

Airport Lighting Specialists Pty Ltd

**PAL LED**

**Permanent Airport Light**

## Features

PAL LED lights are NATA certified and MOS139 compliant.



Made tough for for harsh Australian conditions.

LED light source – extremely long life.

Power consumption only 10% of incandescent lamps.

Power savings of 50-75% over entire system.

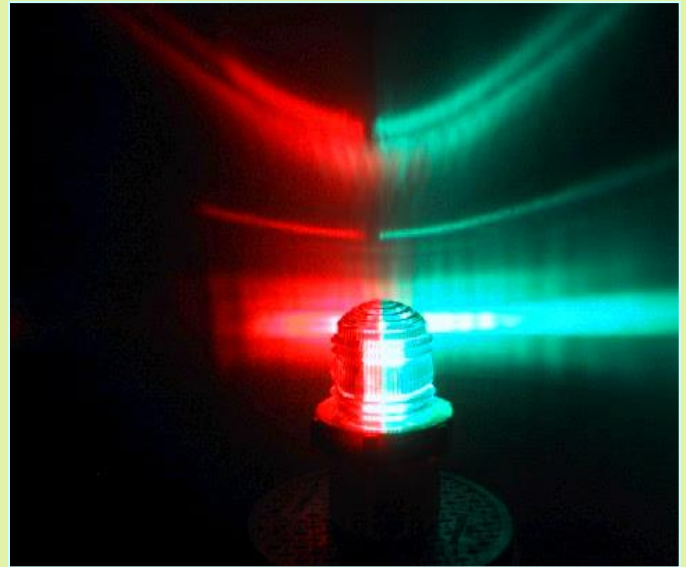
Tough UV stabilized polycarbonate lens.

ASA body that won't rot, rust or crumble.

Lenses are guaranteed for 5 years  
(You can't break a single-colored lens).

We make them, so spares are always available.

Superior design means lenses don't jam or break.



## Colours

PAL lights are available in all aviation colors.

Green –	Outer Threshold
Green / Red –	Threshold / End
Red -	Runway End
White –	Runway Edge
Blue –	Taxiway, Apron Edge, Turning Node
Yellow –	Holding Point

Other special combinations of colors can be supplied on request – just call us.

## Easy Mounting

PAL lights can be screwed to the top of a pit with the series isolation transformer located directly below.

Other mount options are available.

Contact us if you need additional information – we stock all the parts you need.



## LED PAL lights for 6.6 Amp circuits

Upgrading to LED can be simple.

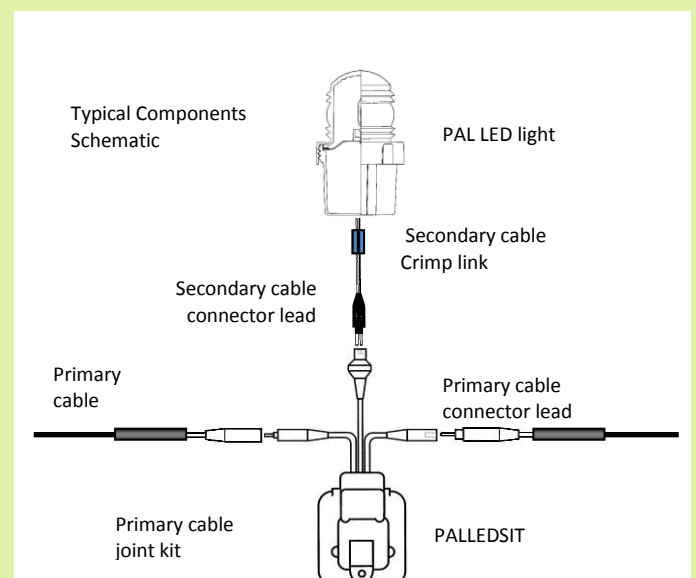
LED light engine is compatible with existing PALs.

Current specific LED SIT ensures precise light output.

Cable losses and connection stress are reduced due to the lower secondary current.

Low power requirement means a smaller MIT is needed.

Lower primary voltages may reduce trenching depth and therefore installation cost.



# Compliances

## Civil Aviation Safety Authority Australia

CASA Manual of Standards Part 139, V1.12 Ch. 9,  
Low Intensity Clauses of Sections 9.10 to 9.15

Independently tested in NATA accredited laboratory



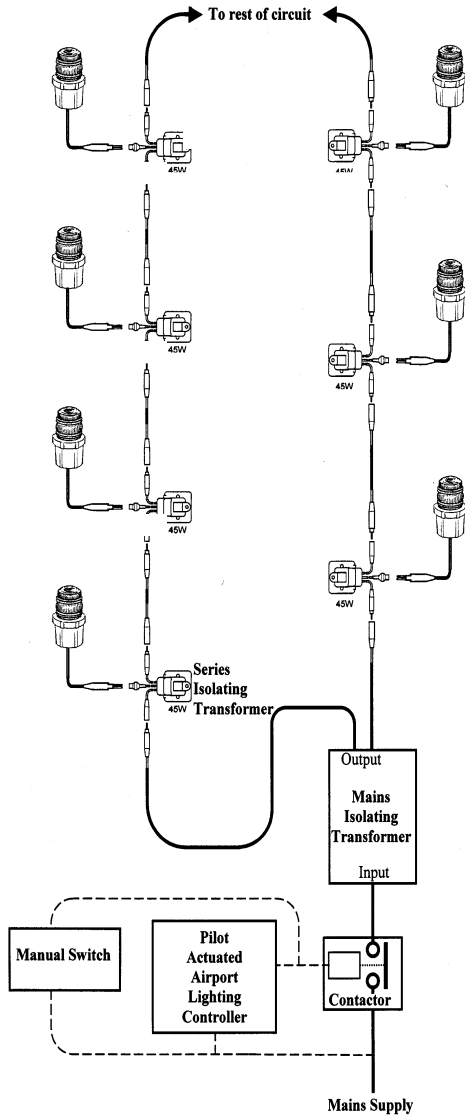
## International Civil Aviation Organization

ICAO Annex 14, Volume I, Chapter 5,  
Sections 5.3.9.9, 5.3.10.9, 5.3.11.4, 5.3.16.6

# They are tough!



Just to show how tough they really are: that's a  
3 tonne truck parked on a PAL lens!  
(Don't try this with a glass lens).



## Other items

PAL lights operate as  
part of a series circuit,  
so naturally we supply  
all the other parts as well!

ALS also supplies:

- |            |           |
|------------|-----------|
| SITs       | Leads,    |
| Connectors | Cables    |
| Lamps      | MIT       |
| CCR        | RTIL      |
| PAALC      | AFRU      |
| IWDI       | Socks,    |
| Cones      | Gables... |

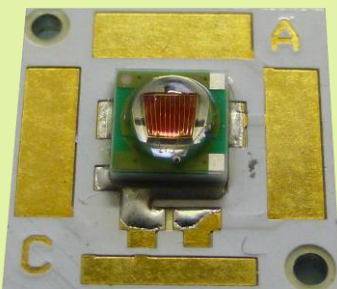
The list goes on!



## Why LED?

LED lighting saves energy and produces less greenhouse  
emissions than equivalent lamps.

LED fittings save on maintenance and spares.  
The color remains the same if the LEDs are dimmed.  
(Crisp, bright colours). No heat or electrical stress on fittings.







## Stock Codes

### PAL LED lights

Colour of light	Stock Code
White	PALLEDMOSCLEAR
Red/Green	PALLEDMOSREDGREEN
Green	PALLEDMOSGREEN
Red	PALLEDMOSRED
Blue	PALLEDMOSBLUE
Yellow	PALLEDMOSYELLOW

### Series Isolation Transformers

Current	Stock Code
6.6A/350mA	PALLEDSIT6.6A/350
6.6A/700mA	PALLEDSIT6.6A/700

### Cables, connectors and joint kits

Item	Stock Code
Primary cable (5kV)	V5/61CALP
Primary Plug/Socket Lead	V10/FAA
Primary Joint Kit	V10/386F
Primary Plug & Socket kit	54SUPERZ6Z6
Secondary cable	V5/3045
Secondary Plug	95MPH
Secondary Joint Crimp	V10/WPS2

## Dimensions

Installed height	195 mm
Lights per carton	1 piece
Carton size	150x150x210 mm
Packed weight	0.6 kg



## Airport Lighting Specialists Pty Ltd

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