

Battery Operated Led Based Flashing Tail Lamp For Railway Vehicles

Features

- Provides warning to crew of approaching Trains.
- Lamp made with LEDs for long life
- Wide display area.
- Long distance visibility.
- Highly reliable with state of art electronic module.
- Portable & Rugged, un-breakable ABS body.
- Light weight
- Lamp is provided with a locking arrangement suitable for mounting on 'L bracket' of last vehicle of train that keeps the lamp clamped properly while the train is in motion.
- Additional rubber padding to absorb bump & shock
- Pilot lamp to indicate operating status of lamp.
- Additional reflector provided to enhance visibility at night.
- Two distinct flash rate for normal & foggy weather selectable by switch.
- Selector switch suitably concealed against un-authorized use.
- Enhanced light output in foggy mode.



Specification No.
RDSO/SPN/200/2010 Revision: 2.0

Specifications:

ELECTRICAL PARAMETERS

Operating voltage	2.7 to 6.0 V DC
Low Battery Indication starts flashing at	3.8 ± 0.1V
Input current at 6V Input Voltage in Flashing (for Normal Weather)	5 to 15 mA
Input current at 6V Input Voltage in Flashing (for Foggy Weather)	9 to 23 mA
Optical Parameters	
No of LED's	6 Nos.
Color Co-ordinates	Class C of BS 1376-1974
Minimum illumination measured at 1.5 mtr. in axial direction (LUX)	>110 Lux
Radiating area (Approx.)	3850 sq. mm
Dispersion angle	4° to 7°
Flash rate	2 per second ± 10% for foggy weather ≤ 4 per second for normal weather
Visibility	The visibility of the tail lamp is 1.6 kms along longitudinal axis and 100 mtr at 6 degree angular displacement from longitudinal axis
Battery Life	
LR 20 up to Low Battery Indication (LBI)	In foggy weather- Min. 200 Hours in Normal Weather- Min. 400 Hours
R 20 up to Low Battery Indication (LBI)	In foggy weather- Min. 100 Hours in Normal Weather- Min. 200 Hours
Min. operating battery life after low battery indicator (LBI)	12 Hours