

## Appollo White LED Loco Headlight



Part Number	A24LRH
Application	LED Loco Headlight
Dimensions	Diameter: 180 mm Depth: 150 mm
Bezel Part Number	A24LG
Application	LED Loco Headlight Bezel Replacement unit

### Product Description

The Appollo white LED Loco headlight is equipped with 3 x high power LEDs, which together with the optic lenses provide optimal lighting during loco operations. The unit also contains 3 x red LEDs, used for reverse operations.

The LEDs are connected in parallel, therefore if one LED should fail the remaining LEDs will still be working. The light output of the Appollo loco light is approximately 20 lux over 20 metres. This is above the required lux output of 10 lux over 20 metres for loco operations.

The headlight is supplied with a 5.5m, 3 core cable, to supply power to the headlight. The wiring for the headlight to the 24VDC power supply is as follows:

- Yellow / Green wire: Negative (Common);
- Blue wire: White LEDs positive;
- Brown wire: Red LEDs positive;

### Features:

- Robust enclosure;
- Super High flux output and high luminance LEDs;
- Optimal thermal design to maximize LED lifetime;
- Optical lenses used for optimal light output.

Electrical Specification	Min	Typ	Max
Input Voltage	20 VDC	24 VDC	30 VDC
Operating Current	330 mA	270 mA	230 mA
Power Consumption	6.6 W	6.5 W	6.9 W
Over Voltage Protection		33 VDC	

Appollo Light Output	Min	Typ	Max
Distance: 3 metres	738 lux	820 lux	895 lux
Distance: 6 metres	188 lux	209 lux	230 lux
Distance: 10 metres	66 lux	73 lux	80 lux
Distance: 20 metres	18 lux	20 lux	22 lux

*A new Appollo loco light is currently under development. The proposed light output of this new loco light will be 28 lux over 20 metres at the same power level. This new Appollo light will be launched August 2009.*