C ambient temperature, offering high immunity to surges and low inrush/leakage current

TECHNICAL DETAILS

FLOODLIGHT SPECIFICATIONS

- Input power – 1270W 4 module system
- Lumen Output - up to 136,000lm
- LER→100 lm/W
- 5700K Ra→70 / Ra→80,
  4000K Ra→70 / Ra→80
- Rated Average Lamp Life of 50,000hrs at L90* B10
- Ta 40°C
- IP66 and IK06
- Windage of 0.17m2 (at tilt of 13°) and a weight of 28.6kg
- 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
- Lighting Control ready
- Asymmetrical distribution
- Anodised aluminium heat sink modules
- Bird spikes supplied
- 5 Year Warranty†
- Compliant to AS/NZSCISPR15, AS/NZS 60598

QUICK FLOODLIGHT CROSS REFERENCE

Colour Temperature (K)	Colour Rendering	A1 Extra Narrow Optic	A2 Narrow Optic	A3 Medium Optic
5700	70	SR4H757A1L	SR4H757A2L	SR4H757A3L
5700	80	SR4H857A1L	SR4H857A2L	SR4H857A3L
4000	70	SR4H740A1L	SR4H740A2L	SR4H740A3L
4000	80	SR4H840A1L	SR4H840A2L	SR4H840A3L

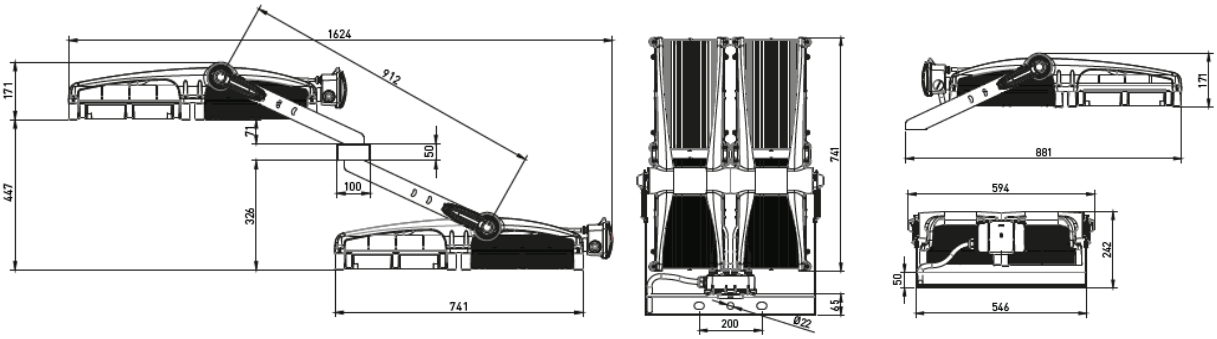
QUICK CONTROL GEAR CROSS REFERENCE

Voltage (V)	Dimming	GearTray Long Left	GearTray Long Right	GearTray Short
240 (ELECTRONIC CONTROL GEAR)*	0-10V	SR4HELA01T	SR4HELB01T	SR4HESA01T
	DALI	SR4HALA01T	SR4HALB01T	SR4HASA01T
240 (HYBRID CONTROL GEAR)	Optional Switch Dimming Signal: OFF=100% ON=50%	SR4HERWP01T (IP65)		
		SR4HERGT01T (IP20)		
415 (ELECTRONIC CONTROL GEAR)*	0-10V	SR4HFLA01T	SR4HFLB01T	SR4HFSA01T
	DALI (no feedback)	SR4HGLA01T	SR4HGLB01T	SR4HGSA01T
415 (HYBRID CONTROL GEAR)	Optional Switch Dimming Signal: OFF=100% ON=50%	SR4HFRWP01T (IP65)		
		SR4HFRGT01T (IP20)		

*Control gear supplied as standard IP20, weatherproof IP65 box available for use with: SR4HESA01T, SR4HASA01T, SR4HFSA01T & SR4HGSA01T

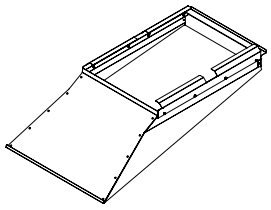
FLOODLIGHT
TECHNICAL DETAILS

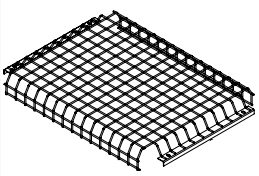
RAPTOR 1200 DIMENSIONS

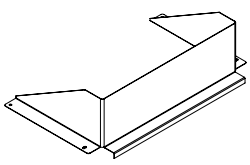


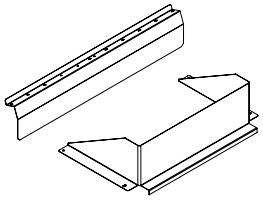
Product Code	Description	Colour Temp (K)	CRI	Lumens (lm)	Dimensions (mm)	Weight (kg)
SR4H757A1L	RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	5700	70	136,000	L 741 x W 594 x H 171	28.6
SR4H757A2L	RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	5700	70	136,000	L 741 x W 594 x H 171	28.6
SR4H757A3L	RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	5700	70	136,000	L 741 x W 594 x H 171	28.6
SR4H857A1L	RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	5700	80	113,000	L 741 x W 594 x H 171	28.6
SR4H857A2L	RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	5700	80	113,000	L 741 x W 594 x H 171	28.6
SR4H857A3L	RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	5700	80	113,000	L 741 x W 594 x H 171	28.6
SR4H740A1L	RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	4000	70	118,000	L 741 x W 594 x H 171	28.6
SR4H740A2L	RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	4000	70	118,000	L 741 x W 594 x H 171	28.6
SR4H740A3L	RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	4000	70	118,000	L 741 x W 594 x H 171	28.6
SR4H840A1L	RAPTOR 1200 LED FLOODLIGHT 1270W A1 OPTIC	4000	80	98,000	L 741 x W 594 x H 171	28.6
SR4H840A2L	RAPTOR 1200 LED FLOODLIGHT 1270W A2 OPTIC	4000	80	98,000	L 741 x W 594 x H 171	28.6
SR4H840A3L	RAPTOR 1200 LED FLOODLIGHT 1270W A3 OPTIC	4000	80	98,000	L 741 x W 594 x H 171	28.6

ACCESSORIES





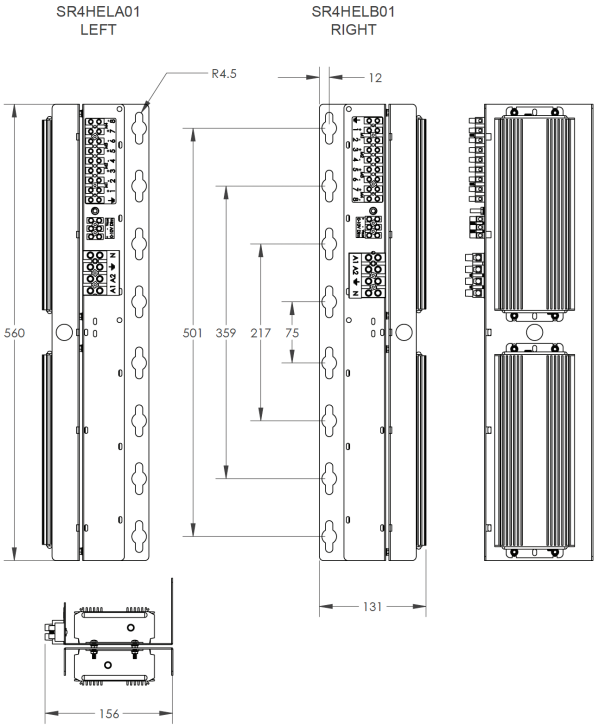




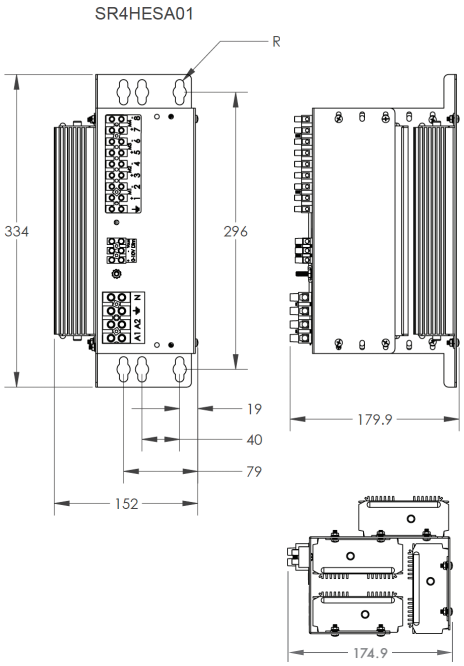
Raptor hood accessory	Wire guard (quantity 2)	Back shield	Side and back shield kit
SR4HAPRONHOOD	SR4HWIREGUARD	SR4HBACKSHIELD	SR4HSIDESHIELD
L 1195 x W 670 x H 310mm	L 515 x W 365 x H 56mm	L 515 x W 315 x H 151mm	L 800 x W 315 x H 155mm
5kg	1kg	1.15kg	2.4kg

ELECTRONIC CONTROL GEAR
TECHNICAL DETAILS

LA/LB CONTROL GEAR DIMENSIONS



SA CONTROL GEAR DIMENSIONS



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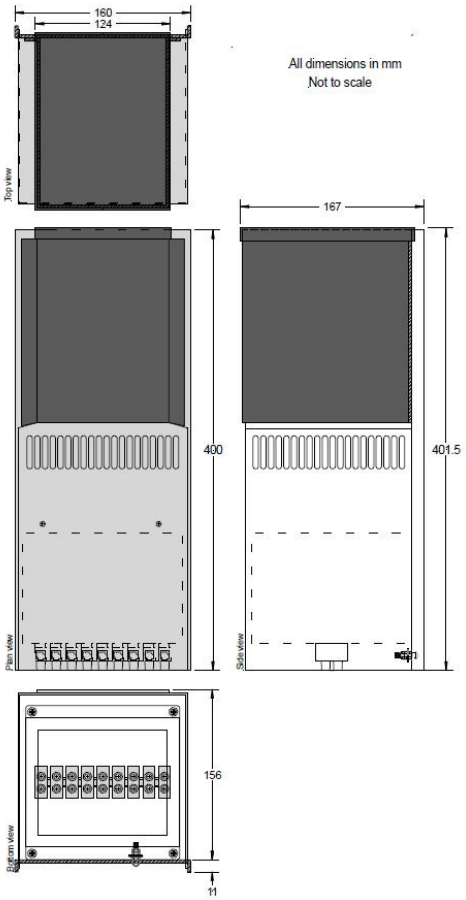
Product Code	Description	Control	Voltage (V)	Dimensions (mm)
SR4HELA01T	Tray Long Left, SPD 10kV	0-10V DIM	240	L 560 x W 131 x H 156
SR4HALA01T	Tray Long Left, SPD 10kV	DALI DIM	240	L 560 x W 131 x H 156
SR4HFLA01T	Tray Long Left, SPD 10kV	0-10V DIM	415	L 560 x W 131 x H 156
SR4HGLA01T	Tray Long Left, SPD 10kV	DALI DIM, No Feedback	415	L 560 x W 131 x H 156
SR4HELB01T	Tray Long Right, SPD 10kV	0-10V DIM	240	L 560 x W 131 x H 156
SR4HALB01T	Tray Long Right, SPD 10kV	DALI DIM	240	L 560 x W 131 x H 156
SR4HFLB01T	Tray Long Right, SPD 10kV	0-10V DIM	415	L 560 x W 131 x H 156
SR4HGLB01T	Tray Long Right, SPD 10kV	DALI DIM, No Feedback	415	L 560 x W 131 x H 156
SR4HESA01T	Tray Short, SPD 10kV	0-10V DIM	240	L 334 x W 152 x H 180
SR4HASA01T	Tray Short, SPD 10kV	DALI DIM	240	L 334 x W 152 x H 180
SR4HFSA01T	Tray Short, SPD 10kV	0-10V DIM	415	L 334 x W 152 x H 180
SR4HGSA01T	Tray Short, SPD 10kV	DALI DIM, No Feedback	415	L 334 x W 152 x H 180

Product Code	Accessory Description	Dimensions (mm)	Weight (kg)
SR4HWPBOX	Weatherproof IP65 box accessory for use with:SR4HESA01T, SR4HASA01T, SR4HFSA01T, SR4HGSA01T only	L 200 x W 400 x H 600	13.5

HYBRID CONTROL GEAR
TECHNICAL DETAILS

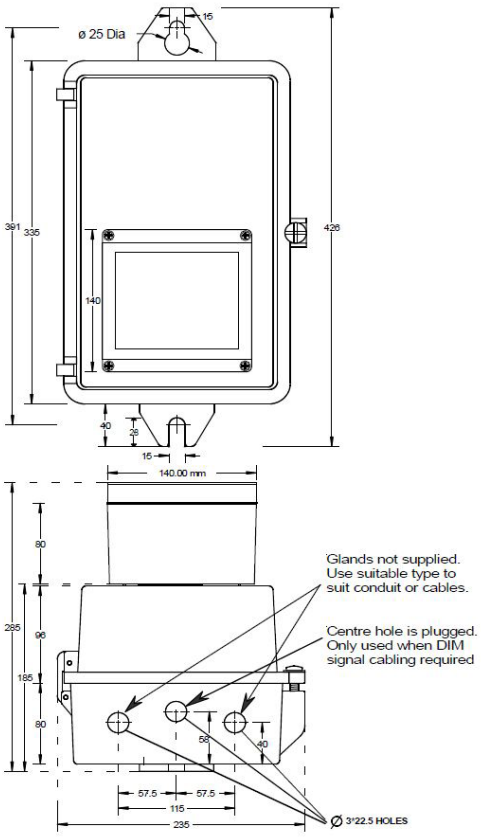
IP20 CONTROL GEAR DIMENSIONS

SR4HERGT01T
SR4HFRGT01T



IP65 CONTROL GEAR DIMENSIONS

SR4HERWP01T
SR4HFRWP01T



Product Code	Description	Optional Control	IP Rating	Voltage (V)	Dimensions (mm)
SR4HERWP01T	W/P BOX CONTROL GEAR RAPTOR 2 WIRE 240V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP65	240	L 426 x W 235 x H 285
SR4HERGT01T	G/TRAY CONTROL GEAR RAPTOR 2 WIRE 240V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP20	240	L 400 x W 160 x H 167
SR4HFRWP01T	W/P BOX CONTROL GEAR RAPTOR 2 WIRE 415V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP65	415	L 426 x W 235 x H 285
SR4HFRGT01T	G/TRAY CONTROL GEAR RAPTOR 2 WIRE 415V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP20	415	L 400 x W 160 x H 167

Product Code	Accessory Description	Voltage (V)
SDIM-400-A1	Switch Dim Interface 380-430V	415
SDIM-230-A1	Switch Dim Interface 220-250V	240
PSU-003-A1	220-430VAC/12 DC Dim Signal PSU	240/415

PROVEN RESULTS

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