



ELECTRICAL DATA

No. Of LEDs: 135 LEDs
Maximum forward current: 150mA
Typical power consumption: 4.67 W Max. at 230 V AC
Input voltage variability: ±10%
PIV protection: LEDs internally protected against rev. voltages up to 1 kV
Insulation resistance: >200 megohms at 1000V
Dielectric strength: 2.5 kV
Glass: Polycarbonate (Clear)
Body : Vacuum formed from 4 mm thick ABS Sheet.

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

I 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	

PHYSICAL FEATURES AND DIMENSIONS

- Size LxWxD =300 x 300 x 325mm
- Max. Weight 1 KG
- Mounting on 2 nos. U-Clamp M.S. with M6 inserts provided on Fixture.
- Gasket 3 mm.

MANUFACTURED BY

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