Product Specification Sheet
Pacific MSR

Metal Halide Ellipsoidal Range

The unique optical system of the Pacific range, the world's first base down axial profile, ensures a powerful, energy efficient, quality beam of light. When combined with a 575W MSR light source the Pacific offers lighting designers a powerful tool providing variable beam angles, beam shaping, low glare, projection and movement. The power of the Pacific MSR allows projection over distances previously unobtainable with a standard profile.

The four shaping shutters accurately shape the beam while the rotatable lens tube ensures that the exact shutter cut you require is achievable. Two pattern projection slots allow for precise projection of standard and custom designed patterns. The rotatable gobo holder allows for quick and easy image alignment. The addition of moving effect attachments ensures a wide range of creative options is available to the designer. Rain, clouds and fire are just some of the options.

As you would expect on a Selecon luminaire the many operational features are easy and safe to use. Peak/flat lamp adjustment is cool to operate while precise adjustments are easy with the central planetary gear system.

The Pacific MSR series offers a choice of six Zoom systems – 5.5º-13º, 7.5º-19º 12º-28º, 14º -35º, 23º - 50º and 45º -75º and six fixed angle beams – 5º HE, 20º, 30º, 40º, 50º and 90º. The electronic power supply is available in a portable housing that can be separately mounted for permanent installations.

The Pacific MSR can be ordered as a complete luminaire or the lamp module can be ordered separately and fitted to existing Pacific fittings.

The Pacific Dowser accessory is used to dim discharge lamps such as the MSR – dimming response is similar to that of dimming a TH lamp using a phase control dimmer.

Technical specifications

Electronic Power Supply complies with EN60922 A1:1992 and is TUV certified.

UL listing: the EVG5 (part #: 321841000) and the ignitor HZG5-25 (part #: 320581000) are tested in accordance with UL1950 clause 2.9 and CSA22.2-950.

Ignitor Distances: Though the electronic power supply can be mounted far away from the lamp, the ignitor must be within 2m of the lamp.

Lamps

Philips	**MSR575/2**	**MSRHR**	**MSD575**
Average Lamp Life:	750 hours	750 hours	2000 hours
Lumens:	49000	49000	43000
Colour Temperature:	5600K	6000K	6000K

Colour Rendering Index (RA8): 95
Burning position: Universal

Voltage and Current:

	Start-up	**Running**
Voltage	<5Kv	95v
Current	7.7A	7A

Lamp Efficacy: 85 lm/W
Re-Ignition time for standard MSR and MSD lamps: 10 minutes
Hot Restrike system is available for instant start-up.

Order codes

Pacific MSR Lamp Modules

19PACLMMSRI
Pacific Lamp Module for 575W MSR lamp with built in ignitor. For standard electronic ballast only.

19PACLMHRMSR
Pacific Hot Restrike MSR Lamp Module, includes ignitor for Selecon electronic ballast, elapsed hour meter.

18PACMSRELBP
Electronic ballast in portable housing complete with weiland connectors for use with above Lamp Module. For use with both Hot Restrike & standard lamps. 110 - 240V universal supply.

19PACLMMSR
Pacific Lamp Module for 575W MSR lamp requires ignitor and ballast.

Note – these are the lamp modules ONLY, please specify the Pacific luminaire you require at the time of ordering.

18PACDOWSER
DMX controlled dimmer for Pacific MSR - mounts onto lamp house, 220 - 240V.

Colour media

The use of standard colour media in the Pacific MSR is not possible. The heat of the beam is cool but the variable focus of the Zoomspot may result in a secondary focal point at the colour runners. It is the focus point of the intense energy produced by the 575 watt MSR lamp that prohibits the use of standard colour media at certain beam angles, coloured or dichroic glass filters are recommended. When used with the Dowser accessory acceptable life of plastic colour filters is achieved.

Photometric data

Tests conducted using Philips MSR 575/2 lamp

Model	Zoomspot 12-28		Zoomspot 14-35		Zoomspot 23-50	
Beam Angle	cd @ 12°	cd @ 28°	cd @ 14°	cd @ 35°	cd @ 23°	cd @ 50°
Peak	560,000	136,000	560,000	136,000	376,000	100,800
Flat	400,000	96,000	400,000	96,000	176,000	53,600

Model	Zoomspot 45-75		Zoomspot 5.5-13	
Beam Angle	cd @ 45°	cd @ 75°	cd @ 5.5°	cd @ 13°
Peak	115,200	52,800	3,769,600	1,800,000
Flat	65,600	31,200	1,892,800	1,484,800

Fixed Beams

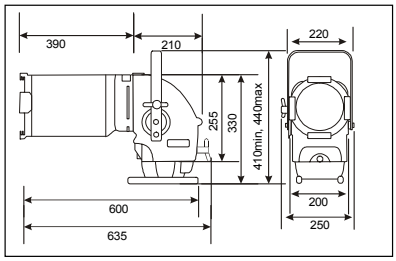
Model	Fixed 20°	Fixed 30°	Fixed 40°	Fixed 50°	Fixed 90°
Peak	432,000	260,000	132,800	84,800	33,600
Flat	248,000	150,400	75,200	48,000	17,600

Peak cd readings: Where peak lux level (centre beam) is a ratio of 3 to 1, or greater, from centre to outer edge of the beam

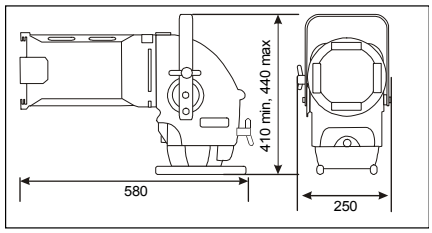
Flat cd readings: Where peak lux level (centre beam) is a ratio of 2 to 1, or greater, from centre to outer edge of the beam.

Physical data

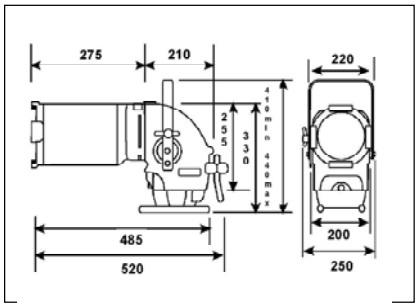
12°-28°/ 14°-35° Zoomspot
Weight: 9.5kg



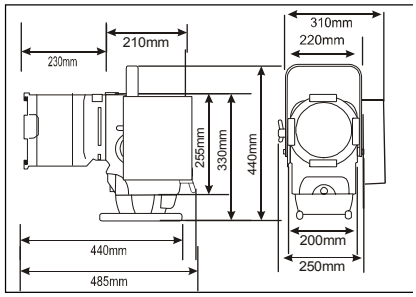
26°-50° Zoomspot & Fixed Beam
Weight: 8.3kg



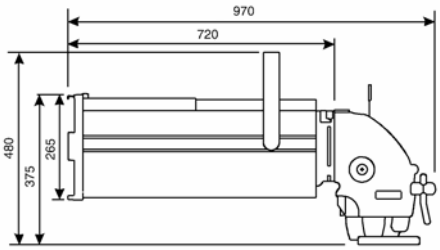
45°-75° Zoomspot
Weight: 9.6kg



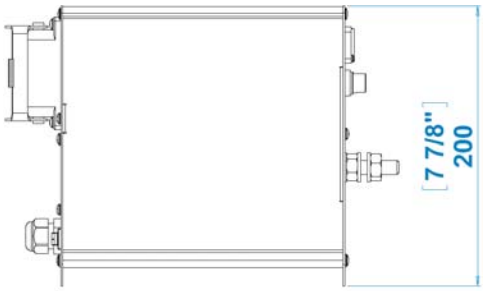
90° Fixed Beam
Weight: 9.5kg

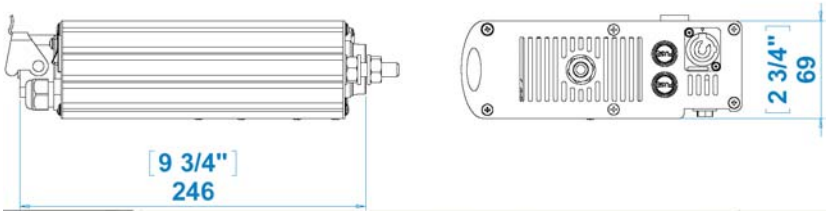


5.5 – 13 Zoomspot
Weight: 15.5kg



Electronic Portable Ballast Box (including ignitor)
Weight: 3.2kg





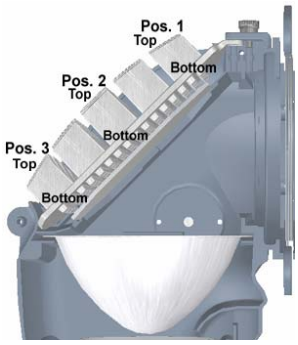
Thermal data

Heatsink temperatures

	Position 1	Position 2	Position 3
Top	134°C	100°C	84°C
Bottom	156°C	157°C	135°C

Gate Temperatures

Gate Centre		Gate Edge	
Peak	Flat	Peak	Flat
520°C	400°C	147°C	151°C



All measurements were performed with the Pacific in a horizontal position, with all shutters open, without gobo and at an ambient temperature of 18°C.

Please Note: temperatures will vary depending on conditions of use.

Selecon reserves the right to change the specifications without notice (03/09).