Compared with fluorescent lamps, including ballast, these lamps cut power consumption by 55% and weigh 75% less. Conversion to LED limits waste since LED lamps are suitable for existing fluorescent lamp fixtures.

Straight Tube LED Lamps for Rail Cars

**LED lamp with built-in power source for rail cars**

Curbs power consumption and equipment weight

Compared with fluorescent lamps, including ballast, these lamps cut power consumption by 55% and weigh 75% less. Conversion to LED limits waste since LED lamps are suitable for existing fluorescent lamp fixtures.

**Product Description**

- Designed specifically for rail cars, these straight LED lamps feature a built-in power source, making it particularly easy to switch from existing rail car fluorescent lamps.

**Features**

- Weigh about 49% less, compared with LED lamps that have a separately attached power device
- Switch to LED lamps using existing fluorescent lamp fixtures is possible during remodeling of existing rail cars, and installation of LED lamp will not necessitate removal/disposal of the existing lamp fixture
- Emergency lamps (DC power source) will go out in a two-stage process (fully illuminated → semi-lit → off), accompanying the voltage drop that occurs when a rail car cannot operate normally (on battery power), and lighting time will be extended

* Patented