



Information specifically for:
DL-G2R

V1.0

This manual contains important information.
Please read before operating fixture.



IMPORTANT INFORMATION

Save original packing and documentation for warranty, service and return issues.

Limited Warranty: This warranty covers defects or malfunctions in this equipment. This warranty lasts for a period of one year from date of purchase. It is the owner's responsibility to provide invoices for proof of purchase, purchase date and dealer or distributor. If purchase date can not be provided, warranty period will start at manufacture date. It is the sole discretion of Techni-Lux to repair or replace parts or equipment. All shipping will be paid by purchaser. This warranty does not cover lamps, fuses, belts, power semiconductors, relays, cleaning, standard maintenance adjustments or normal wear items or any problem resulting from the following: improper wiring, incorrect voltage (including low or over voltage conditions and lightning), abuse, misuse, improper maintenance or an act of God or damage resulting from shipping. Warranty will be null and void if the product is altered, modified, misused, damaged, or subjected to unauthorized repairs. Lamps are covered by relevant manufacturer warranty. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Any liability for consequential and incidental damages is expressly disclaimed. No other warranty, expressed or implied is made. Techni-Lux liability in all events is limited to, and shall not exceed, the purchase price paid.

Returning equipment and Repairs: All returns must be accompanied by a Return Merchandise Authorization (RMA) number and sent pre-paid. Contact the dealer or Techni-Lux directly to obtain an RMA. The RMA number must be clearly listed on the shipping label. Due care must be exercised in packing all merchandise to be returned. All repairs must be accompanied by a written explanation of the claimed problem or error encountered. Techni-Lux is solely responsible for determining a product's eligibility for coverage under warranty. If returning for consideration of credit, all accessories and documentation, original protective material and cartons must be included and the equipment, packing and carton must be in new resalable condition. Credit for returned merchandise will be issued at the lowest current price and is subject to a restocking fee. No returns accepted on discontinued items. Techni-Lux is not responsible for merchandise damaged in transit and reserves the right to refuse any return that is damaged by the carrier, not accompanied by a Return Authorization Number (RMA#) or sent by freight collect.

Claims: All claims must be made within seven (7) days of receipt of merchandise. Any physical damage must be reported to carrier upon receipt of merchandise.

Please record the following information for future reference:
Model Number: DL-G2R

Serial Number: _____

Dealer: _____

Date of Purchase: _____

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Specifications

Fixture Overview

- Light Source: 30 W White LED
- Beam Angle: 17 degrees
- Stand-alone / IR remote
- Manual adjustment focus
- Smooth dimming (16-bit, 4 dimming curves for options)
- Variable Speed Gobo rotation in both directions
- 32-bit MCU, high refresh rate, flicker free for HD camera
- Easy access for gobo replacement
- Uses standard size E gobos at 1.5 in (37.5 mm)
- No UV/IR, gobos can be made from Glass, Metal or Transparency Materials
- Adjustable mounting bracket for free standing, or wall/ceiling mount
- CE marked
- Low energy consumption
- IEC Power Input
- Compact aluminum casing/structure with plastic cover
- Includes: Qty:1 Remote **CT-G2R/RM**
Qty:2 Gobo Holder **GH-G2R/E**
- IR Remote for remote control

Physical

Housing Material	Die Cast Aluminum and Plastic
Color	Black
Weight	4.5 lbs (2 kgs)
Size	9" - 12.25" x 5.5" x 6.5" (LxWxD) 230 - 310mm x 140mm x 165mm



Environmental

Environmental Rating	IP44
Max. ambient temperature	105°F (40°C)
Min. distance to flammable surface	1.0ft (0.3m)

Electrical

Power Requirements	Auto Ranging 100 – 240Vac, 50-60Hz @35 Watts
Power Input	IEC
Fuses	Internal
Rating Approval	CE

Control

On Board	Buttons for Gobo Control
Wireless	IR Remote

Optics

Light Source	30 Watt White LED
Beam Angle	17°
Focus	Manual, Minimum: 16" (0.4m) Maximum: Infinity

Gobo

Rotation	Stationary, Bi-Directional (0.75 to 3.25 RPM)
Type	Metal, Glass, Transparent Printer Film
Thickness	3.75mm Maximum
Outer Diameter	Standard "E" Size, Maximum: 38.5mm
Image Diameter	28mm (Bleed to 30.5mm)

Rigging

Orientation	Any
Mounting Points	Adjustable mounting bracket for Table Top or Clamp Mount

Unpacking

Immediately upon receipt, carefully unpack and inspect the fixture to verify that all parts are present and have been received in good condition. If any parts appear damaged from shipping or the shipping carton shows signs of mishandling, notify the shipper immediately. Retain carton and all packing material for inspection. In the event that the merchandise is to be returned, the original carton and packing must be used. The customer will be billed for a new carton and packing if merchandise is received without the original carton and packing.

Claims

Physical damage must be reported to the Freight Carrier or Shipping Company upon receipt of merchandise. Damage incurred in shipping is the responsibility of the Freight Carrier or Shipping Company. It is the customer's obligation in the event that merchandise is received damaged, to notify the Freight Carrier or Shipping Company immediately. All other claims not related to damage incurred during shipping must be made to the Dealer or Distributor within 7 days of receiving merchandise.

Returns

Returned merchandise must be in the original packing with a Return Merchandise Authorization number (RMA) clearly listed on the shipping label. Items sent by Freight Collect or without a RMA number will be refused. Call your sales person and request a RMA prior to shipping. Be prepared to provide the model number, serial number and description of the nature of the return. Shipping damage resulting from inadequate packaging is the customer's responsibility. Customer will be charged additional shipping charges to return products received in non original packing and or cartons.

Purpose of Manual

The purpose of this manual is to explain the necessary steps for using this fixture properly and to assure peak performance of said product functions. It is intended for use as a reference by a fully qualified electrician, technician, and lighting professional. This manual should never be considered a substitute for any provision of a regulation, state and/or local code. The responsibility of complying with all state and local laws, ordinances, and regulations in regards to installation, maintenance, and operation of this product lies with the buyer and handler of the product. The instructions and precautions set forth in this manual are not necessarily inclusive of or relevant to all applications. Please read the entire manual to fully understand and safely use this product.

Power



Do not apply power to the fixture until power source is verified. Do not attempt to use this fixture if it appears damaged. For protection against electric shock, fixture must be connected to suitable earth ground. Make sure fixture is disconnected from power mains before any service.

This fixture automatically adjusts to mains voltage and frequency 100-240vAC 50/60Hz. The listed power rating is its average wattage under normal conditions. All fixtures must be powered directly from a switched circuit. This fixture cannot be run on a rheostat or dimmer circuit even if used solely for a 0% to 100% switching. Before applying power to a fixture, check that the fixture's input voltage matches the power source voltage. Consult a qualified electrician if there are any concerns about proper connection to power.

Basic Reference



Mounting

The supplied bracket allows for placement on a flat surface such as a table or for hanging with optional clamp (not supplied).

Always use safety cables. Always consult a qualified professional when rigging. Consider access for routine maintenance when selecting a mounting position. This fixture may be mounted in any position provided there is adequate room for movement and ventilation. Mount the fixture securely using the two mounting holes provided on both sides of the base. This fixture features an adjustable base which allows the fixture to be tilted at different desired angles. Always keep cords out of the way, thus preventing any trip hazards. Secure all cables properly. Do not mount where the fixture will be exposed to any water or condensing moisture, high humidity, extreme temperature changes or restricted ventilation. Do not obstruct any of the heat sink vents.

Setup

Gobo Holder

The Gobo Holder uses Standard “E” size Gobos (1.5” / 37.5mm), Metal or Glass. The fixture produces no significant heat or UV allowing self-printed custom designs on transparent printer film. Two gobo holders are supplied with the projector.

Remove Gobo Holder

The gobo holder is held in place by magnets. Remove by grasping the scalloped edge of the holder and carefully lift out.

Install Gobo Holder

Holding by the scalloped edges of the holder, gently set in place.

Changing Gobo

The gobo is held between two pieces that screw together. Unscrew the two pieces to open the holder. Take care to not cross thread or over tighten. When installed correctly, the gobo will be backwards when viewed from the scalloped side of the Gobo Holder or front of the fixture when installed.



FOCUS

Focus has separate adjustments for Coarse and Fine. Move the Focus assembly out for nearer surfaces, and in for surfaces farther away. Best results are obtained by projecting on a solid white or neutral colored surface.

Coarse

Coarse focus is set by pushing or pulling the front lens assembly to achieve the best possible initial focus. Indentations in the support rails make clicking noises while adjusting. Careful not to force the lens assembly against the maximum travel stop.



Fine

Turning the front lens bezel in or out adjusts the Fine Focus. Careful not to force the movement at either end of its adjustment limit. If needed, re-adjust the Coarse Focus and then return to Fine.



Operation

Functions are set using the Buttons on the front of the projector or with the IR Remote. Only the IR Remote allows for control of the Dimmer and BlackOut function. Settings are automatically retained and the projector returns to the same state whenever power is connected.

Projector Buttons

Two buttons are located on either side of the IR Remote Sensor on the front of the projector. Single pressing will advance one “step.” For larger changes, press and hold.

NOTE: Dimmer level of the LED can only be changed using the supplied IR Remote.



SPEED Change the rotation speed.

ROTATION Cycle through three settings:
Clock Wise, Counter Clock Wise, and Stop

IR Remote

The supplied IR Remote adjusts all functions of the Projector. The remote is directional Infrared and must be pointed at the front of the unit to be adjusted to work. Take note of other Projectors that may be in the same line of sight.



NOTE: The supplied IR Remote is a multi-function remote, some keys are not intended for use with this Projector.

BLACKOUT Press [**BLACKOUT**] key to toggle LED output.

DIMMER Press [**LED**] then the [**+**] or [**-**] keys to change LED dimmer level.

SPEED Press [**SPEED**] then the [**+**] or [**-**] keys to change rotation speed.

ROTATION Press [**ROTATION**] to cycle through three settings:
Clock Wise, Counter Clock Wise, and Stop

Maintenance



Make sure fixture is cool and disconnected from power mains before any service.

Weekly operating hours and environmental conditions will establish how often the fixtures need cleaning. Fixtures should be cleaned and inspected at least once a month to maintain optimum performance. Accumulation of dust and fog residue increases heat build up, can lead to malfunctions, overheating and reduction in maximum light output, reduced fixture life and over all performance. Before conducting any maintenance, disconnect fixture from power mains.

- 1) Disconnect fixture from power mains.
- 2) Use a vacuum with a soft brush to remove dust collected on external vents and internal components. If using an air compressor, use low pressures and extreme care to prevent damaging any internal parts or effects.
- 4) Clean all optical elements when the fixture is cold. Use a soft lint free cotton cloth or tissue and cleaner safe for plastics.
- 5) Inspect clamps and safety cables to ensure fixture is secure and safe.

Accessory Items (sold separately)

Order Code	Description
CT-G2R/RM	IR Remote Control for DL-G2R LED Gobo Projector
GH-G2R/E	Gobo Holder for DL-G2R, holds size E Glass Or Metal
ZEPO0001	Power Cord - 18AWG SJT x 6' Molded Edison to IEC
CL-CBHALF	Half Cheese-borough Coupler 2" Pipe
CL-MEGA/B	Mega 2" Pipe Heavy Duty Clamp – ½" bolt - Black
CL-MEGA/P	Mega 2" Pipe Heavy Duty Clamp – ½" bolt - Polished
CL-CLAWMINI/P	MIM Clamp Mini Claw 2" Tube Polish
CL-MINI/B	MNB Clamp-Mini 3/4"-2"Pipe Black
CL-MINI/P	MNM Clamp-Mini 3/4"-2"Pipe Polish
CL-MICRO/B	Clamp-Micro 7/16" to 1-1/4" OD Pipe Black
SC-18B	Safety Cable 18" black w/lock
SC-18S	Safety Cable 18" silver w/lock
SC-30B	Safety Cable 30" black w/lock
SC-30S	Safety Cable 30" silver w/lock

Troubleshooting

Symptom	Possible Cause / Solution
No Power	Check for power on mains
	Check if fixture is in BlackOut
Erratic Rotation	Check proper fit of Gobo Holder
	Check for debris interfering with Gobo Holder
	Clean Gobo Holder and Fixture
Cannot Focus	Clean Fixture
	Surface too close or not flat



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