



Railhead
GEAR

RH-T8-4FT-10W-DC45-G13



Railhead Transit™ DC Emergency T8 LED Tube

Direct 22–45VDC Operation. No Ballast. No Inverter. No Compromise.

THE FIRST TRUE RAIL-GRADE 22–45VDC EMERGENCY T8 LED TUBE

Direct Battery-Powered Emergency Lighting

Traditional emergency lighting systems require:

Battery → Inverter → Ballast → Lamp

Every additional component introduces

- Failure points
- Maintenance cost
- Heat generation
- Energy loss
- Spare parts inventory

Railhead Eliminates All of It

Battery → Railhead DC T8 Tube

■ No ballast

■ No inverter

■ No external driver

Just reliable emergency illumination when passengers need it most.



www.railheadcorp.com

Contact Us

📍 224 Shore Court Burr Ridge, IL 60527

☎ 800.235.1782 | 708.844.5500





Key Benefits

- 22–45VDC Direct Operation
- Supports Rail Battery Systems
- Up to 30% Higher System Efficiency
- Zero Ballast Failures
- Zero Inverter Failures
- Reduced Maintenance Costs
- Reduced Vehicle Weight
- Improved Emergency Reliability
- Direct Retrofit Form Factor

Electrical & Specifications

Parameter	Specification
Input Voltage	22–45VDC
Nominal Voltage	37VDC
Power	10–11W
Efficacy	120 lm/W
Light Output	1,200 lumen
Lifetime	50,000 hours
Operating Temp	-20C to +50C
Lens	Frosted Shatter Resistant
Base: G13	G13



System-Level Advantages

Traditional Architecture

Battery → Inverter → Ballast → Lamp

Railhead Architecture

Battery → DC Emergency Tube





**ENGINEERED FOR TRANSIT.
DESIGNED FOR COMPLIANCE.**

Rail Application Features

- APTA-aligned emergency lighting objectives
- Emergency battery operation
- Stable output during voltage fluctuations
- Transit vibration environments
- Long-life operation
- High-reliability emergency service



Tagline



Reliability



Efficiency



Longevity

WHEN UTILITY POWER FAILS, SIMPLICITY WINS

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■ No inverter

■ No Compromise

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