

Quality
Performance
Efficiency
Longevity

The Unilux Range



Environmental Lighting Australia Pty Ltd

Sharp Cut Off - v2 Standard MH Series

Description

The Unilux Sharp Cut Off - v2 Standard MH Series are high performance environmental type floodlights, proudly designed and manufactured in Australia by ELA. Specifically designed for tennis court lighting, the v2 series use small encasement metal halide lamps, combined with a highly efficient, refined optical system that delivers a more uniform, higher level of light. The innovative ELA design combined with the latest technology components and manufacturing processes, results in a superior product backed by our exceptional product warranty.



Applications

Tennis Courts - Club and Residential
Bowling Greens
Outdoor Netball & Basketball Courts
Multipurpose Courts
Futsal (soccer)



v2 Key Product Developments

The v2 release has been designed with two key aspects in mind - **Efficiency and Warranty**.

Efficiency

The highly refined optical system of the v2 Sharp Cut Off Series achieves greater efficiency (output), equating to more light on the court. It is important to understand that it is not just the lamp wattage or type that determines the light output of a floodlight - the reflector system plays a significant part in this. We have combined the new highly efficient v2 optical system with small encasement metal halide lamps to achieve industry leading performance.

The new v2 S1000 floodlight sets a new standard in efficiency. It produces 33% higher light output than our previous 1000 watt floodlight, which used the outdated large encasement BT56 lamp (still used by many manufacturers).

With performance gains so significant, the v2 optical system has allowed us to remove the inefficient and unreliable 1500 watt floodlight from our range.

Warranty

The innovative v2 design isolates the control gear set components from the heat produced by the lamp, greatly reducing the running temperature of the control gear set. This results in longer control gear set life and reduced chance of failure. This new design enhancement allows a significantly extended control gear set warranty:

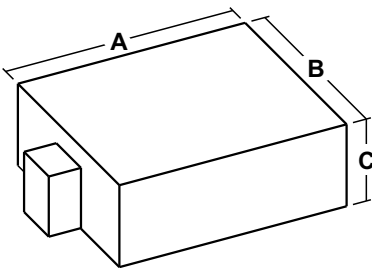
- **5 year control gear set warranty**
- **1 year lamp warranty**

Please refer to page 3 for warranty details.

Dimensions

Wattage	A	B	C
400w	530	440	190
1000w	730	540	243

Diagram shown with bracket adapter mounting type



Specifications

Housing

- Robust die formed aluminium.
- Seamless design.
- Fully sealed.
- Finished in premium grade oven baked powder coat. Standard colour is black - others available on request.

Reflector

- Featuring super purity high grade aluminium with 95% reflectivity.
- Formed for precise control of light to achieve maximum efficiency.

Lens Assembly

- Toughened safety glass resistant to thermal and mechanical shock, complies to A.S. 1288, held in an aluminium frame. Fixing screws are stainless steel.

Safety

- No electrical connections or control gear components are exposed when the lens door is opened for lamp replacement.

Degree of Protection

- Ip54

Spill Light Control Upgrade

The precise optical system of the Sharp Cut Off series provides high levels of spill control. As these lights are specifically designed for tennis, light on the court is maximized and spill light is reduced. However, in some cases the spill light control system will need to be increased, which can be achieved with a **S-R upgrade** to the Sharp Cut Off Series, or by upgrading to the **Ultimate Cut Off Floodlight**.

The **S-R upgrade** changes the internal configuration of the light to greatly reduce spill light and glare, without changing the appearance of the light, and with only minimal cost increase.

The **Ultimate Cut Off Floodlight** is an industry leading product that is designed to comply with the most stringent spill light regulations, without the application of unsightly external shields.



Mounting Options

The Sharp Cut Off Series are available with a wide range of mounting options to reduce installation time, increase versatility and optimise aesthetic appeal. Whether it be a new installation or adapting to an existing pole, the many mounting options complimented by our extensive range of brackets ensures easy installation.

Integral Bracket Pole Adapter

Integral bracket (sleeve) located at the rear of the floodlight. Designed to minimize installation time and maximize aesthetic appeal. The light slips over the pole top and is secured by 4 stainless steel grub screws.

Available to suit the following post tops and spigot sizes:

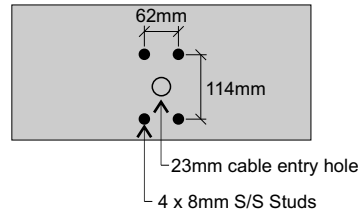
OD Round	OD Square
60mm	75mm
76mm	100mm
90mm	
102mm	
114mm	



Standard Bolt Mount

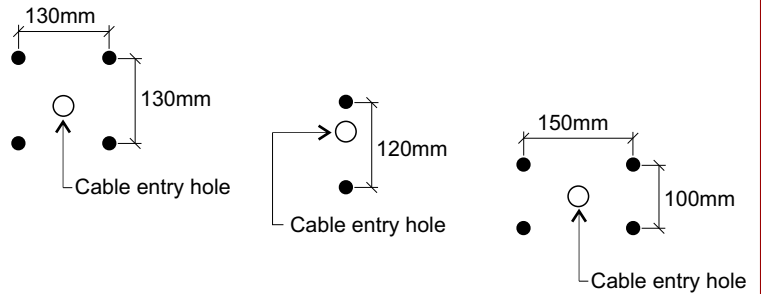
The standard configuration is 4 stainless steel studs with stainless steel nuts and washers located at the rear of the floodlight. Designed to mount onto our wide range of pole top brackets (please see our bracket catalogue). Made-to-order brackets can also be designed and manufactured in our in-house fabrication facility.

Bolt mount rear view



Bolt Mount For Existing Poles / Brackets

Other bolt mounting options are also available to fit replacement light fittings, or where poles have been installed for other brands of lights. These mounting types fit directly to the existing pole which eliminates the need for additional bracket adapters or on-site modifications, saving installation time and reducing purchase costs. The diagrams (right) show the basic range of alternative bolt mount configurations. If the configuration you require is not displayed, please contact us, as most bolt configurations can be adapted to.



Technical & Ordering Data

Product Code	Wattage	Lamp Type	Line Volts	Starting Current	Running Current	Mass kg	Sail Area sq. Mts
S400MH240	400w	Standard Metal Halide	240v	2.4	2.0	13	0.11
S1000MH240	1000w	Standard Metal Halide	240v	3.1	4.8	30	0.18
S1000MH415	1000w	Standard Metal Halide	415v	1.8	2.8	30	0.18
S-R1000MH240	1000w	Standard Metal Halide	240v	3.1	4.8	30	0.18
S-R1000MH415	1000w	Standard Metal Halide	415v	1.8	2.8	30	0.18

To specify the mounting type when ordering use the following information:

For bolt on mounting: add "/BOLT" to the product code. Eg. S1000MH240/BOLT

For bracket type (integral adapter) mounting use the following:

To fit round post tops: add "/R & the size required (60, 76, 90, 102 or 114)" to the product code. Eg. S1000MH240/R76

To fit square post tops: add "/SQ & the size required (75 or 100)" to the product code. Eg. S1000MH240/SQ100

Please note: All post top sizes are outside diameters.

Warranty

5 years

5 year warranty applies to the control gear set (ballast, capacitor and ignitor), body/metalware, reflector system, electrical components and glass lense. Please contact ELA for full warranty details.

1 year

1 year warranty applies to the lamp. Please contact ELA for full warranty details.

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In the interest of product improvement specifications are subject to change without notice.

For technical support and contact details for your local distributor please contact us



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