

QuarterLite

Low energy lighting for illuminated signs



- High performance lighting
- Energy savings of 65% (or more)
- Life expectancy 50,000 + hours
- Maintenance free
- Reduces CO2 and Carbon emissions
- No bulb or tube disposal costs
- Easy to retro-fit into existing signs

Technical Sign Design

Expedio Lighting Ltd operates a technical design service to plan the layout for QuarterLites in all shapes and sizes of illuminated signs. This can be single sided, double sided, unusual shapes signs and illuminated letters.

The design service is free to Sign Makers and Retailers. We provide a PDF file of the optimal layout with dimensions to allow the manufacture of a new sign or the retro-fitting into an existing sign. This will also provide details for the energy saving calculations.

Energy Saving Calculations

Expedio Lighting Ltd will provide detailed energy saving calculations for its QuarterLites compared to other types of lighting. These include total kWh per year at energy costs forecasted over five years. Generally this saves greater than 65% of the electricity used by Fluorescents.

The calculations show the CO2 and Carbon consumption and savings.

QuarterLites are a new type of very low energy lighting using high brightness Light Emitting Diodes (LEDs). They fit onto the back of the sign box and light is emitted sideways through 360°. The light reflects off the sides and back of the box to produce an even illumination out of the front of the sign without shadows or hotspots.

QuarterLites are replacing fluorescent tubes in illuminated signs because they reduce energy consumption by 65% or more. They don't require maintenance for over 50,000 hours, that's over 13 years if used for 10 hours per day.

The savings in energy costs alone will pay for the QuarterLites within 15 -18 months. This is considerable quicker if the reduced maintenance costs are included.

The QuarterLites can be used for lighting internal and external advertising signs, company names and billboard signs. They are suitable for use in:

- Flex-face signs
- Fascia signs
- Direction signs
- 6-Sheet Adverts
- Double sided signs
- Circular signs
- Menu signs
- Illuminated letters



Expedio Lighting Limited
Low Energy Lighting Specialists

Expedio Lighting Ltd
Beamore
Drogheda
Co. Louth

Tel: 00353 41 98 421 46
Fax: 00353 41 98 340 18
Email: info@expediolighting.com
Web: www.expediolighting.com



MAIF offices: Paris

QuarterLites have been installed at MAIF an insurance company in Paris. They are situated in the main stairwell behind heavy sheets of decorative glass panels.

They were chosen because of the QuarterLites very low maintenance requirement. Used 10 hours per working day, they will not require maintenance for 20 years.

Energy savings 76%

The image shows the left panel missing with the QuarterLites illuminating the light box. This image also demonstrates QuarterLites unique ability to illuminate the sign evenly, without hot spots or shadows, particularly on pale colours.



Vimto M6 sign: Lancashire

Vimto is a purple, soft fruit drink manufactured by Nichols Plc. They have installed a 5000 x 2000 mm Flex-face sign at their head office on the A49/J23 Haydock junction of the M6 in North West England. The sign is illuminated by 70 QL4 QuarterLites as a bright, low energy alternative to fluorescent tubes.

QuarterLites were chosen because of their very low maintenance requirements. The sign is situated between the third and fourth floors and is difficult to access. If used 10 hours per day the QuarterLites will be maintenance free for over 13 years.

Energy savings 84% when compared to fluorescent tubes.



Expert Electrical: Ireland

Expert is Ireland's largest electrical retailer with 69 stores nationwide. They are re-branding their stores in Ireland and across Europe.

QuarterLites were chosen because of their huge energy saving capabilities and very low maintenance requirements. They have been installed in the 1500 mm and 1800 mm circular sky signs.

Energy savings 80% when compared to fluorescent tubes.



6 Sheet advert: London

QuarterLites are ideally suited for external advertising signs. They are easy to retro-fit into existing signs. Unlike fluorescent tubes they do not produce hot spots or dark strips on the adverts.

The image on the left is an installation in Oxford Street, London. The QuarterLites produce a brightly illuminated advert against a background with high ambient light levels.

Energy savings 72% when compared to fluorescent tubes.