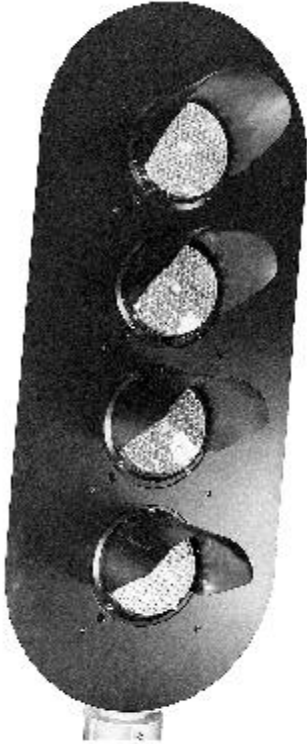


COLORLIGHT SIGNAL

MODEL CLS 2000 L.E.D.



- DIRECT REPLACEMENT FOR INCANDESCENT LIGHTING SYSTEM
- REDUCED MAINTENANCE COSTS
- COMPLETE SIGNAL HEAD ASSEMBLIES OR FIELD CONVERSION KITS TO FIT CLS-20R SIGNAL HOUSINGS
- HIGH VISIBILITY CHARACTERISTICS
- A MONO-CHROMATIC, SATURATED LIGHT SOURCE, WITH TRADITIONAL STANDARD LIGHT BEAM CHARACTERISTICS
- BUILT-IN LENS DEFLECTION FOR EACH L.E.D.
- LONG LIFE EXPECTANCY

Safetran's L.E.D. is visually compatible with existing incandescent bulb colorlight signals. Chromaticity (color) is similar to existing incandescent colorlights. And, of course, life expectancy is manyfold that of incandescent bulb light sources. With many small light sources, a single L.E.D. failure does not result in a dark signal.

The unique design of the CLS 2000 provides a superior light indication to a close-up train to clearly display the signal aspect, as well as being visible from a considerable distance.

Safetran colorlight units are designed to directly retro-fit into existing inservice CLS-20R housings, or they can be purchased as complete colorlight assemblies.

The L.E.D. produces mono-chromatic, saturated light. This type of light source is reputed to be considerably more visible than incandescent light sources of similar intensity.

SPECIFICATIONS

LIGHTING UNIT FOR CHANGE OUT

Voltage:	8 - 20 Volts AC or DC (110 VAC available)
Power Consumption:	10-13 Watts at 10 Volts
Temperature:	-40 degrees F to 160 degrees F (-40 degrees C to +71 degrees C)
Chromaticity:	Meets AAR Manual Part 7.1.10
Beam Pattern and Values:	Exceeds AAR manual part 3.2.37
Power Surge Rating:	130 VAC for 80 msecs and/or 54 VDC for 80 msecs Exceeds AAR manual part 11.3.3
Construction of Lighting Unit:	High strength polycarbonate

COMPLETE FLASHING

LIGHT HEAD

Die cast aluminum housing as used with incandescent model CLS-20R

(Contact your Safetran Sales Office for specific configuration and application information)

ORDERING INFORMATION

To order, specify description and part number.

Description	Part Number
LED Module, Red	044603-RX
LED Module, Yellow	044603-YX
LED Module, Green	044603-GX
LED Module, Lunar	044603-LX
