



PICKERSGILL - KAYE GROUP of COMPANIES

PICKERSGILL - KAYE LTD
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PICKERSGILL ELECTROPLATING LTD

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LED Cantrail Lights

The days of trains being out of service with Cantrail light bulb failure are numbered. The latest LED technology is set to revolutionise reliability figures for train indicators.

Pickersgill-Kaye Limited have developed a series of robust Cantrail lights designed for outstanding performance and low whole life costs.

Background

In 1992 Pickersgill-Kaye Limited undertook the development of a secondary locking system for the NSE fleet of slam door EMU's.

The specification required that a bodyside amber light to indicate the system status be provided. Such lights are standard on power door stock but the overall system reliability targets could not be met with traditional filament bulb units nor with any other available product.

We therefore initiated the development of a suitable alternative product.



In order to ensure fitness for market, we undertook extensive consultation with railway engineers, maintenance staff, operations management and end users. This was followed by rigorous testing to all current railway standards and finally by field trials on a Class 421 EMU.

The Pickersgill-Kaye Limited Cantrail Light was the outcome of this meticulous development process and has received such positive feedback that the unit is now in production and we can offer a range of lights for all vehicle types, both for new build and retrofit.

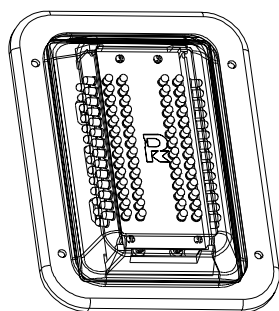
Benefits

- High reliability LED technology
- Long service life
- High contrast (eg, can be seen in bright sunlight)
- Clear signal from anywhere on platform
- Cleans easily during normal washing operations
- In the very unlikely event of an internal failure, the unit still gives a clear signal in all directions and therefore maintenance can take place at a planned time
- Easy to install or retrofit
- Low maintenance
- Low whole life cost

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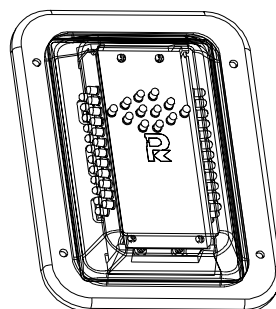
Product Range

PK Part No.	LED Configuration	Current (nominal)	Voltage (nominal)
K2755-000	Full	40mA	96V
K2772-000	Diamond	40mA	96V
K2769-000	Full	110mA	72V
K2773-000	Diamond	55mA	72V
K2754-000	Full	130mA	24V
K2774-000	Diamond	100mA	24V
K2756-000	Full	130mA	24V
K2775-000	Diamond	100mA	24V



Full LED Configuration

Large LED cluster = high intensity, visible down the longest of trains and platforms

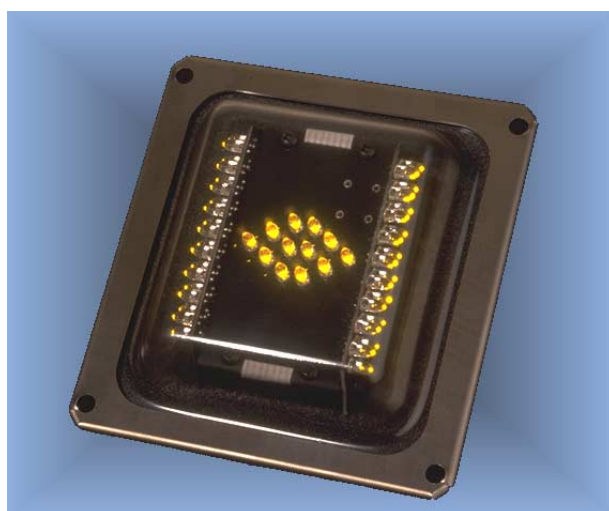


Diamond LED Configuration

Smaller LED cluster for use on smaller trains / metros

Specification

- Multi-circuit LED amber light source
- Optional mixed colour light source if required (red / amber)
- Various LED configuration options
- RIA 12, 13, 18 and 20 tested
- IP 66 tested
- Surface mounted on bodyside
- Minimum protrusion
- Plug connector (IP 66 sealed)
- 24v, 72v, 96v versions
- Operates within railway voltage tolerances



Fleet orders supplied to date

- South West Trains CI 159, 442
- Angel CI 142
- Iarnród Éireann new build ARROW & DART vehicles
- Scotrail CI 150/2
- Northern Ireland Railways 450 Class
- Connex South Central CI 508
- Various Trials on CI 156, 158, 313, 315, 321, 365, 465, Mk3 HST