

GANESH LED BASED AVIATION OBSTRUCTION LIGHT



ELECTRICAL DATA ICAO

No. Of LEDs: max 196
Maximum forward current: 77mA
Typical power consumption: 5.5 W Maximum at 230vac
Input voltage variability: Can withstand fluctuation of $\pm 30\%$
PIV protection: LEDs internally protected against rev. voltages up to 1 kV
Insulation resistance: >200 megohms at 1000V
Dielectric strength: 2.5 kV
Earthing: Terminal provided inside body
Cable entry: ET 19mm
I luminance: @30.2 lux at 1 mtr distance

AOL COMPARATIVE COST-CALCULATION of the savings affected by our AVIATION OBSTRUCTION LIGHT as compared to a single light using 230vac filament bulb is given below:

	PARTICULARS	CONVENTIONAL AOL WITH 200W FILAMENT BULB	CONVENTIONAL AOL WITH NEON SPIRAL	GANESH LED AOL
1	Life	1000 hrs.	5000 hrs	1,00,000 hrs
2	Replacements/year	4.38	1	0.0438
3	Annual costs for replacement/maintenance activities	Rs. 4380.00 (@ Rs.1000.00/instance)*	Rs. 1000.00	Rs. 0.00
4	Wattage	100 W	80 VA	5.0 W
5	Units of Electricity (KwH) consumed/year	438 KwH	350 KwH	21.93KwH
6	Annual cost of above Electricity @ Rs.4.00/unit	Rs. 1752	Rs. 1,401.00	Rs. 88
7	Total cost/year (3+6)	Rs. 10,555.80	Rs. 7901.60	Rs. 88

TOTAL AVERAGE YEARLY SAVINGS AFFECTED OVER FILA BULB AOL: RS. 10,367
TOTAL AVERAGE YEARLY SAVINGS AFFECTED OVER NEON SPIRAL AOL: RS.7813

Features of Aviation Obstruction Lights


- Multiple Circuits provided so maximum reliability is achieved.
- Transformer has been eliminated and replaced by R-C circuits, which enhance the life of product by suppressing any voltage fluctuations and also no magnetic losses.
- Ultra high glow LEDs are used to get optimum light output.
- Cable size reduces which helps in saving the installation cost.
- Wider operational voltage band of $\pm 30\%$ of rated voltage.
- Guarantee of 12 months offered.
- Solar Aviation lamps also available

Clients : Airports Authority of India, BSNL, Tata Teleservices Ltd, Bharti Cellular Ltd, Idea Cellular Ltd, GTL Ltd.,Fascel Ltd, Prasar Bharti, Nokia, Ericsson etc.

MANUFACTURED BY
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Other Accessories Along with Aviation Lights

	<p><u>Photocontrollers</u></p> <p>For Automatic operation of the Aviation lamps</p>		<p><u>Mounting Clmps</u></p> <p>To directly mount the aviation lamps on tower without drilling or welding</p>
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	<p>Double Type Aviation Fitting Total Weight: 3.0 Kg. Single Type Aviation Fitting Total Weight: 1.3 Kg. Controller Weight: 0.25 Kg. Mounting Clamp Weight: 0.6 Kg.</p> <p><u>Single Dome Dimensions</u> A = 170 mm. B = 260 mm</p> <p><u>Double Dome Dimensions</u> A = 170 mm. B = 260 mm D =</p>
<p>Connection Diagram of controller.</p> 