

# GRAND LIGHTING™

GL80\_L25 IP65 LED Gobo Projector

TABLE OF CONTENTS ..... 2

INTRODUCTION ..... 3

    Before You Begin ..... 3

    Contents ..... 3

    Safety Information ..... 3

OPERATION ..... 4

    An Overview of Your Light ..... 4

    Installation Guide ..... 4

    Focusing ..... 4

    Rotation ..... 4

OPERATION ..... 5

    Ensuring Your Light is Water Tight ..... 5

GOBOS ..... 6

    Gobo Specifications ..... 6

    Changing / Installing Your Gobo ..... 6

TECHNICAL SPECIFICATIONS ..... 7

    Photometric Data ..... 7

    Power Supply | Light source ..... 7

    Fixture Dimensions ..... 8

SERVICE AND WARRANTY ..... 10

    Standard Warranty ..... 10

    Service, Warranty Claims and Returns ..... 10

## BEFORE YOU BEGIN

- Open the contents of the box and check that the goods have not been damaged during transit.

**NOTE: You must notify us of any suspected damage within 48 hours upon receiving the goods in order for us to follow up with the freight company.**

- Check that you have received the correct goods including projector and gobo (if ordered as a package).
- If you ordered your projector and gobo as a package deal, your gobo should already be installed in the projector ready for use.

**Any claims, returns or incorrect supply must be lodged within 48 hours of receiving the goods.**

## CONTENTS

- GL80\_L25 IP65 LED Gobo Projector
- External Power Supply
- Gobo (if ordered as a package)
- Manual

## SAFETY INFORMATION

Ensure connectors are secure and fittings firmly tightened.

Most units will come supplied with a gobo, check to see the projector works for the proposed location before proceeding with the install.

Check the mounting surface is suitable to support the weight of the unit. If a safety cable must be fitted make sure to secure it to the surface mount.

The unit comes supplied with an external driver, the driver is pre set to maximise life span of the LED capsule, do not change the preset values or you will void the warranty.

To avoid losing the driver, do not disconnect it from the unit.

Always disconnect the unit from power when changing the gobo.

**WARNING: Do not cover the heat sink or driver with anything as they will need free air flow.**

**AN OVERVIEW OF YOUR LIGHT**



**INSTALLATION GUIDE**

The unit is fitted with a preset external power supply, IP65 meanwell driver, and Australian power plug. Input voltage range of 100-240 AC. A qualified electrician can run power directly to the unit or fit a wall outlet to plug the unit into.

Each unit has a metal base plate with holes suitable for mounting to a fixed point. Once the base is secured, use the locking screws on the side of the unit to point the unit in the appropriate direction, then tighten them firmly.

It is recommended to fit a safety cable to larger heavier units for additional safety.

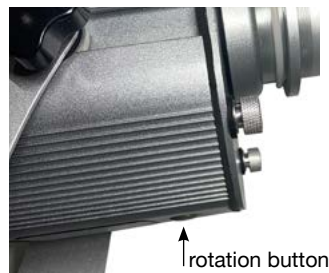
**FOCUSING**

There is a rubber seal fitted to the lens, spin the lens to achieve correct focus and then ensure the locking ring is firmly tightened to ensure no water can ingress into the unit.

**ROTATION**

The unit is fitted with a waterproof low voltage switch, which controls the rotation of the gobo. You will find the button below the front facia of the unit.

Press this button to start or stop rotation of the gobo.



## ENSURING YOUR LIGHT IS WATER TIGHT

If you remove the front lens plate, when replacing, ensure the rubber washers are fitted, then replace the metal washers and finally the thumbscrews. Do them up firm but don't overtighten them (refer image 1a below).

When you have finished focusing the light, please ensure you tighten the ring to the lamp (refer image 1b below), to ensure it remains at a good focus and is water tight.

If you do get water inside the unit, it should still function however it is important to make sure all the thumbscrews and locking rings are firmly tightened to avoid water ingress.



image 1a



image 1b

**GOBO SPECIFICATIONS**

Suitable material: Metal or Borosilicate glass

Gobo size: 53.3mm outside diameter +0/-0.3mm

Maximum image diameter: 28mm (for flat field crisp projection eg: logos) | 30mm (for soft edges, eg: breakup images)

Maximum thickness: up to 5.0mm

If in doubt please contact Gobotech - [www.gobotech.com.au](http://www.gobotech.com.au) to confirm the gobo specifications for the fixture model you have quoting the serial number.

**CHANGING / INSTALLING YOUR GOBO**

To change the gobo, firstly you need to unplug the unit from power.

Undo the thumbscrews on the front facia (refer image 2a). Be careful not to lose the black rubber seals and the metal washers.

Carefully remove the front lens plate taking care not to drop it (refer image 2c & 2d).

There is a circlip that holds the gobo in place, remove this circlip and remove the gobo and donut that is inside (refer image 2d)

Gently pinch the spring and take care as it can flick out suddenly.

Replace the gobo and re-insert the circlip ensuring you push it all way down so that the gobo sits flat (refer image 2d).

Glass gobos have a reflective mirror side and a black non reflective or white matt surface. **Glass Gobos are not reversible, they MUST be inserted with the reflective side facing the lamp.** See diagram below showing the order of inserting the gobo into the light.



image 2a



image 2b



image 2c



image 2d

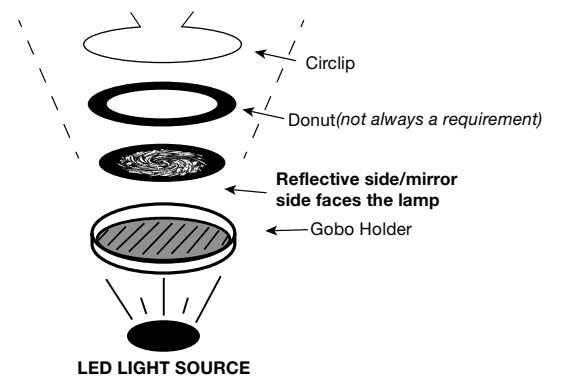


image 2e



image 2f

**The reflective / mirror side must face the LED light source**



**PHOTOMETRIC DATA**

	GL80_L25 F140 VERY NARROW LENS						
Projection Diameter (m)	0.62m	1.03m	1.45m	1.86m	2.27m	2.69m	3.10m
Luminance (lux)	5244 lux	1888 lux	963 lux	583 lux	390 lux	279 lux	210 lux
Projection Distance (m)	3m	5m	7m	9m	11m	13m	15m

	GL80_L25 F100 NARROW LENS						
Projection Diameter (m)	0.76m	1.27m	1.78m	2.29m	2.80m	3.31m	3.82m
Luminance (lux)	4091 lux	1473 lux	751 lux	455 lux	304 lux	218 lux	164 lux
Projection Distance (m)	3m	5m	7m	9m	11m	13m	15m

	GL80_L25 F70 MEDIUM LENS						
Projection Diameter (m)	1.19m	1.99m	2.78m	3.58m	4.38m	5.17m	5.97m
Luminance (lux)	1904 lux	685 lux	350 lux	212 lux	142 lux	101 lux	76 lux
Projection Distance (m)	3m	5m	7m	9m	11m	13m	15m

	GL80_L25 F56 WIDE LENS						
Projection Diameter (m)	1.50m	2.49m	3.49m	4.49m	5.49m	6.48m	7.48m
Luminance (lux)	1328 lux	478 lux	244 lux	148 lux	99 lux	71 lux	53 lux
Projection Distance (m)	3m	5m	7m	9m	11m	13m	15m

LUX values indicated are not peak values, which may be higher. We give average LUX readings taken under actual tests.

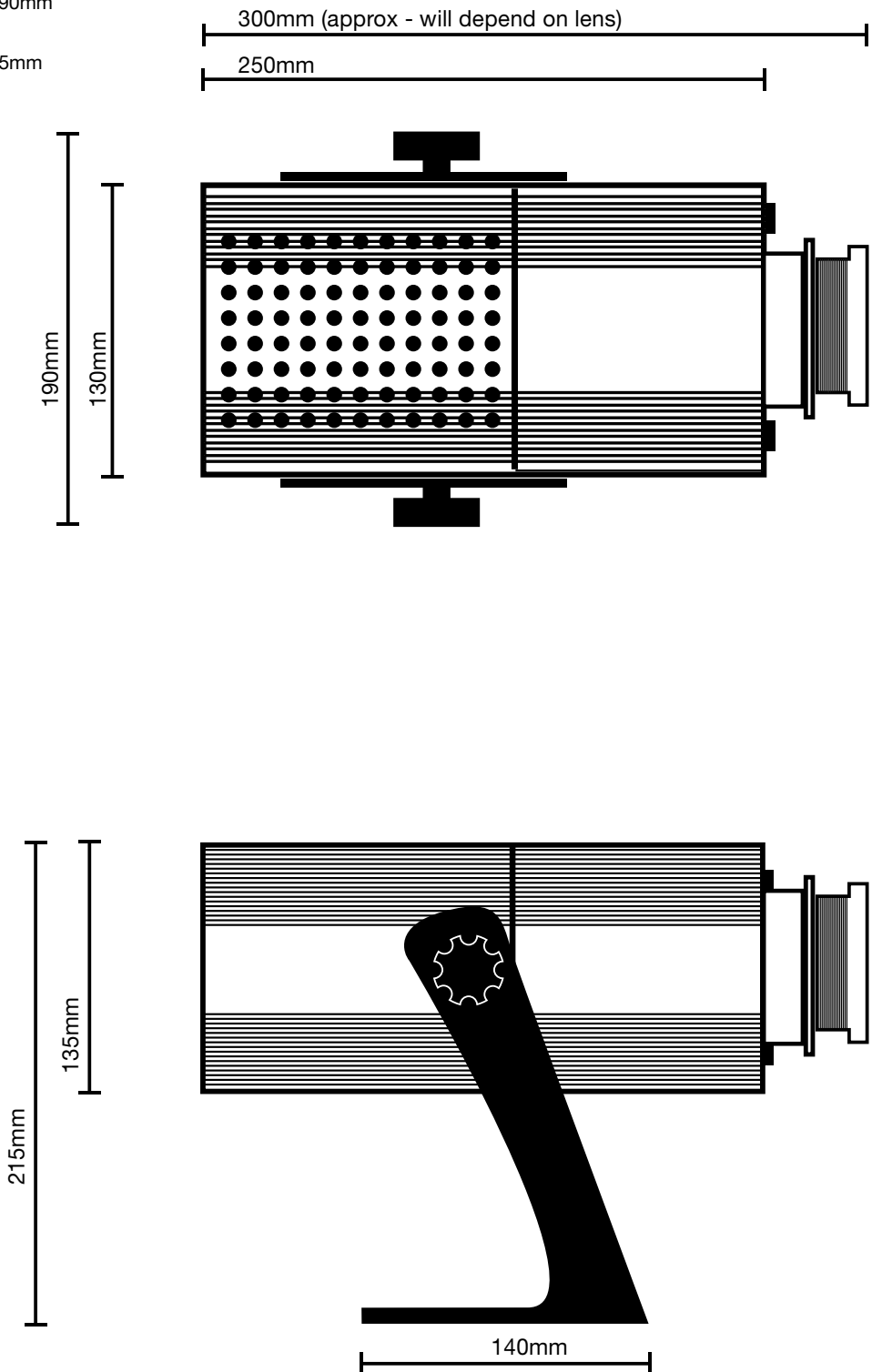
The above projection sizes are based on using a 28mm image diameter. This is what we recommend for flat field crisp projection, eg logos. You can however use up to 30mm for soft edges, eg: breakup images.

**POWER SUPPLY | LIGHT SOURCE**

- Average Power Consumption: 80Watts
- Australian standard 3 pin plug 240V AC
- External Power Supply IP65 Meanwell HLG-80H-20A: 195mm x 62mm x 38mm
- Input Voltage: 100-240V AC
- 80W CREE XHP (high power) 50,000 hr LED capsule
- Cool White LED standard (unless ordered with Warm White)

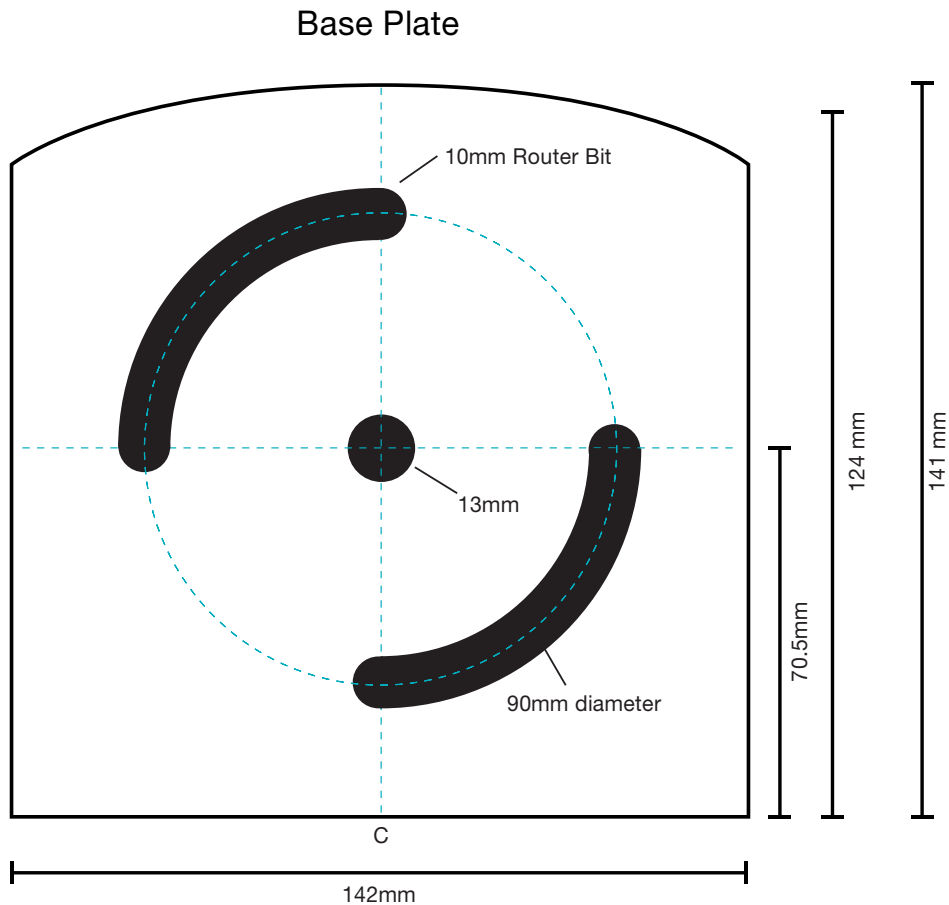
**FIXTURE DIMENSIONS**

- Length (excluding lens): 250mm
- Length (including lens): approx 300mm
- Width (with knobs) : 190mm
- Body Height: 135mm
- Height (with base): 215mm
- Weight: 2.9kg

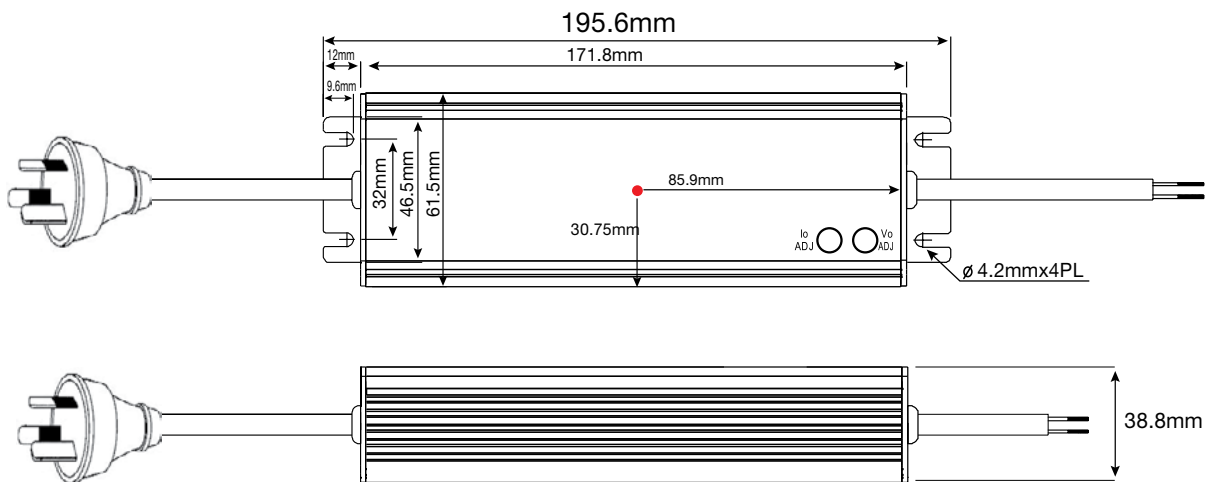




**FIXTURE DIMENSIONS CONT.**



### External Power Supply - Meanwell HLG-80H-20A IP65



**STANDARD WARRANTY**

The standard warranty applies only to Grand Lighting products sold by Gobotech Pty Ltd or its authorised resellers, or country distributors. "Standard Warranty Period" means the warranty period applicable under the standard warranty being a period of 24 months from the original date of purchase of the Grand Lighting product(s) unless specifically noted and agreed to otherwise. This warranty also applies to drivers and power supplies that Gobotech have matched and sold with the Grand Lighting product.

Gobotech Pty Ltd or Grand Lighting will not be held responsible for any loss, damage, cost or expense incurred as a result of the installation or removal of any Grand Lighting product for any reason nor does this warranty cover any Grand Lighting product that has become defective due to an accident, act of god, improper installation, power surge, unreasonable use, improper service or unauthorised modification or adjustment of drivers or other causes not arising out of defects in material and workmanship. Normal wear and effects of weather that do not affect the safety or operation of the light are not covered by this warranty.

In the event that Grand Lighting is unable to replace or repair any defective Grand Lighting product under the warranty it will use reasonable endeavours to provide an alternative of similar specification and quality. Whilst reasonable endeavours will be taken to match the light quality, LED bin and/or colour temperature of the LED's used for any replacements, it may not always be possible to do so, due to the age of the product, changes in the LED suppliers product specification and availability. In these circumstances Grand Lighting will use reasonable endeavours to offer the closest alternative available.

Replacement parts provided under the warranty are warranted on the same terms and for the remainder of the warranty period of the Grand Lighting products they are replacing or in which they are installed.

Gobotech guarantees that Grand Lighting products are free from defects in materials or workmanship under normal use during the standard warranty period.

During the standard warranty period, Gobotech will, (following prompt written notice of the issue(s) and a reasonable period for investigation) at its discretion, repair or replace either the whole Grand Lighting product or any part of it that Gobotech deems to be defective as a result of a material or manufacturing fault. Gobotech will not be in any way liable under the standard warranty in respect to any Grand Lighting product that:

- 1) Was not originally installed in accordance with:
  - a) The installation instruction supplied with, or printed on, the Grand Lighting product or published on the Grand Lighting website ([www.grandlighting.com.au](http://www.grandlighting.com.au))
  - b) The standards of good practice.
- 2) Was not installed in suitable environmental conditions (including but not limited to ambient temperature, moisture level and air flow for that particular Grand Lighting product;
- 3) Has been altered or modified in any way by third parties not authorised by Gobotech to do so;
- 4) Has been subject to misuse (including but not limited to incorrect operation by the user or connection to or operation with an unsuitable power supply);
- 5) Has been previously repaired by a person other than an authorised representative of Gobotech

The standard warranty period will only be valid if the date of purchase is confirmed by an official invoice issued at the time of purchase.

**SERVICE, WARRANTY CLAIMS AND RETURNS**

In order to make a claim under the warranty and receive the Return Authorisation Form, please contact:

**Gobotech Pty Ltd - [www.gobotech.com.au](http://www.gobotech.com.au)**

Please contact Gobotech for any items that are faulty and out of warranty to obtain a quote from our service department to either fix or replace parts where possible.

All carriage, insurance and return charges or duties are the responsibility of the customer and are not covered by the warranty. Grand Lighting products returned under the warranties should be appropriately packaged to prevent damage during transit. Any return of Grand Lighting products under the warranty is done at the sole risk of the customer and Gobotech will not be liable for any damages or losses sustained during transit.