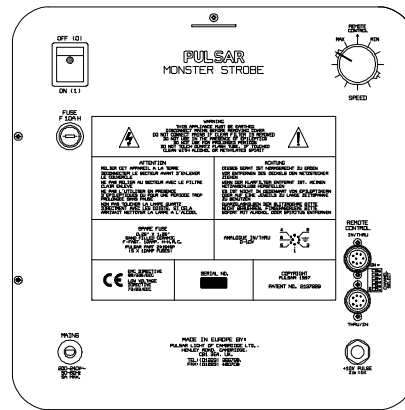
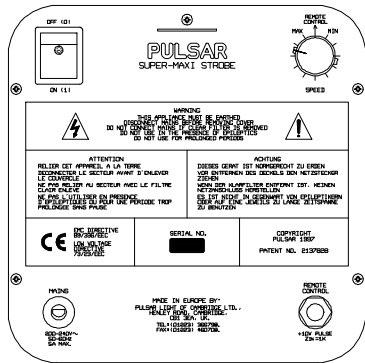


STROBE RANGE



SPECIFICATION

21300	- SuperMaxi Strobe	200-240Volts
20700.1	- Jumbo Strobe	200-240Volts
20700.2	- Jumbo Strobe	100-130Volts
28600	- Monster Strobe	200-240Volts

The Pulsar Strobe range consists of the **SUPERMAXI**, **JUMBO** and **MONSTER**. All Pulsar Strobes can produce astonishingly dramatic effects - particularly when used on their own in the dark.

The ultimate Strobe effect is to use the Pulsar Rainbow Strobe/Chaser to drive a number of Strobes with different colour filters so each frozen image is a different colour.

BACK PANEL CONNECTIONS

MAINS SUPPLY - The mains voltage required is marked on the back panel. All three Strobes are available in 200-240 VAC 50-60Hz, 5 Amp models. The Jumbo Strobe is also available in a 100-130 VAC 50-60Hz, 5 Amp model. The mains lead of the 110V model is fitted with a 'U' ground plug. All models must be earthed.

We recommend the use of a Residual Current Circuit Breaker. The mains cable should be fitted with a suitable approved and rated plug. Note: in some countries it is a requirement that such a plug be fitted by a qualified electrician.

CABLE COLOURS

Green/Yellow	=	⏏	Earth / Ground
Brown	=		Live / Phase / Hot
Blue	=		Neutral

WARNING - THIS APPLIANCE MUST BE EARTHED



MAINS FUSE - Failure of this fuse usually indicates an internal fault and servicing by a qualified engineer will be required. If a fuse blows, locate and rectify the fault before replacing it.

The Monster Strobe has a 10A, F-Fast, 0.25" x 1.25", Ceramic, HRC fuse mounted on the back panel.

The SuperMaxi and Jumbo Strobes have a 5A, F-Fast, 5x20mm, Ceramic, High Rupture Current (HRC) fuse mounted on the internal circuit board. Replacement of this fuse must only be carried out by suitably skilled and competent persons. **DISCONNECT THE MAINS SUPPLY.** before removing the four screws holding the front panel to gain access.

ELECTRONICS ON/OFF SWITCH With built-in Indicator Neon. This Double Pole Switch controls the power to the electronics.

SPEED CONTROL - The speed control varies the flash rate between approximately one flash every two seconds to 16 flashes per second.

REMOTE CONTROL - A jack socket on the Super/Maxi and Jumbo strobes, and also the 2 Din sockets (In and Thru) on the Monster Strobe, allow connection from a controller eg. a Pulsar 1/2/4/8 Channel Rainbow Strobe/Chaser, Strobe Remote Controller, Touch Panel or Masterpiece. To select remote control, click the speed control to the "off" position and connect to a controller using a standard mono jack to jack lead (or a standard Din to Din lead if using a Monster Strobe). The DIL switch on the Monster Strobe is used with the DIN input to allow a selectable channel (or channels) to remotely flash the Strobe, the thru DIN socket can be used to link through to other strobes and/or packs

SAFETY CHAIN - A safety chain of suitable length and strength (Pulsar part no. 60030/1) **must** be securely fixed between the safety chain fixing point - above the word Pulsar on the back panel, and the mounting surface.

LIGHT OUTPUT

Light Output - Our patented circuit doubles the energy per flash (measured in joules or watt seconds) each time the speed is halved thus keeping the flash tube running at its rated wattage. So at 4 flashes per second, each flash is 4 times more powerful than at 16 flashes per second and the total light output remains the same regardless of speed. This means that at low speeds even our SuperMaxi Strobe is as bright as some of our competitors' most powerful models!

Power Ratings:	Watts	Joules/flash at 16 flashes/sec.	Joules/flash at 4 flashes/sec.
Super Maxi	20	1.25	5
Jumbo	60	3.75	15
Monster	180	11.25	45

Note: This is the actual energy delivered to the tube. Some less scrupulous suppliers quote the energy taken from the mains - which can be considerably greater. Others even quote the totally irrelevant figure of the maximum joules that the tube can withstand for a single flash without exploding -1000 joules for example - which is meant to impress you but says nothing about the power actually delivered to their tube!

PULSAR LIGHT OF CAMBRIDGE LIMITED

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REGISTERED IN ENGLAND 1300636

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To compare the wattages quoted in the Power Ratings table with ordinary tungsten light bulbs, please remember that a xenon flash tube is many times more efficient.

OTHER INFORMATION

Monster Strobe only - the Monster Strobe contains a thermal protection circuit. This may activate, particularly if the Monster Strobe is mounted pointing straight downwards, and operated continuously, at high ambient temperatures, after 5 to 10 minutes. After this time, if you continue to run the Monster Strobe, the protection circuit will periodically inhibit operation to prevent overheating.

Clear Filter (SuperMaxi and Jumbo only) - To avoid scratching the clear plastic front filter, a protective paper/plastic covering is used whilst in the factory and in transit. This may still be in place and must be removed before use. It is best to slacken then re-tighten the four filter screws to do this.

Clear Filter (Monster only) - This is made of toughened safety glass.

Colour Gels - There are three secondary colour gels supplied: yellow, magenta and cyan. The three primary colours (red, green and blue) may be obtained by using two secondary colours together.

Stand - The stand is wide enough to be used for floor mounting but it also has 'key holes' for wall mounting and for trussing clamps. Slacken the knobs before rotating the body.

Reflector - The light output is also heavily dependent upon the quality of the reflector. For this reason and because Pulsar are a quality company, we use the very best Super-Pure Aluminium to make our reflectors. This ensures the very highest reflective efficiency. We want your reflector to be a shiny as possible not just when new but throughout its life so immediately after polishing the surface we anodise it to protect it.

Parabolic Shape - The parabolic shape we have chosen for the reflector gives you a focused beam allowing you to highlight anything you choose. Should you want a flood effect rather than a spot, you could put diffusion gel on the front of your Strobe. This gives you the choice - but note: someone who buys a Strobe manufactured with a cheap reflector which produces a flood, can never gather its light back up to produce a spot.

Maintenance of Light Output - Should the Reflector or Clear Front Filter become dirty, disconnect your Strobe from the mains supply, remove the front filter and simply wipe the reflector and filter surfaces to restore your Strobe's original performance. Refit the clear filter before reconnecting the mains supply.

Precautions - Do **NOT** use in the presence of epileptics or for too long at any one time. • Do **NOT** connect to the mains with the clear filter removed.



Flash Tubes - Pulsar flash tubes have been carefully chosen for their long life and reliability. The tubes typically last about five million flashes which is equivalent to about 100 hours at full speed.

Tube replacement: This should only be carried out by suitably skilled and competent persons. Disconnect from mains, and simply plug in Tube. Tubes can be obtained from your dealer or direct from Pulsar.



Take care not to handle the Quartz envelope of the Monster Strobe flash tube - if touched it should be cleaned with alcohol. The Monster tube has a skirt of white silicone rubber to prevent very hot air from entering the body of the Strobe.



MAINS CABLE REPLACEMENT - This modification should only be carried out by suitably skilled and competent persons.

Important - The earth wire must be longer than the live and neutral wires so that the earth will always be the last wire to come off if the cable is pulled from the unit. Ensure the outer sheath covering the live and neutral wires is within 15mm of the live and neutral tags on the switch. Replace the cable ties (Pulsar Part No.4267) which were removed to allow replacement.

PORTABLE APPLIANCE TESTING - The Pulsar Strobe Range may be safely Earth Bond and Insulation (500V) Tested.

STANDARDS - The Strobe Range complies with the following International and National Standards:

Electrical Safety - IEC65, EN60065, BS415

EMC - EN50081-1, EN55022, EN50082-1

Index of Protection - IP20



Marking Directive 93/68/EEC - The Strobe Range meets both the EMC Directive 89/336/EEC and the Low Voltage Directive 73/23/EEC.

GUARANTEE - 12 months from the date of original purchase. The guarantee is limited to parts and labour. The guarantee is void if the unit is mis-used, repairs are performed by unauthorised persons, or the incorrect type of fuse has been used. In the unlikely event of a fault occurring, do not use without repair. Return the unit, with a description of the fault, to your supplier or direct to Pulsar for immediate attention.

ACCESSORIES

The following products have been designed to work with and compliment the Pulsar Strobe Range. Please contact us to receive further details of these superb products.

Controllers

Product No.	Controller
21000	Single Channel Strobe Remote Controller.
20450	1/2/4/8 Channel Rainbow Strobe/Chaser.
26000.3	Programmable Touch Panel II.
23000	48 Channel Masterpiece Control Desk.
24000	108 Channel Masterpiece Control Desk.

Signal Processing

Product No.	Processor
27400	18 Channel Switching Interface.

Spare Parts

Product No.	Accessory
24180	SuperMaxi Strobe Tube with Base.
24181	Jumbo Strobe Tube with Base.
23030	Monster Strobe Tube with Base

DIMENSIONS AND WEIGHTS

Code	Unit	Voltage	Width	Height	Depth	Weight
			mm.	mm.	mm.	kgs.
21300	SuperMaxi	200-240	202	222	125	2.4
20700.1	Jumbo	200-240	294	308	125	4.1
20700.2	Jumbo	100-130	294	308	125	5
28600	Monster	200-240	293	348	185	6