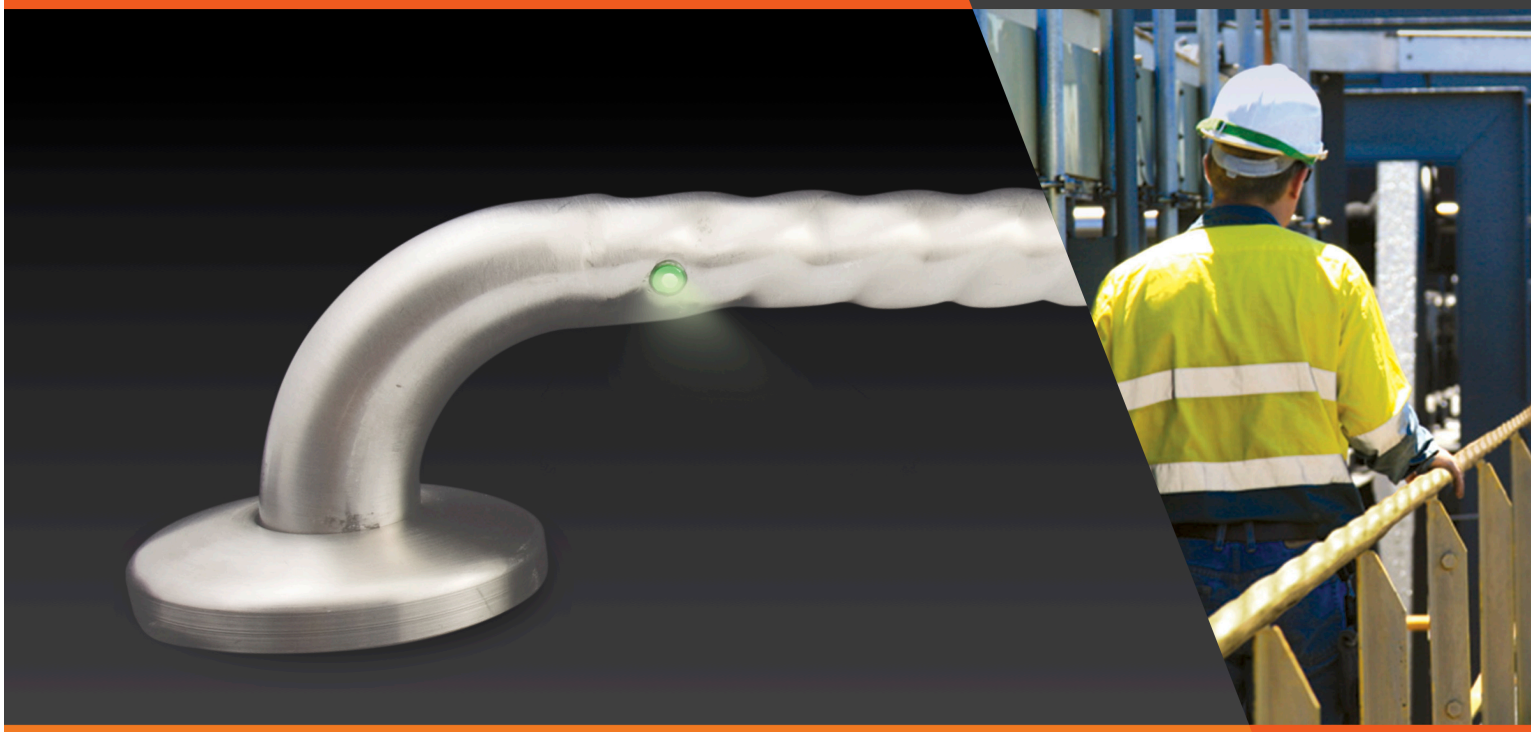
More than a shining light

KAG Safety Rail with Fibre-Optic Lighting

ACUSAFE
Enhancing Safety



The KAG Safety Rail is available with fibre-optic lighting for low-lit or underground areas, and 24-hour operations.

The KAG Safety Rail with fibre-optic lighting provides increased visibility for night staff, improved protection from 'no go' zones and added directions through different coloured lighting.

This value-added feature is just another one of Acusafe's smart solutions for maximum safety and wellbeing:

- Weather proof and water proof.
- Intrinsically safe.
- Absorbs high-impact without effect on operations.
- The light engine requires minimal space.
- Heat defuse and electronic volt converter is incorporated with engine.
- Power requirement to run fibre-optics is 3W.
- Still ensures the KAG Safety Rail's grip is 100% effective.
- Perfectly suited for marine, oil and gas industries.

KAG Safety Rail's 'Triple P' Rating

The KAG Safety Rail's fibre-optic lighting is not only good for your **people** but good for your **profits** and the **planet**!

The inclusion of lighting within the KAG Safety Rail not only makes for safer work areas and walkways but is more efficient and cost-effective to run.

Turn over the page to see how!

For more information visit www.seaquestmarine.com.sg

Smart and sustainable

Based on independent testing by HIBB Electrical, the LED driver in the fibre-optic hand rail has been proven to be 14 times more energy efficient and cheaper to run compared with a 36W (Watt) fluorescent tube.

The testing looked at the energy efficiency break-down for the LED driver in KAG fibre-optic hand rail compared to a 36W Fluorescent tube (based on 5m of KAG fibre-optic hand rail lighting):

	36W Fluorescent Tube (Based on 2 x single 36w light fittings to cover a 5m area).	**KAG Safety Rail** with fibre-optic lighting
Consumption	72W per 5m	5W per 5m
Hour Life	15,000 hrs The disposal of redundant tubes also needs to be considered.	50,000 hrs
Life Span (12 hrs per day, 365 days a year)	3.42 years	11.4 years
Energy consumption based on 12 hrs per day, 365 days a year.	315KW	21.9KW** hrs
Annual running costs (@21c per KW)	$66.15	$4.60
Maintenance	More than 3 times the maintenance costs of the LED (conservatively).	This style of lighting has the lowest maintenance cost of any light, as there is one source of lighting per 5m.

*This example is for replacement of fluorescent lighting only, but comparable results will be seen across the board when replacing existing lighting with LEDs. You can also replace flood lights. Flood lights will have a minimum of 80% savings of electricity costs compared to current technologies being used.

**KW - kilowatt

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