

FLASHLIGHT TRENDS DRIVE OPPORTUNITIES

AARON FREUND, STREAMLIGHT DIRECTOR OF SALES – INDUSTRIAL/FIRE

One of the major trends in professional lighting today continues to be rechargeable lighting products. Over the last several years, more and more industrial professionals have turned to rechargeable flashlights, lanterns and headlamps because they can be charged on the go, resulting in always-on availability. They also offer extremely low operating costs by eliminating costly replacement batteries, and can even help environmentally conscious companies reduce their carbon footprints by reducing the number of spent batteries in landfills.

Another focus is the continuing development of multi-function work lights that can be used to illuminate hard to reach spaces, and be positioned and adjusted as needed, while keeping hands free. For example, Streamlight's new BearTrap 360 is designed to clamp on virtually any surface and pivot both vertically and

horizontally to provide bright, white light in both spot and flood modes to assist with inspections, repairs and so much more. It also features a magnetic base.

Industrial professionals also can now choose from a growing line of lighting products equipped with Color-Rite technology which use high CRI (Color Rendering Index) LEDs that allow users to see the color spectrum as they would in natural light. These lights provide a softer, warmer beam allowing technicians or shop workers to see specific colors or imperfections and subtle details, such as differentiating wire colors in electrical panels or identifying imperfections in finish inspections of products, including parts. The soft lighting of high CRI LEDs also reduces eye strain and fatigue for many users.



FREUND

SETTING THE STANDARD FOR SAFETY-CERTIFIED LIGHTS

JON FRENCH, RESEARCH AND PRODUCT DEVELOPMENT, PELICAN PRODUCTS INC.

Volatile environments require specialized lighting solutions. Oil refineries, coal mines, and paper mills are just a few environments where flammable, combustible, or ignitable substances exist. Safety certified lights undergo rigorous testing to ensure they are a safe source of illumination in these environments, reducing the risk of fire, electrical shock, and other potential hazards.

As a leader in safety-certified lighting, with more safety approved lights certified for Class I, II, III Div 1 and groups A, B, C, D, E, F, G, than anyone else – we believe a couple of key factors go into the engineering and development of every Pelican safety light.

MATERIALS SELECTION IS THE FOUNDATION

Materials selection is an essential step in the development process. For example, in locations where flammable or combustible particulates

potentially exist, specialized safety certified circuits that maintain energy levels specified by safety standards are paramount to preventing sparks or points of ignition. Secondary, but arguably just as essential is the lights' ability to perform day in day out – through exposure to impacts, moisture, dust and more. Therefore, selecting the right thermoplastic polymers that meet the safety and durability requirements of even the most demanding industrial environments is critical.

PRODUCT DESIGN HAS EVERYDAY IMPACTS

From body length to button sizes to types of LEDs, every aspect of a Pelican safety-certified light is engineered for maximum performance. By incorporating end users into our research and design, seemingly simple characteristics like button size become far more calculated. For example, industrial environments often require

professionals to wear PPE - like safety gloves – necessitating larger buttons to enable easy, seamless operation with gloves on. While this is just one simple example, additional features such as correct color technology, articulating heads, and more feed Pelican's unmatched performance in the field.

TESTING & CERTIFICATIONS ENSURE PERFORMANCE

Safety certified lights include a variety of considerations and compliance requirements – an arduous process that demands extensive testing and certifications from the most knowledgeable institutions in the industry. Pelican safety-certified lights are crafted to be in accordance with the criteria set forth by the Standard for Intrinsically Safe Apparatus and Associated Apparatus for use in Class I, II, III, Division 1, hazardous locations.



FRENCH