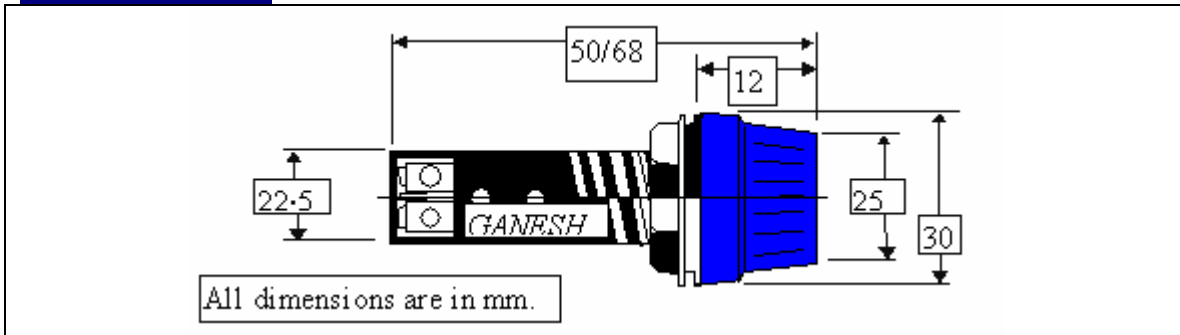


GANESH

MAKE LED PANEL BOARD INDICATING LAMPS



EXCLUSIVE FEATURES:-

- Available in voltages ranging from 6 VAC/DC. TO 440 VAC/DC. Ex-stock.
- Power saving up to 90% compared to filaments lamps. Power consumption lesser than 0.5 watts. Power saving recovers the lamps' installation cost.
- Lesser price as compared to other lamps.
- Colors available-Red, Yellow, Blue, Green, Amber, Orange, And White. The LEDs. inside the lamp's cap is of the same as color of the cap.
- Available in std.size for 22.5, 25 & 30.5 dia.cutouts. On request 16 dia. lamps available.
- Life of each LED lamp is expected 1,00,000 Hrs. of continuous working.
- Each lamp is duly tested before reaching the end users.
- The lamp can withstand heat of the panel board in which it is fitted as an Engg. grade of Nylon-6 plastics is used. There is no heating observed in the lamp.
- Proper soldered circuit, so no vibration effect on the lampworking.
- Available in 1 to 14 LEDs. as per requirement of the customers.
- For lamps circuit the genuine electronics components are used for better life and light.
- Brighter than the most Lamps available in the market with uniform brightness of the glow due to the
- Milky inner cap provided and also the High Glow super bright LEDs. used.
- Flashing red Color Lamp Fixed in the lamp body is also available.
- ERDA and ETDC. Baroda (Govt. of India) tested and certified.
- Low voltage protection at 30 V. can also be available.
- Replacement guarantee of 3 YEARS from the date of supply against mfg. defects.
- Maximum working temperature 55° C.
- The terminals are shrouded for shock resistant & suitable for two 2.5 m² pin/fork/ring lugs.



COST EFFECTIVENESS OF GANESH LED LAMPS OVER FILAMENT LAMPS

Particulars	Filament Indi.Lamp	GANESH Led Indi. Lamp
Initial Cost (bulb)	Rs. 8.00	Rs.50
Wattage	7/15 W.	0.48 W.
Life	1000 Hrs.	1,00,000 Hrs
Replacements/Year	9 bulbs	0.0876
Replacement Cost/Year	Rs. 72.00	4.20
Units Consumed	61.32/131.4 KwH.	4.20 KwH
Cost Of Electricity @ Rs. 4.00/Unit	Rs. 245.3/565.6	Rs. 16.8

Total Average Yearly Savings Affected Over 7 W Bulb Indi Lamps Rs. 228.50

Total Average Yearly Savings Affected Over 15W Bulb Indi Lamps Rs. 548.80

GANESH LED BASED AVIATION OBSTRUCTION LIGHT

	<p>ELECTRICAL DATA</p> <p>No. Of LEDs: 343</p> <p>Maximum forward current: 100mA</p> <p>Typical power consumption: 8.8 W Maximum at 230V AC</p> <p>Input voltage variability: Can withstand fluctuation of ±25%</p> <p>PIV protection: LEDs internally protected against rev. voltages up to 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>Cable entry: ET 19mm</p> <p>I luminance: @3300 lux</p>
<p>Warning lamps:</p> <p>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.</p>	

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, Fascal Ltd, Prasar Bharti, Nokia, Ericsson etc.

GANESH



LED TRAFFIC SIGNAL LIGHTS

TSL COMPARATIVE COST-CALCULATION of the savings affected by GANESH LED TRAFFIC SIGNAL LIGHTS as compared to a single light using 220V/100W filament bulb or 80VA neon is given below:

	PARTICULARS Considering 12 hrs wkg/day	CONVENTIONAL TSL WITH 100W FILAMENT BULB	CONVENTIONAL TSL WITH NEON SPIRAL	GANESH LED TSL /CIRCLE /ARROW & /MAN
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	Replacement/year	4.38	1	0
4	Capital cost/year	44.00	Rs. 4,500.00	0
5	Annual costs for replacement	Rs. 3,504.00 (@ Rs. 800.00/instance)*	Rs. 800.00	Rs 0.00
6	Wattage	100 W	80 VA	4.67W
7	Units of Electricity (KwH) consumed/year	438 KwH	350 KwH	20.48 KwH.
8	Annual cost of above Electricity @ Rs.4.00/unit	Rs. 1752	Rs. 1,401.00	Rs. 82
9	Total cost/year (4+5+8)	Rs. 5300.00	Rs. 6701	Rs. 82.00
AVERAGE YEARLY SAVINGS AFFECTED OVER FILA BULB TSL: RS. 5218 AVERAGE YEARLY SAVINGS AFFECTED OVER NEON SPIRAL TSL: RS. 6619				

l luminance: @ 3000 lux

On one 4-Lanes Yearly Savings Achieved in Rs. With actual working hrs per day

Types	Nos	BULBS (Rs.)	NEON SPIRAL (Rs.)	LED (Rs.)
RED CIRCLE	12	6 hrs: 31,800	40,206	492
YELLOW CIRCLE	12	9 hrs: 47,700	60,309	738
ARROWS	36	2 hrs: 31,800	40,206	492
STANDING MAN	8	4 hrs: 14,134	17,870	218
WALKING MAN	8	4 hrs: 14,134	17,870	218
Total Amount		Rs.1, 39,568	Rs. 1,76,461	Rs. 2,158
Gross Savings Against		Rs. 1,37,410	Rs. 1,74,303	
Savings Achieved in %.		98.43	98.77	