

INTRODUCTION

Thank you for purchasing the PAR⁴ lighting fixture. This manual contains important information about safe installation and use of this fixture. Please read and follow these instructions carefully and keep this manual for future reference.

The PAR⁴ is suitable for stage, disco, night club, and other artistic applications.

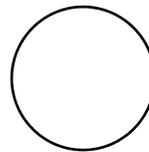
The housing is a high quality aluminum alloy with an insulating paint finish.

The PAR⁴ includes a lens rotation ring to enable beam adjustments. A gel filter holder is also provided. The product complies with CE norms and standards.

The fixture is supplied with four interchangeable high quality lenses to cover various lighting applications.

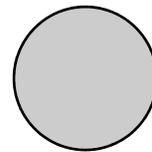


VNS Very Narrow Spot



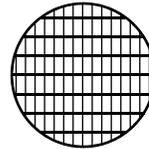
Clear Lens
Aprox. 15° Beam

NS Narrow Spot



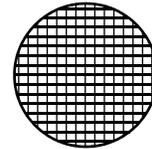
Diffused Lens
Aprox. 19° Beam

MF Medium Flood



Oval Beam
Aprox. 20° X 35°

WF Wide Flood



Oval Beam
Aprox. 30° X 50°

SAFE USAGE

Disconnect the fixture from the power when it is not in use, before cleaning it, or before any maintenance.

The fixture must be located a minimum of 1.5 meters from flammable materials.

Do not touch any part of the fixture during operation. It can operate at temperatures which can cause severe burns.

Avoid direct exposure to the light from the lamp. The light can be bright enough to harm the eye.

Keep the lamp and lens clean. Do not touch the lamp glass and lens with bare hands.

Do not operate the lamp unless the lamp holder is installed in the fixture.

Replace the lamp if it becomes damaged or deformed.

Replace the lens if it becomes cracked or scratched.

Do not project the beam onto nearby flammable surfaces. The minimum distance is 5 meters.

INSTALLATION

MOUNTING



CAUTION RISK OF FIRE
The fixture must be located a minimum of 1.5 meters from flammable objects.

Make sure that all power is disconnected from the fixture before proceeding.

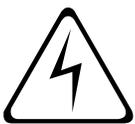
The fixture is for INDOOR USE ONLY. Use only in dry locations. Keep this device away from moisture, excessive heat, humidity and dust. Do not mount the fixture directly on or to a flammable surface. Maintain a 1.5 meter clearance from flammable objects.

The fixture must be installed in a location with adequate ventilation, at least 1.5 meters from adjacent surfaces. Do not allow vent holes to be blocked.

This unit is designed to be hung via its yoke using M12 or 1/2" size bolt. Ensure that the fixture is firmly attached to avoid vibration and slipping. Ensure that supporting structure is able to support the weight of all fixtures installed. The unit should also be secured with a safety cable through one of the holes on the yoke.

To adjust the tilt angle of the body, loosen the yoke locking knob and adjust as needed. Ensure that the locking knob is tightened down when finished.

POWER CONNECTIONS



CAUTION - RISK OF ELECTRIC SHOCK
The fixture must be correctly grounded and must be installed to comply to all applicable regulations.

The unit is supplied with a power cable and may be provided with a power cable connector. The GREEN / YELLOW conductor in the power cable is connected to the fixture case as a safety ground. This conductor must be used if installing a alternate cable connector.

LAMP REMOVAL / INSTALLATION

The PAR⁴ fixture uses a OSRAM GLA/575 or GLE/750 (G9.5 Base) lamp. Before installing a lamp verify that the lamp is compatible with the voltage at your facility. Operating lamps beyond their rated voltage reduces lamp life and can cause other lamp failures.

Disconnect all power from the fixture.

Allow the fixture to cool off before proceeding.

LAMP REMOVAL

1. Remove the lamp holder from the main housing using the knurled knob at the rear of the fixture.
2. Do not touch the glass envelope of the lamp. Remove the lamp from the lamp holder by pulling it straight out of the lamp holder socket.

LAMP INSTALLATION

1. Remove the lamp holder from the main housing using the knurled knob at the rear of the fixture.
2. Insert the lamp in the lamp holder socket. Do not touch the lamp glass envelope with your fingers.

Do not operate the lamp unless the lamp holder is installed in the fixture!

3. Install the lamp holder in the main housing and tighten the knob.

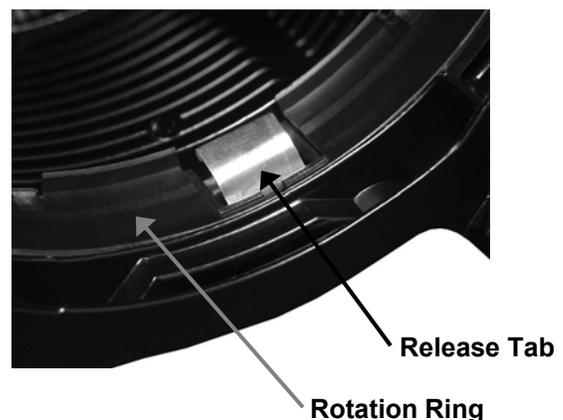
LENS REMOVAL / INSTALLATION

The PAR⁴ contains lens rotation ring which is located near the front of the housing. The lens is held in place by two small fixed tabs on one side of the lens rotation ring and a larger metal release tab on the other side.

Disconnect all power from the fixture.

Allow the fixture to cool off before proceeding.

Do not remove or install the lens while the unit is hanging up. The lens can easily fall out if released.



LENS REMOVAL

1. Place the fixture on a horizontal surface with the lens down.
2. Turn the lens rotation ring until the metal release tab is 90° away from the gel retaining clip on the housing.
3. Hold one hand under the lens and press the metal release tab to release it. Allow the lens to carefully drop out of the fixture.

LENS INSTALLATION

1. Place the fixture on a horizontal surface.
2. Turn the lens rotation ring until the metal release tab is 90° away from the gel retaining clip on the housing.
3. Slide the one edge of the lens edge under the fixed tabs on the lens rotation ring.
4. Press the other edge of the lens down until it is captured by the metal release tab of the rotation ring.

OPERATION



CAUTION - HOT SURFACES
Do not touch any part if the fixture during operation. It can operate at temperatures which can cause severe burns.

Do not operate the lamp unless the lamp holder is installed in the fixture!

The lens and gel holder must be installed when the fixture is operating.

Do not project the beam onto nearby flammable surfaces. The minimum distance is 5 meters.

The lens may be rotated to adjust beam alignment. This is done by rotating the lens rotation ring located near the front of the fixture.

Once correctly installed, the fixture may be operated by applying power via a dimmer or other compatible power.

Switching the lamp on and off at short intervals will reduce the life of both the lamp and the fixture.

MAINTENANCE



CAUTION RISK OF ELECTRIC SHOCK
Disconnect the fixture from power before handling.



CAUTION - HOT SURFACES
Allow the fixture to cool off before handling.

To ensure the reliability of the fixture it should be kept clean. The lens and reflector should be regularly cleaned to maintain an optimum light output.

Do not use any organic solvent, e.g. alcohol, to clean the housing. Do NOT use glass cleaner or any type of solvent on the reflector. When cleaning the reflector use a damp, clean, soft, lint-free cotton cloth with a mild, soapy water solution and gently wipe the reflector, and then remove any soapy water residue with a clean, soft, lint-free cotton cloth.

Do not use rough surface materials to wipe the reflector. Cleaning frequency depends on the environment in which the fixture operates. Moisture, smoke or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. It is recommended that the lens be cleaned at least once every 20 days. Clean the reflector at least once every 30 / 60 days.

TECHNICAL SPECIFICATIONS

Power Supply: 120 VAC, 60 Hz
Power Consumption: 800 Watts MAX
Dimensions: 255mm D x 280mm W x 290mm H
Weight: 4 kg
Lamp: OSRAM GLA/575 or GLE/750 (G9.5 Base)
Maximum Ambient Temperature: 45° C
Maximum Housing Temperature: 160° C



LIGHTRONICS INC. **WARRANTY** LIGHTRONICS INC.

This product is warranted for a period of TWO YEARS from the date of purchase against defects in materials and workmanship.

This warranty is subject to the following restrictions and conditions:

- A) If service is required, you may be asked to provide proof of purchase from an authorized Lightronics dealer.
- B) This warranty is valid only for the original purchaser of the unit.
- C) This warranty does not apply to damage resulting from abuse, misuse, accidents, shipping, and repairs or modifications by anyone other than an authorized Lightronics service representative.
- D) This warranty is void if the serial number is removed, altered or defaced.
- E) This warranty does not cover loss or damage, direct or indirect arising from the use or inability to use this product.
- F) Lightronics reserves the right to make any changes, modifications, or updates as deemed appropriate by Lightronics to products returned for service. Such changes may be made without prior notification to the user and without incurring any responsibility or liability for modifications or changes to equipment previously supplied. Lightronics is not responsible for supplying new equipment in accordance with any earlier specifications.
- G) This warranty is the only warranty either expressed, implied, or statutory, upon which the equipment is purchased. No representatives, dealers or any of their agents are authorized to make any warranties, guarantees, or representations other than expressly stated herein.
- H) This warranty does not cover the cost of shipping products to or from Lightronics for service.
- I) Lightronics Inc. reserves the right to make changes as deemed necessary to this warranty without prior notification.