



# S Q U A R E   O N E

## Instructions for use

Please read and keep for future reference

**IMPORTANT WARNING** - **This product generates high voltage internally** (approx 300V) to strike the lamps. Do not operate with the back cover removed.

**Do not operate in wet conditions** - if water is present on the product, allow it to dry thoroughly before attempting to operate as damage to internal electronics can occur. In extreme circumstances there is a potential shock hazard if water has got into the product or is present on the lampholders.

### BARN DOORS

The SQUARE ONE is supplied complete with removable reflective barn doors. When opened to an angle of approximately 30 degrees from vertical (as indicated by attaching the supplied reflective fabric corners to all barn doors) the peak output can be increased by approximately ½ stop. The reflective barn doors can also be used to vary the beam spread.

### LAMPS

Before using the SQUARE ONE, ensure that there is no damage to the lamps, and that lamps are correctly in their holders. Lamps are fitted by inserting into the slot in the top of the lampholder, and rotating through 90 degrees. Note that lamps will rotate through 360 degrees, and positioning lamp pins at 90 degrees to the slot is important to provide the correct electrical contact with the holder terminals.

Lamps for the SQUARE ONE are available as high colour rendering in either Daylight colour balance (5400K – ref. L8954) or Tungsten balance (3200K – ref. L8930). Alternative brands and colours of directly equivalent 8W lamps can be used, but if mixing lamps they should only be used in matched pairs.

Lamps should be group replaced after approximately 4000 hours (roughly 2-3 years of heavy use). Note that lamps will generally function for much longer, but burning time is suggested in order to maintain both intensity and colour balance.

## INPUT POWER

This product comes complete with a universal power supply that is suitable for use on any 100-240V 50/60 Hz mains supply. If using any alternative power supply it needs to be rated at 6A or above.

**Connector polarity is important, and is configured as centre positive.**

The SQUARE ONE is designed to run on voltages between 11V and 17V without a variation in output. This allows for being powered from car batteries, as well as 'V' mount and 'Gold' mount camera batteries. We offer a 'V' mount and also a 'Gold' mount accessory to allow direct mounting to the back of the SQUARE ONE.

## OPERATION

Connect a suitable power source as specified above to the inlet socket. Ensure that the dimmer control is at maximum before switching on. Lamps will start, and it is recommended to allow approx one minute for lamps to warm up before adjusting output as required using the dimmer. The dimmer control is designed to allow for a one stop reduction in output when fully dimmed.

## MAINTENANCE

To ensure maximum output, reflectors should be kept free from dust and dirt using a clean dry cloth. Lamps should be replaced if damaged, or in line with usage recommendations as above.

Further technical information if required is available from Photon Beard Ltd as below.

## CONFORMITY



Photon Beard products conform to appropriate European standards.

## RoHS

Photon Beard products do not contain more than the maximum permitted levels of hazardous substances as laid down in the European directive on the restriction of use of certain hazardous substances

## WEEE



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