

Replacement Parts

Should you require replacement parts for your lamp, it is essential that only the correct spares are purchased from your stockist.

PART DESCRIPTION	REFERENCE NUMBER
Fron lens for Megastar	SPMEGALENS
Printed Circuit Board	SPMEGAPCB
Fluorescent Tube 36W	BU36W
12Vx24A/h Dry Lead Acid Battery	BA12X24
12Vx24A/h Power Pack Complete	PP12X24MEGASTAR
5Amp Rapid Mains Charger	CH12X5MEGASTAR

Guarantee

Nightsearcher products have been carefully tested and inspected before shipment and are guaranteed to be free from defective materials and workmanship for a period of 12 months from the date of purchase, provided that the enclosed instructions have been followed.

Should you experience problems with your Nightsearcher product, please return the complete item including charger to your purchase stockist or contact Nightsearcher Ltd, at the address below.

If upon inspection it is found that the fault occurring is due to defective materials or workmanship repairs will be carried out free of charge. This guarantee does not apply to normal wear and tear, nor does it cover any damage caused by misuse, careless or unsafe handling, alterations, accidents, or repairs attempted or made by any personnel without prior approval from Nightsearcher Ltd. Bulbs are a consumable and are not covered by this guarantee.

Your Nightsearcher guarantee is not effective unless you can produce a dated receipt of purchase.

Please note that this guarantee does not affect your statutory rights



Safe disposal of waste electrical products, batteries and bulbs

If at any time in the future you should need to dispose of this product or any part of this product: Please note that waste electrical products, batteries and bulbs should not be disposed of with household waste. Please recycle where facilities exist, please check with your local authority for recycling advice.

Nightsearcher Ltd



MEGASTAR

USER INSTRUCTION MANUAL



NIGHTSEARCHER LIMITED

Applied House, Unit 4, Fitzherbert Spur, Farlington, Portsmouth,
Hampshire, PO6 1TT, United Kingdom
Tel. 0044 (0) 23 9238 9774 / Fax. 0044 (0) 23 9238 9788
www.nightsearcher.co.uk

Your Megastar floodlight is designed to provide you with long duration powerful floodlighting that will meet most outdoor and indoor lighting requirements where there is no mains power available. It is free of trailing cables, quiet running and quickly installed

There are two selectable light output levels:

- A 1000 watts tungsten equivalent flood beam of up to 2 hours duration
- A 500 watts tungsten equivalent flood beam of up to 4 hours duration

The battery can be fully recharged from an empty state in only 6 hours using the specialist charger. Please note that the battery can be left on charge indefinitely with NO risk of overcharging

The tripod will extend the lamp head unit to a maximum height of 3.5 metres, whilst the very wide spread of the tripod feet gives a high degree of stability

Product set up hints

It is normal to place the pole of the tripod base directly into the power pack receptacle as this enhances stability (this can be further improved by using optional ground stakes). When the Megastar is to be used on a very uneven surface it may be necessary to put a pad of material under one or more of the feet to obtain maximum stability. If the surface is soft it might be possible to gently press one or more of the feet into it.

Insert lamp head into tripod and secure. Raise lamp and tripod by extending top part of telescopic tripod first and secure. Continue with 2nd part of telescopic tripod and secure.

When extending or retracting the tripod sections the user should always grasp the sliding element firmly before either tightening or loosening its securing thumbscrew in order to avoid the possibility of the sliding element dropping without warning. When lamp head is at required height and unit is stable, connect cable lead to power-pack and switch on.

Always spread the tripod feet to their maximum extent

The excess cable should be neatly coiled within the tripod footprint

Maintenance hints

Always return the battery unit to charge after each and every use; it cannot be overcharged

To access the fluorescent tubes, simply slip off the rubber waterproof edging on the light head, undo the screws and remove the lens front. When replacing the waterproof edging, make sure that it is properly re-seated

If the battery requires replacement it can be done by the user. Alternatively, your local electrician can help you. If in doubt please contact your supplier, or Nightsearcher Ltd.

Nightsearcher Megastar Charger

The powerful Megastar charger features unique "microchip control" to give the safest, most consistent charge possible - no "gassing" and no over- or under-charging.

Input - 240volts AC, 50 Hz

Output - 12volts DC nominal, at 4 amps DC (7 A RMS.)

(Optional multi charger available – CH5WAYMEGASTAR)

(Optional single 16Amp charger available to enable use of the lamp whilst also charging the battery – CH16AMEGASTAR)

Battery recovery - The charger is capable of successfully recharging batteries discharged to 1.5v.

Switch on delay - At the start of the charge, there is a delay of approximately two seconds to prevent arcing at the battery connections.

Indication - The red LED indicates that the charger is connected to the mains (240V). The two yellow LED's indicate the state of charge (see below) and the green LED shows when the battery is ready for use.

Control of the charge - The charger is a three stage fully automatic design, which provides fast charging and extended battery life. All functions are controlled by a custom designed Microcircuit. The three-stage charge sequence is determined by, and is fully interactive with, the condition of the battery - at zero cross over, at all times. The microcircuit also gives the charger the ability to sense only true battery voltage, which eliminates any error due to the effect of charging current and the drop of the voltage in the wire.

Stage One (1st Yellow LED): Boost Charging

In this stage the charger applies constant current of 4 A DC to 12V, and thereafter-taper charge to attain optimum battery volts. At this time, the charger automatically proceeds to stage two.

Stage Two (2nd Yellow LED): Final Charging

In this stage the charger applies constant voltage charge to 14.8V (2.46 volts per cell) and maintains this voltage until the charge current tapers to less than 0.8A. At this time, the charger automatically proceeds to stage three.

If a permanent load is applied in parallel with the battery, or if the battery is very 'big' relative to the charger, the current may never go below this 0.8A and then the charger will never go to the next stage.

Stage Three (Green LED): Charging Completed

In this constant voltage mode, the charger maintains the battery at 13.8V (2.3 volts per cell) ensuring that only standing losses are replaced. The charger may be left connected until the battery is required for use.

The 12v mains charger is CE Rated and should only be used indoors.