

GANESH LED BASED AVIATION OBSTRUCTION LIGHT



ELECTRICAL DATA ICAO & FAA Norms approved
No. Of LEDs: 343
Maximum forward current: 100mA
Typical power consumption: 8.8 W Maximum at 230V AC
Input voltage variability: Can withstand fluctuation of $\pm 25\%$
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: @3300 lux

Warning lamps:

OEM largely appreciates roof top lamps concept where a single prominent indication either with flashing or w/o flashing is required. GANESH has developed warning lamps or roof top flasher lamps. The Solid State Flashing circuit is in built to make a compact design; roof top lamps with flashers are also available with buzzer.




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 | Replacement cost | Rs. 10.00 (for bulb) | Rs. 4,500.00 | Rs. 3,500 |
| 2 | Life | 1000 hrs. | 5000 hrs | 1,00,000 hrs |
| 3 | Replacements/year | 4.38 | 1 | 0.0438 |
| 4 | Capital cost/year | 43.80 | Rs. 4,500.00 | Rs. 247.15 |
| 5 | Annual costs for replacement/maintenance activities | Rs. 8,760.00 (@ Rs. 2000.00/instance)* | Rs. 2000.00 | Rs. 0.00 |
| 6 | Wattage | 100 W | 80 VA | 8.8 W |
| 7 | Units of Electricity (KwH) consumed/year | 438 KwH | 350 KwH | 38.6 KwH |
| 8 | Annual cost of above Electricity @ Rs.4.00/unit | Rs. 1752 | Rs. 1,401.00 | Rs. 154.4 |
| 9 | Total cost/year (4+5+8) | Rs. 10,555.80 | Rs. 7901.60 | Rs. 401.55 |
| TOTAL AVERAGE YEARLY SAVINGS AFFECTED OVER FILA BULB AOL: RS. 10,154.25 | | | | |
| TOTAL AVERAGE YEARLY SAVINGS AFFECTED OVER NEON SPIRAL AOL: RS.7499.5 | | | | |

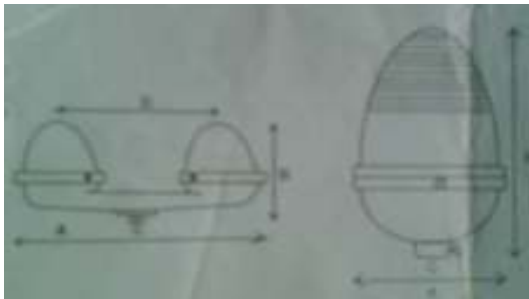
Clients : Airports Authority of India, BSNL, Tata Teleservices Ltd, Bharti Cellular Ltd, Idea Cellular Ltd, GTL Ltd.,Fascel Ltd, Prasar Bharti, Nokia, Ericsson etc.

Double Dome LED Aviation light

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|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>ELECTRICAL DATA ICAO & FAA Norms approved</p> <p>No. Of LEDs: 343 x 2nos./196x2/121x2/50x2/40x2</p> <p>Maximum forward current: 200mA/140/90/17mA</p> <p>Typical power consumption: 8.8 W x 2 at 230V AC /10w / 7w / 2.5w</p> <p>Input voltage variability: withstand flucn. ±25%</p> <p>Insulation resistance: >200 megohms at 1000V</p> <p>Dielectric strength: 2.5 kV</p> <p>Earthing: Terminal provided inside body</p> <p>Cable entry: ET 19mm</p> <p>I luminance: @3300/3300/1700 lux per each lamp</p> |
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Other Accessories Along with Aviation Lights

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|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
|  | <p>Photocontrollers</p> <p>For Automatic operation of the Aviation lamps</p> |  | <p>Mounting Clmps</p> <p>To directly mount the aviation lamps on tower without drilling or welding</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.

