

STAR



RESEARCH ENGINEERS LIMITED



Features

- Fully automatic operation. Smart chip senses daylight and controls ON/OFF switching automatically.
- Discharge lasts up to 6 nights.
- Recharge from flat in 8 hours.
- Low battery indication - light flashes 24/7 in low-charge state for 10 days.
- Smart charger technology means STAR lights can be left on charger indefinitely without harm.
- Contact free charging - safe, clean and reliable.

More Features

- Polycarbonate body and lens - will not rust, rot or crumble.
- Stable – will not blow over.
- Extremely long life LED light source.
- Available in all aviation ground lighting colours.
- Reflective strip indicates colour of light emitted.
- Rope handle for easy deployment.
- Zero maintenance.
- Australian designed, manufactured and assembled.



STAR LIGHT OPERATING INSTRUCTIONS

Simply pick up the light from the charger and drop it where you need it. STAR lights are controlled by an on-board computer, so operation is fully automatic.

THE MAGNETIC CONCEPT

STAR lights are charged through a magnetic coupling made when the light sits in a bay in the charger. This means they are free of plugs, sockets leads or anything else that can corrode and deteriorate in the weather.

So you don't have to worry about polarity and you'll never have to fix a broken lead or a bent pin. Just drop the light onto the charger and see the green indicator go on.

It's that easy.

CHARGING

Plug the charging station into the mains power outlet and switch on. Leave it switched on permanently.

Sit the STAR light in one of the bays. It will be fully charged within 8 hours.

The smart charger monitors and manages the charge rate, so the light can be left on the charger indefinitely.



DISCHARGING

Put the light where you need it. It will turn on automatically at dusk and off again in the morning.

When the main light starts to flash, charge the battery again.

Condition	Main Light	Red Indicator	Green Indicator
Light on charger, battery is charging	OFF	Flashing	ON
Light on charger, battery is now fully charged	OFF	ON	ON
Light off charger, in daylight conditions	OFF	Flashing	OFF
Light off charger, dusk and night time	ON	Flashing	OFF
Off charger, less than one night battery available	Flashing	Flashing	OFF
Battery exhausted	OFF	OFF	OFF

STAR

Compliances:-

International Civil Aviation Organization

Annex 14 Vol 1, Ch 5, paragraph 5.3.2
Emergency Lighting

Federal Aviation Authority

Advisory Circular AC150/5345-50
Specification for Portable Runway Lights

Air Standardization Coordinating Committee

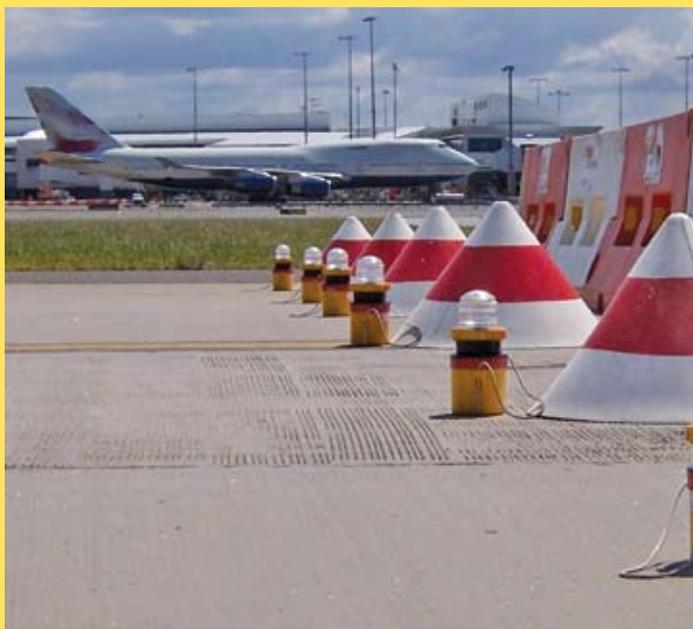
Air Standard 90/20
Portable Airfield Lighting Systems, Type A

Civil Aviation Safety Authority Australia

Manual of Standards Part 139, Chapter 9.1.10
Portable Lighting

Australian Defence Force Publication

ADFP 602 Aerodrome Design Criteria
Part 5, Chapter 8, paragraph 806 and Annex A
Portable Lighting for Aerodromes, Type A



Dimensions

(6 lights + charging stand)

Length: 960mm

Width: 210mm

Height: 370mm

Weight: 32.45kg

(Individual lights 4.25kg each)

Colour	Stock Code
Red	WORKSTAR
Blue	TAXISTAR
White	RUNWAYSTAR
Green	THRESHOLDSTAR
Yellow	HOLDSTAR

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