

BUS LED RETROFITS

INSTALLS QUICKLY.

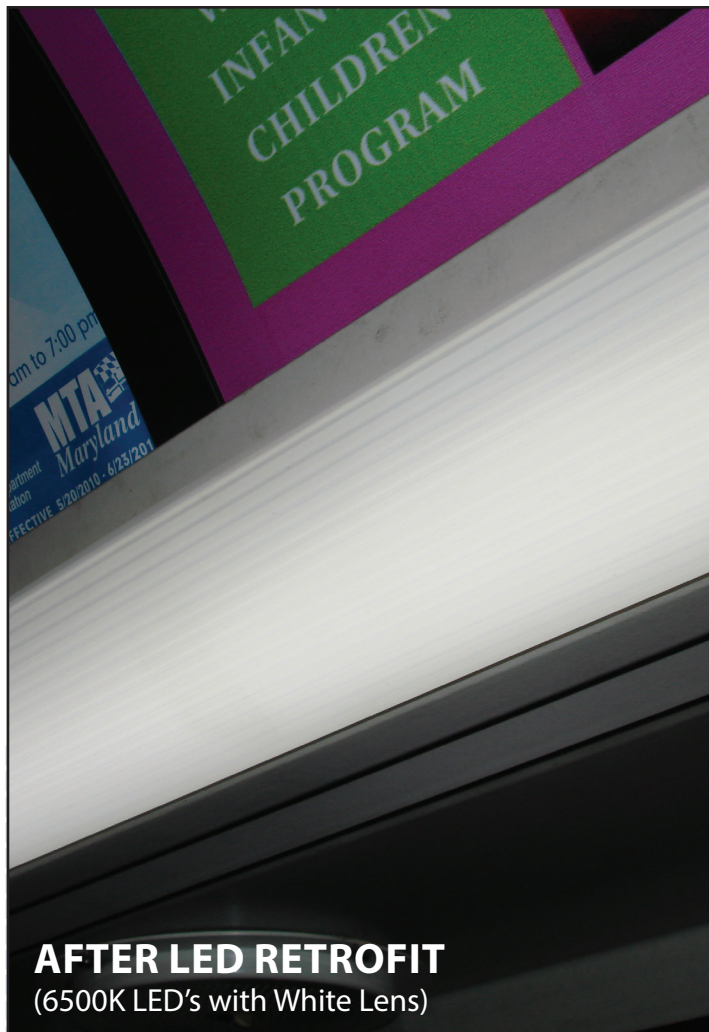
PROVIDES ENHANCED VISIBILITY.



A Safe Fleet Brand



BEFORE LED RETROFIT
(T12 Fluorescent Lamp)



AFTER LED RETROFIT
(6500K LED's with White Lens)

Pretoria's LED retrofit kits are easy to install into Pretoria or Transmatic L20 T12 fluorescent systems. The kit includes cut to length LED arrays, adjustable output LED drivers and installation hardware, with white or blue lens. LED colors are available in warm white (4,500K), or cool white color (6,500K).



BATTERY
12/24VDC available



USEABLE LIGHT
LEDs provide more useable light (400 lumen/foot) than fluorescents and have no hotspots



REDUCED WINDSHIELD GLARE
Reduce glare with multiple dimming options



WARRANTY
5 year



LOW MAINTENANCE
Low maintenance keeps buses in service longer

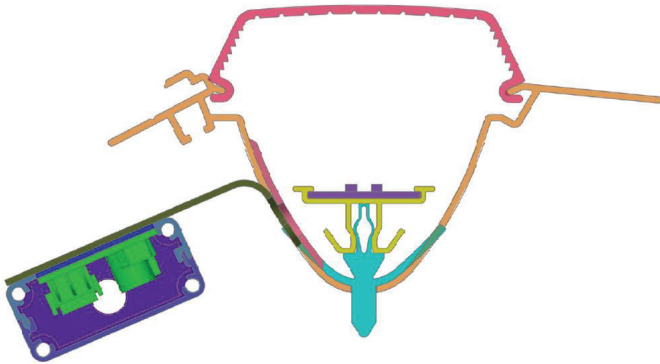
- **Available in Standard and Custom Lengths**
- **Plug and play - Each new fixture duplicates the replaced fixture**
- **5 dimming settings - 10, 20, 40, 60 and 80%**

PRETORIA TRANSIT INTERIORS LED RETROFIT SYSTEMS

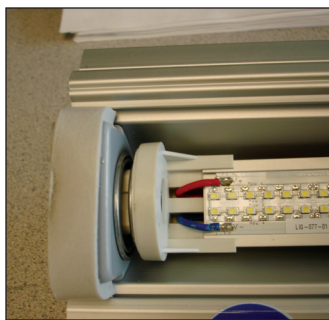
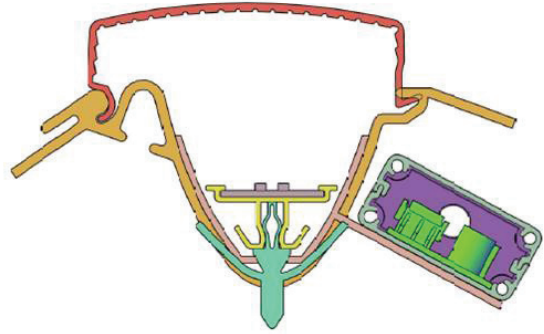
The Pretoria and L-20 Retrofit Systems Offer:

- SBPG compliant light levels
- Low voltage with reduced power consumption versus Fluorescent systems (approx. 35%)
- Two LED colors available, nominal 6500K Cool White (replicates daylight) or nominal 4500K Warm White (replicates common fluorescent lamps)
- New polycarbonate lens that match Pretoria or L-20 profiles
- Standard lens color is white and blue/white
- Each fixture can fully Extinguish or Dim at a 10%, 20%, 40%, 60% or 80% light output level.
- 12 and 24 VDC systems available
- LED extrusions match existing lamp tube lengths
- Light output equivalent to 400 lumens / foot
- Precision color consistency via internal sub-binning process
- Individual power supplies per fixture. Features include protection against: under/over voltage, reverse polarity, and short circuit via auto resettable circuit. SAE J1455 compliant
- Systems are easy to service and are backed by a limited 5 year warranty
- Each kit includes: New Lens, LED array, LED Driver, and all Mounting Hardware with customer Specified Power Connector to bus pigtail
- Simple, quick and solid conversion to LED technology

Pretoria Fluorescent Cross Section



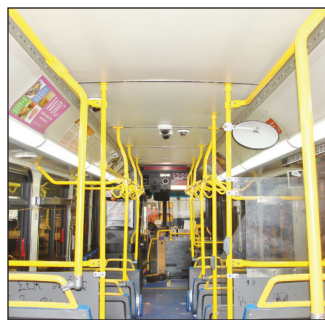
L-20 Fluorescent Cross Section



The LED array simply replaces the T12 fluorescent lamp.



LED retrofit system installed into a Pretoria T12 fluorescent system.



LED retrofit system installed into a L20 T12 fluorescent system.



Each system comes with new white or blue lens helping to create incredible light.