



AMGLO HALOGEN RAILROAD LAMPS

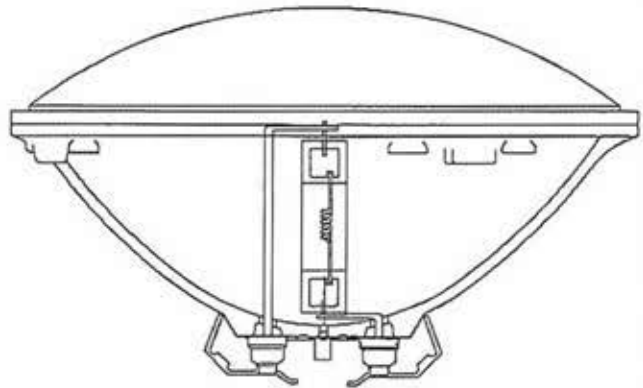
RailDirect is pleased to offer the Amglo Halogen sealed beam lighting technology for Locomotive headlights, auxiliary and ditch lights used in the railroad industry.

Railroads historically used incandescent technology for the locomotive headlamps. The incandescent bulbs served the purpose for decades, but the bulb life (500 hours) is shorter than the halogen alternative Amglo bulb. The successful testing of the Amglo halogen PAR 56 lamps was done by two Class 1 railroads which began in 2004. The tests were performed initially on switcher locomotives confined to the yard service. Road locomotives were then equipped with the Halogen lamp and the lamp life was much better than expected. Hour meters were used to measure lamp life, and one locomotive accumulated over 5,000 hours.

By 2006 the long life of Amglo lamps was confirmed, and railroads began to switch over to Amglo. The Amglo lamps are in compliance with rule 49 CFR Part 229.125 regulations as outlined by the Federal railroads Administration (FRA). The FRA modified the rules to permit railroads to continue to operate the locomotive, if one of the twin headlights is burnt out, providing the remaining lamp is a halogen type, which gives railroads using Amglo bulbs greater operating ability.

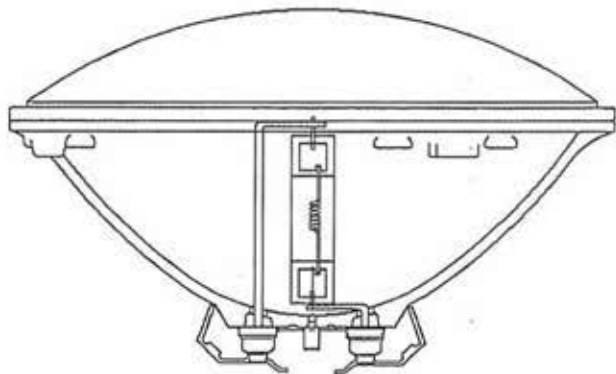
Amglo lamps are used by Class 1 freight railroads, short lines railroads, commuter and transit operators.





AMGLO QUARTZ HALOGEN 75V 300W/PAR 56

- Focused primary to save fuel cost by consuming less power
- Designed to meet 200,000 candelas
- Locomotives in lead average 8 hours a day, 350 days a year
- 50 watts savings compared to previous design at 350 watts is equivalent to 140 KWH/year
- Equals 38.32 gallons/year in savings
- 38.32 gallons at \$3.00 a gallon equals \$115.00 per lamp in savings per year.
- Made in USA



AMGLO HALOGEN 30V 200W/PAR56

- FRA Approved November 14, 2006. Made in USA
- Longer lamp life – Amglo Halogen lamp service life is 2000 hours vs. the incandescent lamp of 350 hours.
- Maintains light output of over 200,000 candelas throughout lamp life.
- The filament withstands vibration consistently throughout life.
- No signs of blackening due to Halogen cycle.

SIGNAL INDICATOR LAMPS

Amglo Halogen A19 75V 40W

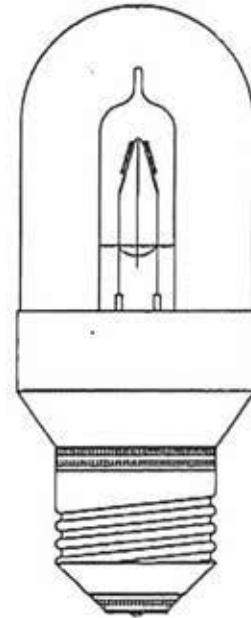
Amglo Halogen 75-volt 40-watt shock-resistant Locomotive Long Life Universal Lamp is a direct replacement for current Incandescent 75-volt 50-watt A19.

Benefits:

- Long Life – 10,000 hours vs. 1,000 hours
- Lower maintenance costs – less changeouts
- Superior light output – consistent throughout lamp life
- Similar light distribution – suitable for all applications
- No wall darkening due to Halogen technology
- Fits in current socket – no changes or additions required
- Withstands shock and vibration
- Reliable Light – there when you need it most
- Fuel savings due to lower wattage – reduce fossil fuel
- In compliance with Green Light Technology requirements
- Made in USA

Applications:

- Step Light
- Walkway Light
- Number Light
- Compartment Light
- Engine Room Light, and other



AHH 10V-XXW-IDMM (XX = power in watts)

Amglo Halogen 10-volt shock-resistant signal lamp. This lamp is available in 12 watt, 18 watt and 25 watt to replace incandescent 10 volt signal lamps 12/18/25S11-ISC

Benefits:

- Long Life – 10,000 hours vs. 1,000 hours for incandescent
- Superior light output – consistent throughout lamp life
- Lower maintenance costs – fewer changeouts
- Similar light distribution as incandescent
- No wall darkening due to Halogen technology
- Fits in single contact bayonet socket – no changes or additions required
- Withstands shock and vibration
- Reliable Light – there when you need it most
- Made in USA

Applications:

- Highway Crossing Signal Light
- Railway Wayside Signal Lamp
- Indicator Light

