

## Caution

1. Disconnect the fixture from AC power before removing or installing the lamp, gobo or any part, and when not in use.
2. To prevent electric shock, match wide-blade of plug to wide slot. Fully insert.
3. Do not expose the fixture to rain, snow, or moisture. The CO-50-3W is designed for dry locations use only.
4. Keep protective barrier in place or replace removable parts after servicing.
5. Keep a minimum distance to combustible materials of 1.0 meter and keep a minimum distance to illuminated surfaces of 0.5 meter.
6. Lamps, gobos, and all parts become very hot when they have been in use for an extended period of time, so it is important never to handle lamps, gobos, or other parts until they have had sufficient time to cool.

## Specifications

### Physical

Length .....	225 mm
Width .....	85 mm
High .....	235 mm
Weight .....	1.0 kg

### Installation

Minimum distance to combustible materials.....	1 m
Minimum distance to illuminated surfaces .....	0.5 m

### Construction

Housing .....	Metal and Aluminium
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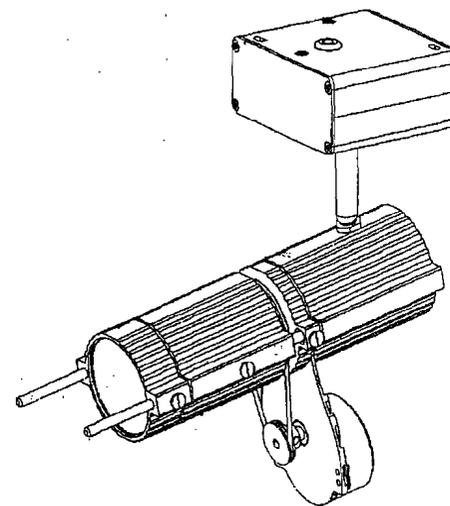
### Thermal

Maximum ambient temperature (Ta) .....	40°C
Maximum surface temperature, steady state, Ta=40°C .....	125°C

### Source

Lamp .....	Mr16 12V 50W
Base .....	G 5.3

# CO50-3W Image projector user manual



Tong-Da Industry Co., Ltd

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**Tong-Da Lighting**

## Introduction

Thank you for selecting the Delan CO-50-3W image projector. The CO50(N) projectors series are a range of projectors made to perform the valuable task of projecting images or illuminating subjects perfectly, suited to many applications: shops, trade shows and exhibitions, showrooms, bar and hotels etc.

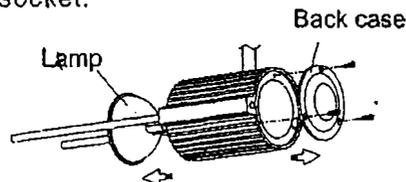
### Main Features:

- Dedicated designed lens unit to maximize light output and projection clarity.
- Long life lamp: MR16 12V 50W 4000 hours.
- Beam angle 10-35 degree.
- Stainless steel or glass gobo: diameter 37.5mm, Image diameter max 23mm.
- Gobo rotate 360 degree, speed: 2-2.5 R.P.M.
- Dichroic color filters can select: standard colors.
- Adjustable pan: 350 Tilt: 90 .
- Dimensions LxWxH: 220x75x185 mm
- All type models project images with the most utmost precision and sharpness, with extraor dinarily uniform projection all over the illuminated surface.
- In die-cast and extruded aluminium.

## Maintenance

### Replacing The Lamp

1. Disconnect the fixture from the power and allow it to cool for 15 minutes before removing the lamp cover.
2. Remove the old lamp from the socket.
3. Insert the new lamp firmly into the lamp socket.
4. If Mr16 with glass cover, back plate of house need to be take out to replace lamp.



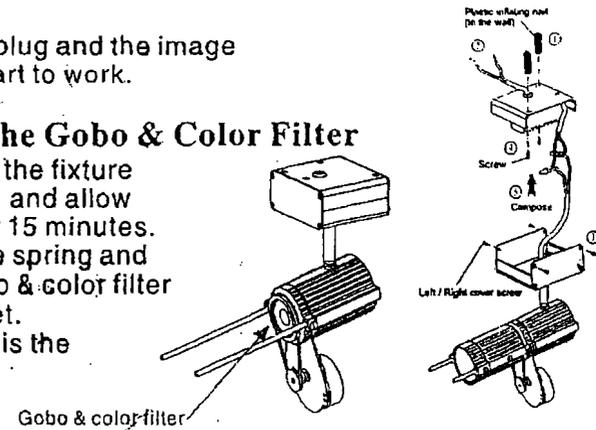
### Installation

1. Install the box to flat surface with screws through mounting holes.

2. Fully insert plug and the image projector start to work.

### Changing The Gobo & Color Filter

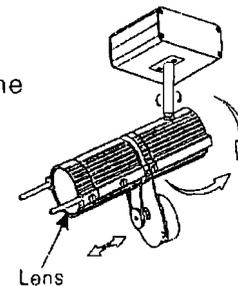
1. Disconnect the fixture from power and allow it to cool for 15 minutes.
2. Remove the spring and put the gobo & color filter in the socket.
3. Installation is the reverse.



### Adjusting The Focus

1. Loosen the two screws
2. Move the lens forward and back to find the best image position.
3. Fasten the two screws.

Note: the flat lens side toward to the lamp



### Cleaning The Optical Components

Use care when cleaning optical components. The surface on a dichroic filter is achieved by means of a special multi-layer coating and even small scratches may be visible. Residue from cleaning fluids can bake onto components and ruin them.

1. Allow the components to cool completely.
2. Wash dirty lenses and filters with isopropyl alcohol. A generous amount of regular glass cleaner may also be used, but no residues should remain.
3. Rinse with distilled water. Mixing the water with a small amount of wetting agent such as Kodak Photoflo will help prevent streaking and spotting.
4. Dry with a clean, soft and lint-free cloth or blow dry with compressed air.

