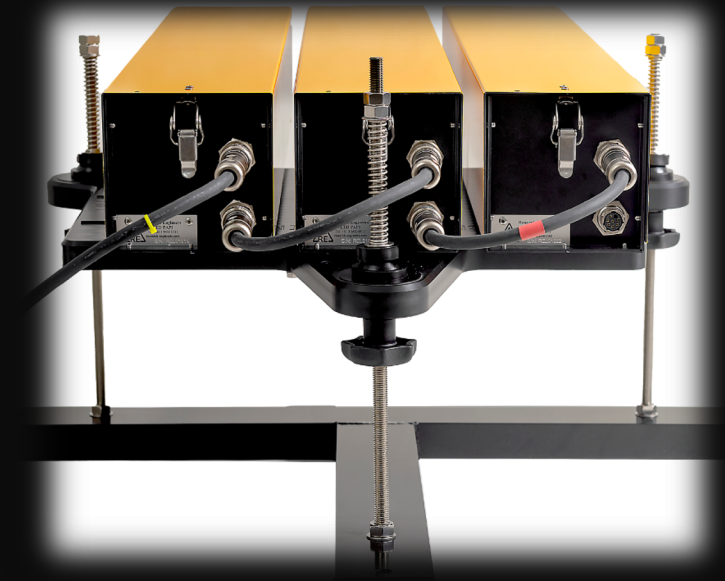# *LED PAPI*

By Research Engineers Pty Ltd 2020

# RE LED PAPI Features

- Same modular design and mounting as original RE PAPI.

- Power consumption reduced by 75%.

- Sharper transition.

- Multi power and control methods.

- Sealed projectors.

- Front lens blast protection.

- 99 step intensity control.

- Tilt detection, fault alarm, auto shutdown.

- Keen pricing, superb backup.

# Modular design concept

- All projectors are identical and can be rapidly swapped in the field using just a screwdriver in under 1 minute

- Projector alignment is maintained by the mounting base

- Projectors can be hot swapped with system operating

- Angles do not require adjusting after projector replacement

# Low power consumption

- Reduced by 75% at full power- under 50Watt per projector.

- Reduced by up to 90% at lower power settings.

- Solar / battery power supply compatible.

- Supply options: Series current, AC mains 50/60Hz, 24Volt DC..

# Sharper transition

Vertical transition is 1 minute of arc.

# Multiple power sources

- Series current by CCR.

- AC mains voltage 110v/60Hz or 230v/50Hz anything in between.

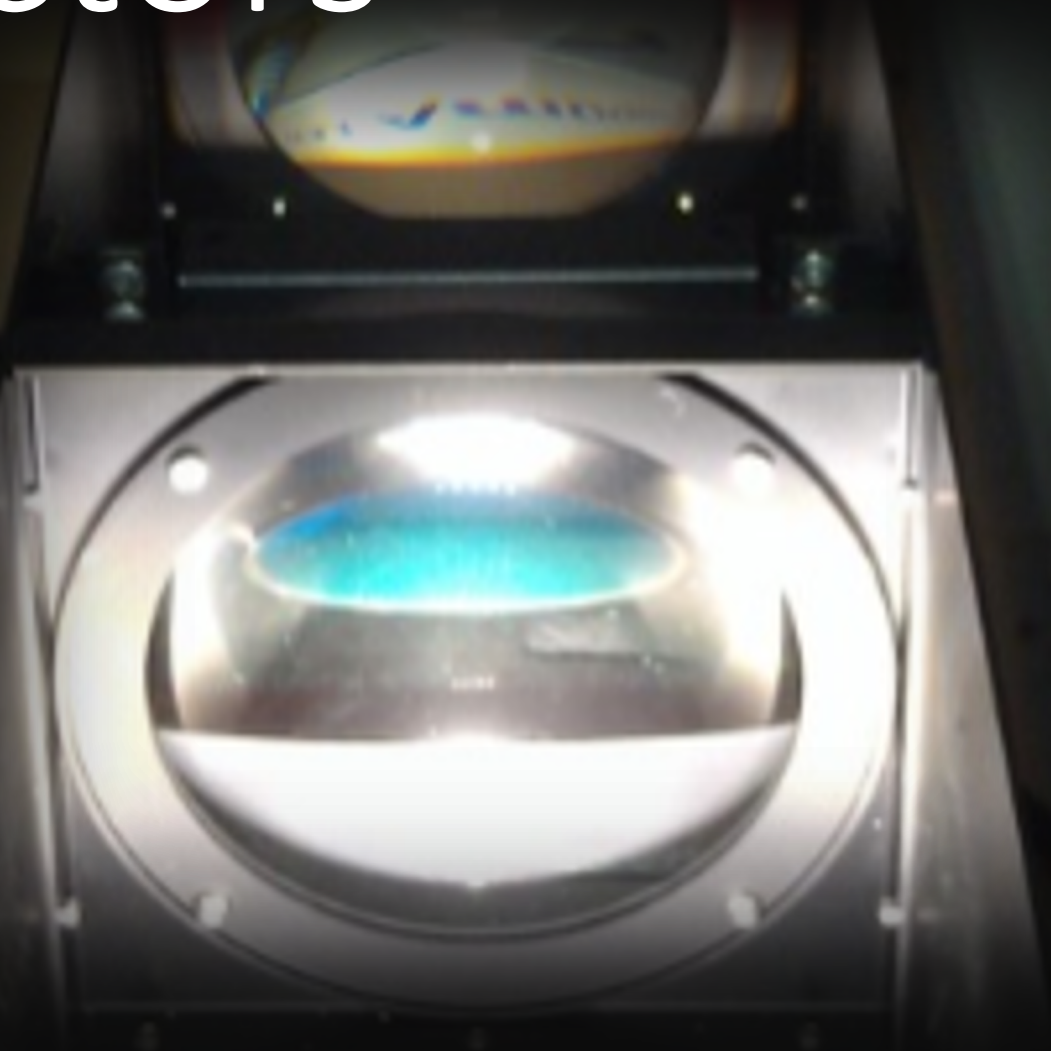- 24-32 volt Direct Current from solar engine and batteries.

# Multiple control modes (6/3 stage)

- Series current with linear or lamp type dimming curve (to FAA brief No. 67D)

- Serial data control over local area network.

- Digital manual control over wire or radio.

- Fully autonomous, ambient light sensing.

# Sealed Projectors

- Reduced dust and moisture ingress.

# Front lens protection

- Field replaceable, low loss, glass window protects front lens from sandblasting in dusty environments and icing in cold climates.

- Optional lens heating, provides frost protection.

# 99 step intensity control

- The Projector output can be set in 3 or 6 stages from 0 to 99%.

- The stages can be matched to 1000 levels of ambient light.

- Firmware prevents overlapping stages during setup adjustment.

- Systems are shipped with preset levels and stage intensities which may be adjusted onsite during commissioning if required.

# 100% testing

- Every projector is physically inspected.
- Every projector is photometrically tested.
- Every system is assembled and tested.