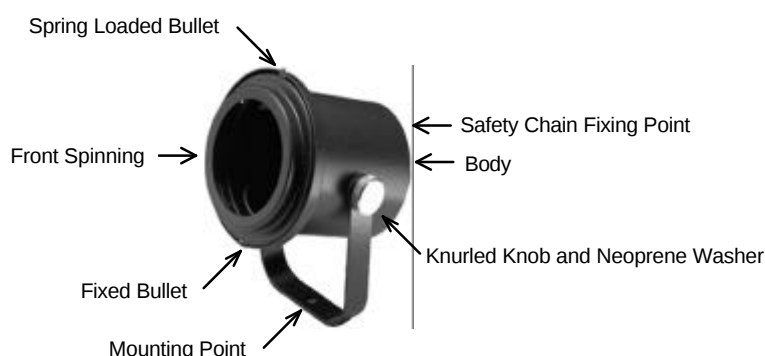


PAR36 PINSPOT



SPECIFICATION

22400.1	- PAR36 BLACK	PINSPOT (No Stand)
22400.2	- PAR36 BLACK	PINSPOT (With Stand)
22400.5	- PAR36 GOLD	PINSPOT (With Stand)
22400.7	- PAR36 CHROME	PINSPOT (With Stand)
22402	- PAR36 WHITE	PINSPOT (With Stand)
23200	- PAR36 BLACK	QUAD PINSPOT BANK
23202	- PAR36 WHITE	QUAD PINSPOT BANK

The "fit and forget" Pinspot is fitted with a solid state fuse, which gives complete protection without tripping unnecessarily. In the event of the fuse tripping, disconnect the power to the Pinspot, wait for one minute and re-connect the power. Normal operation will resume, providing the fault condition is no longer present.

The Pinspot offers two possible lamp voltages - 6.0V for high brightness intermittent use giving a nominal lamp life of 250 hours, and 5.1V for continuous use giving a nominal lamp life of 2500 hours.

Filter Kits containing three secondary colour gels are available, these fitting between the lamp and the front spinning. The three primary colours (red, green, blue) may be obtained by using two secondary colours together.

Accessories include a 6V 30W PAR36 Lamp (80004), Filter Kit (22400.3), and the Colour Wheel (23500).

BACK PANEL CONNECTIONS

MAINS SUPPLY - 230VAC ~, 50-60Hz, 35W Maximum.

The mains cable should be protected by a fuse with a maximum rating of 5A.

The mains cable should be fitted with a suitably approved and rated plug.

Note: in some countries it is a requirement that such a plug be fitted by a qualified electrician.

We recommend the use of a Residual Current Circuit Breaker.

CABLE COLOURS

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

WARNING - THIS APPLIANCE MUST BE EARTHED

INSTALLATION

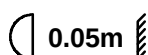


INSTALLATION should only be carried out by suitably skilled and competent persons.

The Pinspot must be securely mounted. A mounting point hole, suitable for an M10 bolt, is provided in the handle.



As the heat generated by the Pinspot is relatively low, no special precautions are required with regard to normally flammable surfaces.



0.05m

The Pinspot must be a minimum distance of 0.05m from lighted objects.

Colour Filters (100mm diameter) may be inserted between the front spinning and the lamp in the front of the unit.

LAMP INFORMATION

Any 6V PAR36 lamp up to 30W rating may be used.

LAMP REPLACEMENT AND VOLTAGE SELECTION

- This should only be carried out by suitably skilled and competent persons.

Disconnect from the supply and allow the Pinspot to cool before replacing the lamp or changing the lamp voltage.

1. Depress the spring loaded bullet retaining the front spinning, and remove the spinning (complete with any fitted accessories) and any colour filters fitted,

Warning: the lamp is no longer retained and will fall free.

2. **Lamp replacement:** the lamp wiring is connected to the lamp by spade connectors, loosen the two screws on the rear of the lamp to disconnect, insert the spade connectors under the heads of the screws on the new lamp and securely tighten the screws,

3. **Changing lamp voltage:** voltage selection (5.1V or 6.0V) is achieved by simply moving the connector from the 5.1V transformer tag to the 6.0V transformer tag (or vice-versa) as labelled on top of the transformer,

4. Place the new lamp in the body (taking care not to trap the lamp wires) and re-fit the front spinning (complete with any fitted accessories) by locating the fixed bullet in one of the body slots and the spring loaded bullet in the other slot.

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REGISTERED IN ENGLAND 1300636

QUAD PINSPOT BANK

Connections are made using the **In (P957/P)** and **Thru (P552)** Bulgin plug and socket provided on the base.

PIN CONNECTIONS FOR THE QUAD PINSPOT BANK			
Both IN and THRU Multiway Sockets			
Pin 1	 Earth/Ground	Pin 5	Channel 4 / Treble live
Pin 2	Channel 1 / Bass live	Pin 6	Not used
Pin 3	Channel 2 / Tenor live	Pin 7	Linked
Pin 4	Channel 3 / Alto live	Pin 8	Neutral

For your safety it is important that the lead from the controller supplying mains voltages only connects to the **In** socket, the **Thru** socket is solely for providing power to the **In** socket of a subsequent bank.

A maximum of 20 Quad Pinspot Banks may be "looped-thru" by utilising the **In** and **Thru** sockets. Suitable 1m, 5m and 10m multiway leads are available from Pulsar - see **Accessories**.

OTHER INFORMATION

Recessed Mounting - the Pinspot may be recessed; for example, within a ceiling.

Disconnect from the supply and allow the Pinspot lamp to cool before proceeding.

- Depress the spring loaded bullet retaining the front spinning, and remove the spinning (complete with any fitted accessories) and any colour filters fitted,
Warning: the lamp is no longer retained and will fall free
- Remove and store, the knurled knobs (2), mounting handle, and neoprene washers (2) located on either side of the body,
- The required aperture diameter is 109mm, with three fixing holes, 120 degrees apart, on a 58mm radius from the centre of the aperture.
- Place the lamp in the body (taking care not to trap the lamp wires) and re-fit the front spinning (complete with any fitted accessories) by locating the fixed bullet in one of the body slots and the spring loaded bullet in the other slot,
- Re-connect the supply cable.



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.

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

STANDARDS - The Pinspot and Quad Pinspot Bank comply with the following International and National Standards:

Electrical Safety - EN60598-1, EN60598-2-6



Marking Directive 93/68/EEC - The Pinspot and Quad Pinspot Bank meet 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 or repairs are performed by unauthorised persons. 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.

DIMENSIONS AND WEIGHTS

Code	Unit	Width	Height	Depth	Weight
		mm.	mm.	mm.	kgs.
22400(2).1(4/5/	PAR36 Pinspot (inc. stand)	140	190	165	1.4
23200/2	PAR36 Quad Pinspot Bank	775	230	170	8.0

COLOUR WHEEL FITTING INSTRUCTIONS



23500 - BLACK COLOUR WHEEL

23502 - WHITE COLOUR WHEEL

These units, which provide continually changing colours, are fitted to the front of the Pinspot as follows:

Disconnect from the supply and allow the Pinspot lamp to cool before installing the Colour Wheel.

- Depress the spring loaded bullet retaining the front spinning, and remove the spinning (complete with any fitted accessories) and any colour filters fitted,
Warning: the lamp is no longer retained and will fall free
- Remove the adaptor plate (attached by three M3 bolts and washers) fitted to the colour wheel motor plate. Use the inner ring of M3 nuts (fitted with bolts and washers) as a template for drilling three 3.5mm holes, 120 degrees apart on a 58mm radius, through the front spinning. Re-fit the adaptor plate to the motor plate, using the bolts and washers removed earlier, and fit the front spinning to the M3 nuts in the adaptor plate.
- Place the lamp in the body (taking care not to trap the lamp wires) and re-fit the front spinning and Colour Wheel by locating the fixed bullet in one of the body slots and the spring loaded bullet in the other slot,
- Re-connect the supply cable.

The Colour Wheel requires a supply of 230VAC~, 50-60Hz, 0.01A.

ACCESSORIES

Also available for the Pulsar Pinspot and Quad Pinspot Bank

Product No.	Accessory
80004	PAR36 6V 30W Lamp
22400.3	PAR36 Filter Kit
23500	Black Colour Wheel
23502	White Colour Wheel

Product No.	Cable
22300	Bulgin Multiway Lead - 1m (P551 to P956/S)
22300	Bulgin Multiway Lead - 5m (P551 to P956/S)
22300	Bulgin Multiway Lead - 10m (P551 to P956/S)

PULSAR also manufacture a comprehensive range of Strobos, Dimming and Switching Packs (in Truss, Wall or Rack Mount Format), Effects Controllers, Lighting Desks and Splitter Blocks. Please contact us to receive further details of these superb products!