R-2150../..
ELEVATED RUNWAY EDGE LIGHT
HIGH INTENSITY – BIDIRECTIONAL

RELATED STANDARDS

FAA : R-2150 is in accordance with FAA specifications AC-150/5345-46A L-862

ICAO : R-2150 is in accordance with Annex 14, Vol.1, para. 5.3.3., to be used as runway edge light in CAT I, II & III conditions

APPLICATIONS

- As high intensity, bidirectional edge lighting for runways up 60 meters wide in CAT I, II & III conditions
- As medium intensity runway edge, threshold and runway end light
- Also has an omnidirectional optical feature that allows to be used in circular areas

IMPORTANT FEATURES

- **Small size** helps resist heaviest jet blast even when installed at threshold, runway ends.
- **Easily mounted** with breakable coupling over a 2" muff pipe.
- **Adaptable to adverse environmental conditions** height can be increased in areas of heavy snowfall.
- **Needs less maintenance,** thanks to the minimum number of parts all simple and functional.
- **Repeatable and stable photometrics** with one PK30d quartz halogen lamp, precisely prefocused and accurately positioned in the lower body and with the smooth surfaced glass dome that keeps dirt from cumulating. This also extends the interval between cleanings without the light being significantly reduced.
- **Re-lamping is fast and easy**
- **Multipurpose optical system** with 2 piece inner glass lens any combination of colors can be made. 180° blanking screen is also available.
- **Long lamp life** 1000 hours at full intensity (6.6A) increases to 2000-4000 hours in practice since the system usually operates at lower intensities.
- **Circling guidance** intensity of omni-directional light componenet exceeds the ICAO requirement, making VFR operations safer.
- **Saves energy** with its highly efficient optics that need 150W lamps to give 200W's performance. This not only saves energy but also lengthens the lives of gaskets, glassware and wiring by reducing internal heat.

FIGURE 1

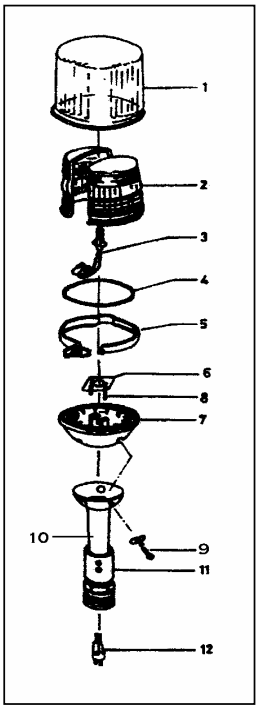


FIGURE 4

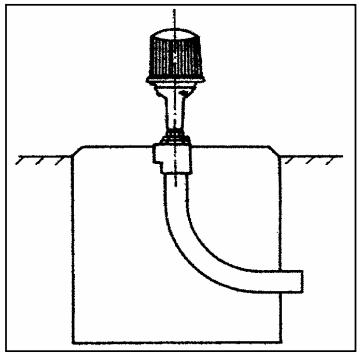


FIGURE 2

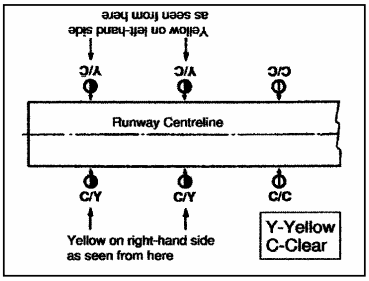


FIGURE 3

CONSTRUCTION

1. Outer dome, glass, externally smooth
2. 180° inner prismatic lenses, glass, through-colored clear
3. Lamp, quartz halogen, prefocused PK30d
4. O-ring gasket for heat resistance
5. Clamping ring made of stainless steel
6. Lamp base
7. Upper body, die-cast aluminium alloy
8. Lamp base hardware
9. Aiming screws
10. Lower body, die-cast aluminium
11. Frangible stem, die-cast aluminium alloy
12. 2-pole plug to FAA L-823 with heat resistant wires

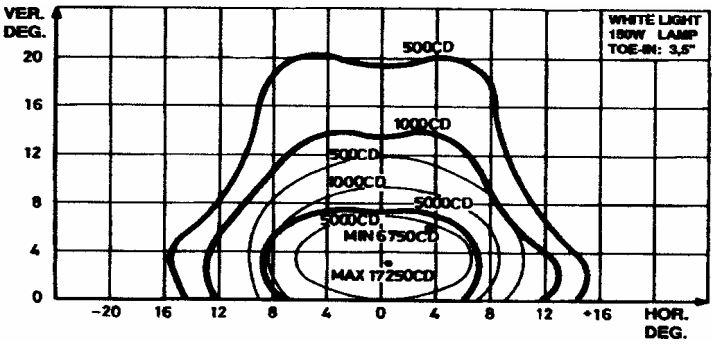
ELECTRICAL SUPPLY

Through a 100, 150 or 200W isolating transformer.

PHOTOMETRIC PERFORMANCE

100, 150 or 200W - 6,6A prefocused halogen lamp PK30d, 1000 hours rated life at full intensity.

R-2150	Color	Lamp (W)	Peak Intensity Cd.	Average Intensity Cd.	Minimum Intensity Cd.	Beam Spread Horizontal	Beam Spread Vertical
Runway Edge							
ICAO 45m.	White	150	17190	12450	6780	-2 to 11°	0,2 to 7°
ICAO 45m.	White	200	18680	14505	10595	-2 to 9°	0,2 to 7°
ICAO 60m.	White	150	17190	12450	6780	-2 to 11°	0,2 to 7°
ICAO 60m.	White	200	18680	13590	7340	-2 to 11°	0,2 to 7°
Runway Edge							
FAA L-862	White	150	17190	12450	6780	-2 to 11°	0,2 to 7°
	White	200	18680	14505	10595	-2 to 11°	0 to 7°



FINISH

Phosphating and baked polyester electrostatic powder coating. The color is aviation yellow and hardware is made of stainless steel.

WEIGHT

With the inner lenses, net weight is 2,8 kg.

ORDERING CODE

R - 2 - 150 - W / G

Lamp Rating: 100W, 150W, 200W

Color *: White - W, Yellow - Y, Red - R, Green - G

* First letter for left, second for right beam

PACKING INFO

In cardboard boxes of 18×18×35cm.