


GANESH LED BASED AVIATION OBSTRUCTION LIGHT

	<p><u>ELECTRICAL DATA</u></p> <p>No. Of LEDs: 170</p> <p>Maximum forward current: 45 mA</p> <p>Typical power consumption: 5.5 W Maximum at 230V AC</p> <p>Input voltage variability: Can withstand fluctuation of $\pm 25\%$</p> <p>PIV protection: LEDs internally protected against rev. vol. upto 1 kV</p> <p>Insulation resistance: >200 megohms at 1000V</p> <p>Dielectric strength: 2.5 kV</p> <p>Earthing: Terminal provided inside body</p> <p>Aluminium body with powder coating</p> <p>Polycarbonate unbreakable red dome</p> <p>Cable entry: PG11 cable gland</p> <p>Type : with inbuilt photosensor for automatic operation</p> <p>luminance: @3000 lux</p>
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AOL COMPARATIVE COST-CALCULATION of the savings affected by our AVIATION OBSTRUCTION LIGHT as compared to a single light using 220V/200W 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. 4000.00 (@ Rs. 1000.00/instance)*	Rs. 1000.00	Rs. 0.00
4	Wattage	100 W	80 VA	5.5 W
5	Units of Electricity (KwH) consd./year	438 KwH	350 KwH	19.6 KwH
6	Annual cost of above Elect. @ Rs.4.00/unit	Rs. 1752	Rs. 1,401.00	Rs. 98
7	Total cost/year (3+6)	Rs. 5,752.0 <i>Also Avn body cost.</i>	Rs. 2401.60	Rs. 98
TOTAL AVERAGE YEARLY SAVINGS AFFECTED OVER FILA BULB AOL: RS. 5654				
TOTAL AVERAGE YEARLY SAVINGS AFFECTED OVER NEON SPIRAL AOL: RS.2303				

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 18 months offered.*
- *Solar Aviation lamps also available*

Clients-

Airports Authority Of India, Bharat Sanchar Nigam Ltd., GTL Ltd., Tata Teleservices Ltd, Fascel Ltd (Hutch), All India Radio/Doordarshan (Prasar Bharti), Idea Cellular Ltd, Bharti Cellular Ltd. (Airtel), Municipal Corporations etc.

MANUFACTURED BY

GANESH ELECTRICALS

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