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CANADIAN INDUSTRIAL EQUIPMENT NEWS

Let there be LIGHT

HEAVY-DUTY FLOOD PLAYS IT COOL

BY MATT POWELL, ASSISTANT EDITOR

Lind's Beacon LED cuts energy costs and makes the handling of portable lighting safer.

Brian Astl isn't fond of innovation for its own sake. It must serve a purpose. The vice-president of sales for Lind Equipment Ltd. is, however, certain the company's latest offering will not only make regular industrial maintenance easier, but safer thanks to a new LED floodlight technology that reaches a maximum temperature barely exceeding the 31 degree C reading of a human hand.

Lind, a manufacturer of electronics and industrial lights based in Markham, Ont. with operations in Williamsville, NY, says its portable 50-watt "Beacon" LE970LED floods provide white light equivalent to a 500-watt quartz halogen bulb, but use 90% less energy for savings of up to \$100 a year per unit. They're also a lot safer, reaching a maximum temperature of 35 degrees C, making the lights easier to handle. And light emitting diodes make them rugged.

"You can bang them around without too much worry; they're pretty durable," says Astl, noting by comparison, that fragile quartz halogen bulbs could explode if they come in contact with the natural oils found on a worker's hands, much like bulbs used in household pot lights.

The 10-pound LE970LED is built with an IP65-rated weatherproof cast aluminum housing and the tempered glass lens has a run time of up to 50,000 hours. If you are so inclined, you could leave a Beacon on 24/7 for up to five years.

Energy saver

Astl says the lights can be used during plant shutdowns as an energy conservation practice, and for a number of maintenance activities, including confined welding operations such as work inside oil tanks.

ABOUT LIND

The Markham, Ont. manufacturer, founded in 1949, exports most of its product to the US because of voltage constraints (North America is 120 volts, while the rest of the world is 240 volts). It does, however, supply static bonding and grounding equipment to oil and gas hubs around the world. And it has developed a portable static grounding monitoring system.



Lind's Beacon LED floodlight makes industrial maintenance safer and brighter. PHOTO: LIND EQUIPMENT

That's how the Tank Store, a manufacturer of oil tanks and separators based in Halkirk, Alta., uses the Beacon.

"It's super-tough and super bright, but it doesn't kill the eyes," says Codee Sorenson, a shop foreman at the Tank Store. "It lights up the whole tank without any shadows, which is a major benefit."

Lind performed a temperature comparison of LEDs and quartz halogen bulbs using FLIR infrared cameras. After four hours, the quartz halogen bulb had reached a maximum temperature exceeding 300 degrees C. That's the melting point of pewter. Human skin burns at 100 degrees C.

That's why quartz-halogen bulbs are covered with grates designed to keep curious hands away, but the grating also creates shadows. The Beacon emits the same amount of usable light, but operates at a temperature that would not cause serious injury should an accident occur – and no shadows – making it a cooler and safer way to light up industry.

Comments? E-mail mpowell@plant.ca.

>> Supplylines

CRUSHING GLOBAL MARKETS

McLoskey International is taking its show on the road with an expanded presence at the bauma 2013 international trade fair in Munich, Germany for heavy machinery used in construction, building materials and mining. The manufacturer of screening and crushing machinery based in Peterborough, Ont. has added booth space to showcase its line of crushers, screeners, trommels and stackers. The company has been adding international dealers to represent its products around the world. Last year it expanded its workforce and plants in Canada and Northern Ireland.

STREAMLINED DISTRIBUTION

Brennan Industries Inc. is streamlining its distribution in Canada with a new, more efficient facility. The international supplier of hydraulic fittings and adapters based in Cleveland has moved to American Drive in Mississauga, Ont., close to its original location on Viscount Rd. Brennan opened its Canadian distribution centre in 2009 to save customers time and to cut their costs.

90 YEARS AND STILL LIFTING

The Raymond Corp. is celebrating its 90th anniversary as a supplier of materials handling equipment this year. The company began producing lift trucks in 1922 when George Raymond Sr. purchased Lyon Iron Works, a small foundry in Greene, NY. In 1934, Raymond invented the first hydraulic hand pallet truck. The company's products are distributed in Canada by Johnston Equipment, which is based in Mississauga, Ont.

\$40M ABU DHABI DEAL

Honeywell International has been awarded four major contracts worth a combined \$40 million over 18 months for the Bourouge petrochemicals complex in Ruwais, Abu Dhabi. It will be the main automation contractor for this project, providing Linde and other engineering, procurement and construction contractors with integrated control and safety systems, including the Experion Process Knowledge System C300, Safety Manager and Advanced Process Control. Bourouge 3, the latest expansion of the polyolefins plant,



will manufacture ethylene, polyethylene, polypropylene, and low-density polyethylene (LDPE). Honeywell, a diversified technology and manufacturing company based in Morris Township, NJ, serves a variety of industries from offices across Canada.

Honeywell's Safety Manager, a SIL-certified integrated safety platform.

PHOTO: HONEYWELL