

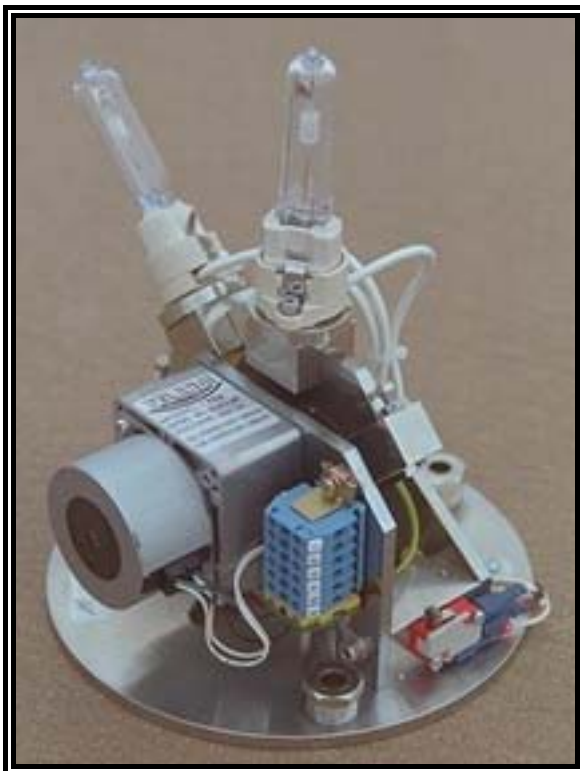
# PELANGI

## LAMPCHANGER

## PA2 Series & Diffuser



PA2 with 2 x 240 volts 500 watt lamps.



PA2 with 2 x 35 watt CDM-T as used in PRL400.

The PA2 Lamp changer Series has been designed for use in large or small Prismatic Optics with maximum versatility from a standard unit.

- The PA2 can handle a variety of lamp holders including ES, P40s and CDM-T cap types.
- Each lamp stem support plate is manufactured to suit both the lamp holder and lamp plus the swept clearance of the lens itself making it very versatile. It removes the necessity to provide additional lamp changer support pedestals if required.
- The PA2 bolts directly to the PRL400 and PRL600 Pedestals removing the need for any cabling interfaces or modifications.
- The Pelangi PA2 Lamp changer has been designed with three levelling screws for alignment of the lamps in the optic for maximum optic efficiency.
- When the first lamp fails the drive circuit initiates the motor to drive to the second position. On each subsequent calling for the lamp the PA2 motors to the first position to check the lamp and then on to the second. Thus if metal lamps are being used the PA2 will check for a good lamp each time the system calls for a lamp. This can be automatic via photo cell or telemetry.

### Options:

- 12 and 24 volt D.C. or 110 and 240 volt A.C. drive motors.
- Clear or Matt Black anodised Aluminium or Bright Nickel Mild steel depending on focal stems of lamps.
- Compatible with COMMUNICATOR, and most other flashers if used in drum lenses.

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## LAMPCHANGER

## PA2 Series & Diffuser



PA2 Lampchanger with 2 x 35 watt CDMT Metal Halide lamps and diffusers.

**Note:** Positioning of the lampchanger within the lens can be achieved by mounting the complete PA2 on a small pedestal within the lens or the lamps themselves can be mounted on stems. The internal lens clearance will determine which option is best. Similarly the vertical angle between the lamps can be varied to remove any shadow effect the standby lamp may create within the optic.

Pelangi International Limited will be more than pleased to offer tailor made proposals to suit the lens on station.

### PA2 - Overall Dimensions :

Mounting Plate	: 200 mm Dia.
Swept Dia.	: 300 mm
Height (Standard)	: 252 mm
Fixing Holes	: 3 x 10 mm thro. holes.
Spacing	: 170mm P.C.D.
Net Weight	: 8.5 Kgs (Excluding diffuser)

### CDMT Metal Halide lamps.

Designed by Trinity House to increase the apparent width of a CDMT filament when used in Prismatic Lenses with large focal lengths. This increases the horizontal beam width and consequently the flash length for an optics given rotational speed.

- Peak intensities of CDMT metal halide lamps are flattened to enable their use in a prismatic lens which would not normally be possible.
- Using the filter and CDMT metal halide combination enables previous traditional tungsten lighthouse lamps of 1000 and 500 watts to be replaced by 35 watt lamps which are powered from solar, not diesel generators.
- Three different heights of filters are available to suit lenses of varying heights and their light collecting prisms.
- Ideal to convert Acetylene Gas powered pedestal lenses with prisms arranged at the bottom of the optic to collect Gas Mantled light.
- Easily removed to change lamps.

### Associated Products

- PA2 Lamp Changer.
- HID Driver.
- 36, 70 and 150 watt CDMT lamps.
- PRL600 Gearless Pedestal



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### Optical Filter assembly for standard