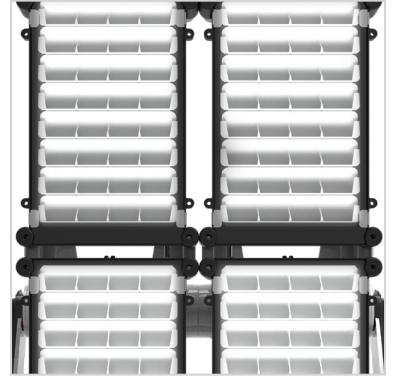


SYLVANIA BRITELINE RAPTOR 2



SYLVANIA

Sleeker, Stronger, Smarter

THE BENCHMARK IN SPORTS FLOODLIGHTING

Bringing together performance, optical control and innovative design, the new RAPTOR 2 from Sylvania Schröder provides better spill control, less windage, and increased performance resulting in fewer luminaire requirements.

IP 66

IK 06



SPORTS



CAR PARKS



LARGE
AREAS

MAIN APPLICATIONS

- Sports
- Car parks
- Large Areas

KEY ADVANTAGES

- Designed in Australia for Australian and New Zealand conditions
- High lumen efficacy over 125lms/w
- Precision reflector systems, designed to control spill light
- Asymmetric distribution, with three beam options
- Available in CCT 5700K & 4000K CRI 70
- Remote driver assembly, 240V and 415v. 0-10V, DALI and new Hybrid Control Gear
- Die-cast aluminium body, UV stabilized powder coated for durability
- Colour: black heatsink with grey frame
- Optimal reliability with 5 year warranty
- All exposed cabling has bird proof conduit
- Supplied with bird spikes



Precision optical design, controlling spill light



Precise aiming with protractor and locking device



Heavy duty trunnion arm, suitable for under and over slinging



Die cast aluminium heat sink for excellent thermal management

SCS is focused on Smart Control technologies, delivering solutions to clients that enable these Smart LED luminaires to become smarter.

The equipped NEMA sockets on the luminaire connects a Smart Light Point Controller/ Node with an easy twist and lock mechanism. The Light Point Controllers enables these luminaires to be connected to a dedicated network and a User-Interface on a computer, which allows these luminaires to be remotely managed.

Key benefits:



Constant Light Output (CLO)

Additional energy savings (over 20%) by using the Constant Light Output (CLO) and Virtual Light Output (VLO) functionality



Dimming schedules

Reducing the amount of light when not required, thereby reducing light glow as well as get further energy savings



Pro-active maintenance

The system reports errors and failures as they occur, helping to repair/ restore the luminaires pro-actively



Smart City devices

Connect additional Smart City devices including Air-quality monitors, Noise sensors, Motion sensors etc



For more information on smart controls contact: info@scs-schreder.com

GENERAL INFORMATION

Recommended installation height	15m to 40m 50' to 130'
Driver included	No
RCM Mark	Yes
ROHS compliant	Yes
Testing standard	AS/NZS 60598.1:2017

HOUSING AND FINISH

Housing	Die-cast LM6 aluminium frame
Optic	High temperature vacuum metalised reflector
Protector	Tempered glass
Housing finish	Powder coated finish
Standard colour(s)	RAL9011
Tightness level	IP66

PERFORMANCE

Lumen efficacy	125lms/w
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ELECTRICAL INFORMATION

Electrical class	Class 1
Nominal voltage	240V/415V – 50Hz/60Hz
Power factor (at full load)	> 0.98
System wattage	4 module 1260W
Surge protection (kV)	10kV
Electromagnetic compatibility (EMC)	AS/NZSCISPR15, AS/NZS 60598.1
Control protocol(s)	0-10V, DALI and 50% switch DIM for Hybrid Gear
Sensor(s)	Devices & sensors for smart city applications

OPTICAL INFORMATION

LED colour temperature	5700K & 4000K
Colour rendering index (CRI)	> 70
Asymmetrical distributions	A1 Narrow, A2 Medium, A3 Wide

OPERATING CONDITIONS

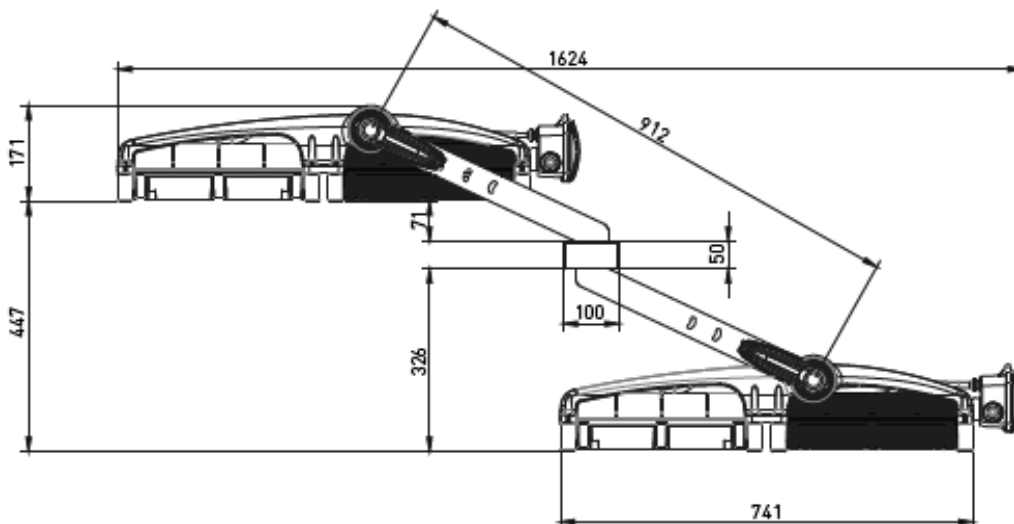
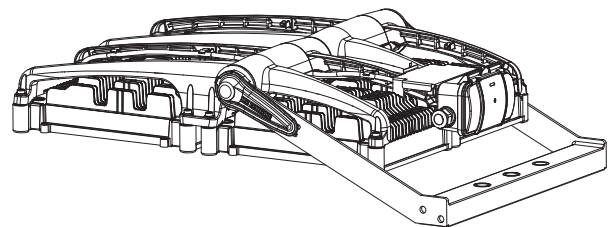
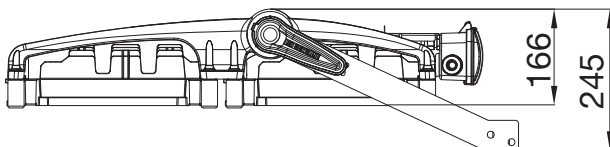
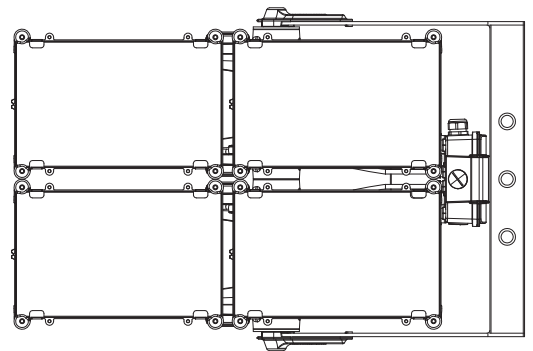
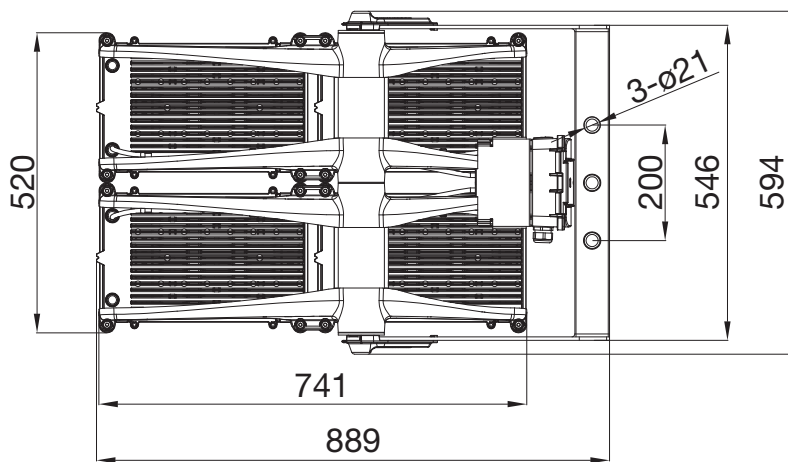
Temperature range from operation (Ta)	0°C to + 40°C
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LIFETIME OF THE LEDS @ TA 40°C

All configurations	53,000h - L70
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DIMENSIONS AND MOUNTING

L x W x H (mm)	741 x 594 x 171
Weight (kg)	28.3
Aerodynamic resistance	0.115 (at tilt of 0°)
Windage (m2)	0.17 (at tilt of 13°) 0.25 with Apron Hood
Mounting possibilities	Galvanised trunnion arm for under and over slinging

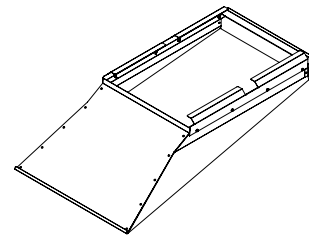




Product Code	Name	Beam Dist.	Colour Temp	System Power (W)
SR4H757A1LG2	RAPTOR 2 1200W A1 BEAM CRI70 CCT5700K NO GEAR	Asymmetric A1 Narrow	5700	1260
SR4H757A2LG2	RAPTOR 2 1200W A2 BEAM CRI70 CCT5700K NO GEAR	Asymmetric A2 Medium	5700	1260
SR4H757A3LG2	RAPTOR 2 1200W A3 BEAM CRI70 CCT5700K NO GEAR	Asymmetric A3 Wide	5700	1260
SR4H740A1LG2	RAPTOR 2 1200W A1 BEAM CRI70 CCT4000K NO GEAR	Asymmetric A1 Narrow	4000	1260
SR4H740A2LG2	RAPTOR 2 1200W A2 BEAM CRI70 CCT4000K NO GEAR	Asymmetric A2 Medium	4000	1260
SR4H740A3LG2	RAPTOR 2 1200W A3 BEAM CRI70 CCT4000K NO GEAR	Asymmetric A3 Wide	4000	1260

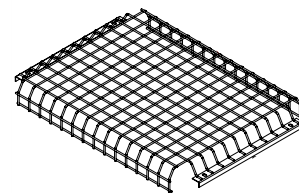
ACCESSORIES - RAPTOR HOOD ACCESSORY

SR4HAPRONHOOD	L 1195 x W 670 x H 310mm	5kg
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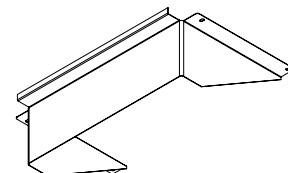
ACCESSORIES - WIRE GUARD (QUANTITY 2)

SR4HWIREGUARD	L 515 x W 365 x H 56mm	1kg
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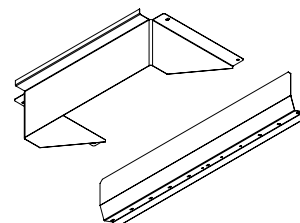
ACCESSORIES - BACK SHIELD

SR4HBACKSHIELD	L 515 x W 315 x H 151mm	1.15kg
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ACCESSORIES - SIDE AND BACK SHIELD KIT

SR4HSIDESHIELD	L 800 x W 315 x H 155mm	2.4kg
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EXTREME HYBRID CONTROL GEAR

- IP20 and IP65 models available
- 240V and 415V options
- Optional accessory offering 50% dimming
- 2C+E cable between driver and luminaire
- Maximum distance between gear and floodlight:
 - 1.5mm² cable = 500m
 - 2.5mm² cable = 850m
 - 4.0mm² cable = 1400m
 - 6.0mm² cable = 2100m
- High immunity to surges, low inrush /leakage current
- Requires a two core cable + Earth 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 70°C ambient temperature, for IP20 GEN 2 model. Offering high immunity to surges and low inrush/leakage current

ELECTRONIC CONTROL GEAR

- 4 x IP67 electronic drivers on IP20 gear tray, operating 4 LED modules.
- Available in 240V and 415V, 0-10V and DALI. 415V DALI (no Feedback)
- 10kV surge protection
- Two gear tray sizes, Short and Long. Allows for easier fitment into poles
- 8 Core + Earth cable between gear tray and floodlight
- Maximum distance between gear and floodlight:
 - 1.5mm² cable = 45m
 - 2.5mm² cable = 90m

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)		
		SR4HERGT01TG2 (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)		
		SR4HFRGT01TG2 (IP20)		

DIMENSIONS AND ORDER CODES

Product Code	Name	Optional Control	IP Rating	Voltage (V)	Dimensions LxWxH(mm)
SR4HERWP01T	W/P BOX CONTROL GEAR RAPTOR 2 WIRE 240V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP 65	240	426 x 235 x 285
SR4HERGT01TG2	G/TRAY CONTROL GEAR RAPTOR 2 WIRE 240V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP 20	240	400 x 160 x 167
SR4HFRWP01T	W/P BOX CONTROL GEAR RAPTOR 2 WIRE 415V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP 65	415	426 x 235 x 285
SR4HFRGT01TG2	G/TRAY CONTROL GEAR RAPTOR 2 WIRE 415V 10KV SURGE IMMUNITY	SWITCH DIMMING	IP 20	415	400 x 160 x 167

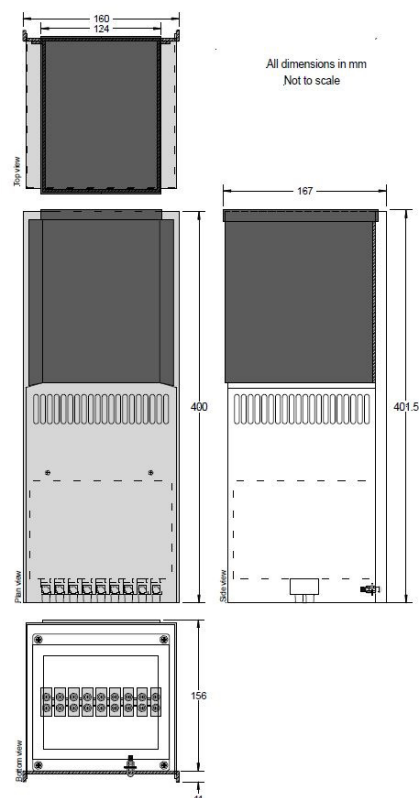
ACCESSORIES

Product Code	Name	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

IP20 Control Gear Dimensions

SR4HERGT01T

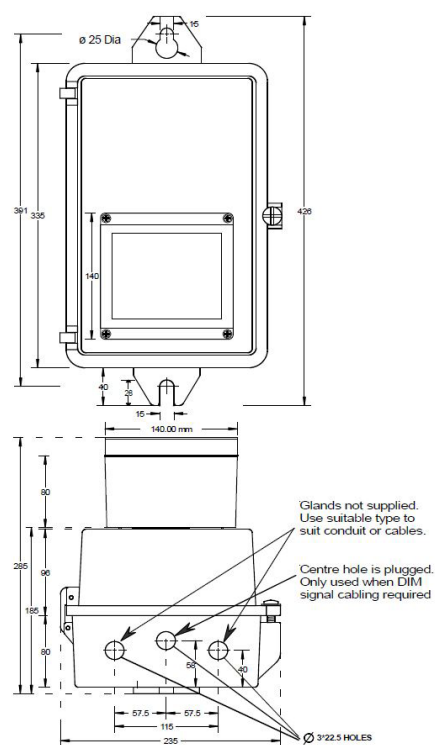
SR4HFRGT01T



IP65 Control Gear Dimensions

SR4HERWP01T

SR4HFRWP01T



DIMENSIONS AND ORDER CODES

Product Code	Name	Control	Voltage (V)	Dimensions LxWxH(mm)
SR4HESA01T	Tray Short, SPD 10kV	0-10V DIM	240	334 x 152 x 180
SR4HASA01T	Tray Short, SPD 10kV	DALI DIM	240	334 x 152 x 180
SR4HFSA01T	Tray Short, SPD 10kV	0-10V DIM	415	334 x 152 x 180
SR4HGSA01T	Tray Short, SPD 10kV	DALI DIM, No Feedback	415	334 x 152 x 180

SA Control Gear Dimensions

