

Evica EP+ LED Gobo Effects Projector
Issue: 7/9/23



EP20+



EP40+



EP80+

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Safety instructions and precautions

- Never look directly into the beam or shine in anyone's eyes.
- Do not block the cooling fins..
- Ensure that there is sufficient ventilation around the unit, recommended minimum 1m².
- The IP40 version of the product is designed for indoor use only and should not come into contact with water or excessive dust.
- The IP65 version is suitable for exterior use limited to water spray from all directions. DO NOT allow contact with strong water jets or to be submerged in water.
- Apart from Gobo holder and lens assembly there are no user serviceable parts inside.
- Use only approved accessories.
- Do not use this device in the presence of flammable or oxygen rich atmospheres.
- To prevent injury, this apparatus must be securely attached to the ceiling/wall.
- Use only with remote Constant Current LED drivers. 700mA Maximum. 29 - 33.8Vdc
- Connect Red or Brown core to +ve & Black or Blue core to -ve

Maximum working ambient temperature: 35°C

In hotter environments installer to install time switch or similar to ensure projector is not switched on in full daylight or excessive temperatures.

In enviroments hotter than 35°C, limit drive current to 500mA

Installation

Prior to mounting the unit please refer to the distance/spot size charts below to achieve the required image size.

Distance	Diameter of Beam					
	EP20+			EP40+ & EP80+		
	Narrow Angle 11.5°	Medium Angle 16.5°	Wide Angle 19°	Narrow Angle 17.6°	Medium Angle 24.2°	Wide Angle 28.6°
2m	49 cm	71 cm	83 cm	62 cm	86 cm	102 cm
4m	98 cm	142 cm	166 cm	124 cm	172 cm	204 cm
6m	147 cm	213 cm	249 cm	186 cm	258 cm	306 cm
8m	196 cm	284 cm	332 cm	210 cm	344 cm	408 cm

Fix the projector to selected mounting bracket by passing M10 stud or bolt through hole in stirrup and securing with nuts and washers supplied.

Operation

1. Loosen screws in side of stirrup with Torx Head Key to adjust tilt. Aim projector in desired direction and tighten stirrup screws and M10 fixing nuts to lock into position.

Connect projector cable to remote LED constant Current Driver. Ensure Driver is switched off before connecting. Switch on power to Driver and check LED illumination.

2/3. To remove Gobo Cassette, first unscrew the screws located on the underside of the projector with the Torx Head Key provided. Slide out the Gobo Cassette.

4. Remove retaining ring from the cassette, place the gobo slide into the recessed pocket in the cassette and re-insert the ring to hold the gobo in place. Orientate Gobo in appropriate position bearing in mind image will be projected inverted and reflected side to side. Then insert the cassette back into the projector making sure the rubber seal is still in place and the shiny side of the gobo slide faces the light source, check image is orientated as desired. If necessary slide holder out and rotate gobo to correct alignment. When image is projected correctly, retighten fixing screws.

5/6. To focus the projector, first remove the front plate by unscrewing the 2 screws with the provided Allen Key.

7. Insert the focusing tool provided, locating pins in tool with grooves in the lens. Then rotate the lens until image is in focus. Remove the tool. Make sure the glass in the front plate is clean with soft dry cloth and gasket is still in place (only on IP65 version). Finally replace front plate and tighten screws.



Cleaning and Maintenance

Periodically clean the front glass with a lint free cloth and a small amount of glass cleaner if necessary. Check that the exterior cooling fins are free from dust or blockages, clean with a vacuum cleaner nozzle if necessary.

Service

In case of a fault please contact info@lightprojects.co.uk

Guarantee

The Evica product range is provided with a 3 year guarantee against manufacturing and material defects when installed according to the product specification and used under recommended working conditions. Full details available on request.

Limits of the guarantee: At its sole discretion, Evica Ltd agrees to repair or replace products deemed by Evica Ltd to be defective. Evica Ltd reserves the right to replace a product with a like replacement that fulfils the same purpose. This replacement product may have graphics or finishing different from the original. It is the product users responsibility to examine the product on a regular basis to determine the need for servicing and or a replacement.

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