



SEE THE FUTURE. THE MERCMaster LED LUMINAIRES.

SOME THINGS DON'T CHANGE, THAT IS WHY THIS CHANGE IS HUGE

Hazardous industrial locations have always demanded lighting fixtures that deliver utmost safety and dependable illumination for critical tasks. But some things are changing right before your eyes. Lighting designs in hazardous locations are increasingly responsible for energy efficiency and “green” operations to save money and precious resources.

LED lighting has come to hazardous locations, and the Mercmaster LED luminaire is setting the industry standard for safety, performance and efficiency. To control the future, you need to see it — the Appleton Mercmaster LED Series of luminaires.

MERCMASTER LED: THE CHOICE FOR A SMART FUTURE.

The Appleton Mercmaster LED luminaire delivers exceptional efficiency, performance and advanced engineering. In day-to-day use, installation and maintenance, the Mercmaster LED luminaire's superior design simply shines. Designed to utilize as little as 32 Watts of power lowers energy consumption while providing 60,000+ hours of running lamp life.

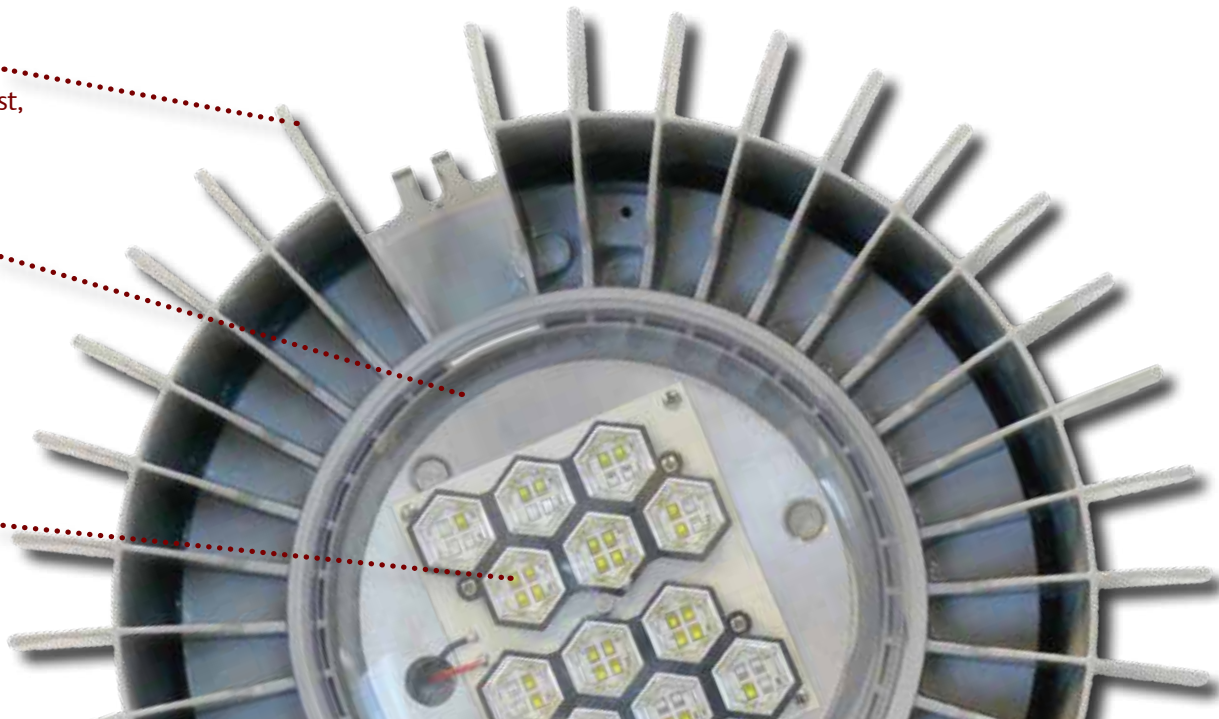
The Mercmaster LED luminaires bring their energy-saving benefits to customers worldwide, setting the bar even higher for the lighting industry in terms of shock resistance, cold start capabilities, minimal heat production which improves service life, and overall safety. This fixture offers a flexible, modular design that allows for retrofits and plant expansions to meet unique installation requirements.

Certified for Class I, Division 2 / Zone 2 locations, it provides global lighting solutions for a wide range of industrial and hazardous applications while delivering the best photometric performance on the market. With such high efficacy ratings (lm/W), Mercmaster LED luminaires truly generate the energy savings our customers have grown to expect.

- Heatsink enables reliable heat transfer via the diecast, aluminum body

- A choice of high impact resistant clear or diffused polycarbonate lens, or a prismatic glass refractor to optimize lighting requirements

- An internal array directs light to where it is needed

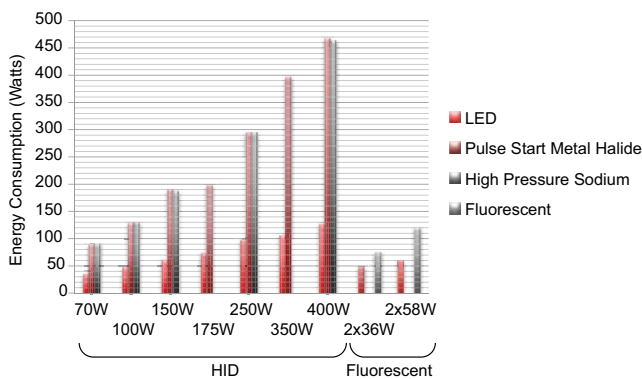




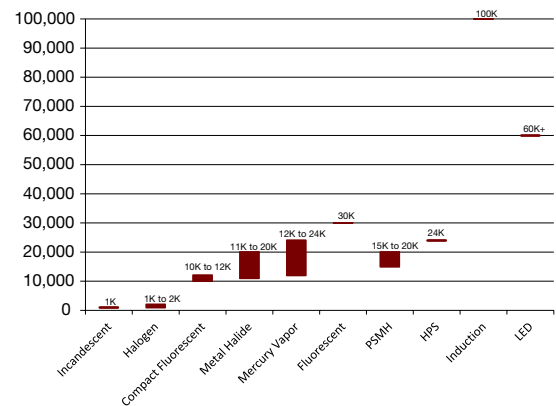
PULP AND PAPER MILLS



MANUFACTURING FACILITIES



ENERGY CONSUMPTION COMPARISON



LIGHT SOURCE LAMP LIFE COMPARISON

EXCEPTIONAL DESIGN

In areas requiring better visibility and instant-on illumination, the complete range of Mercmaster LED luminaires provide a low maintenance, energy efficient solution.

- Upgraded LED arrays generate light outputs from 2,300 to 12,850 lumens (an equivalent of 70 W HID to 400 W HID lamps) providing exceptional efficacy
- Universal drivers cover voltage requirements for 120-277 Vac and 347-480 Vac
- Eight distinctive lumen output versions are available with NEMA Type I or Type V light distribution patterns
- Single-piece, lightweight aluminum body utilize the same six mounting hoods as the Mercmaster III Series
- Designed to fit conduit or cable installations and use the same wiring as HID fixtures
- Supplied with terminals to assure straightforward wiring

VERSATILE APPLICATIONS

Mercmaster LED luminaires comply with current NEMA, UL, CSA, ATEX/IECEX and NBR IEC applicable standards for a wide range of worldwide industrial areas. They meet Dark Sky™ specifications for low glare, focused beam and avoidance of overlighting.

Energy efficient, where flammable gases and vapors are present, as well as marine and wet locations subject to severe weather, excessive moisture and corrosion, including:

- Pulp and paper mills
- Processing plants
- Chemical plants
- Oil refineries
- Foundries
- Food processing plants
- Waste and sewage treatment plants

Emerson brings integrated manufacturing solutions to diverse industries worldwide. Our comprehensive product line, extensive experience, world-class engineering and global presence enable us to implement solutions that give our customers the competitive edge. Appleton is our premium line of lighting and electrical products for hazardous and industrial locations.

For over 150 years, our electrical product brands have been providing a rich tradition of long-term, practical, high quality solutions with applications ranging from the construction and safe operation of petrochemical and process plants to providing quality power that precisely controls automotive robotic production.

Engineers, distributors, contractors, electricians and site maintenance professionals around the world trust Emerson brands to make electrical installations safer, more productive and more reliable.

The Appleton Group business unit of Emerson is organized into three focused groups that provide distributors and end users expert knowledge and excellent service.

ELECTRICAL CONSTRUCTION MATERIALS

This group is made up of the Appleton and O-Z/Gedney brands, offering a broad range of electrical products including conduit and cable fittings, plugs and receptacles, enclosures and controls, conduit bodies and industrial and hazardous lighting. Whether the application is hazardous location, industrial or commercial, the electrical construction materials group has the products to meet your needs.

POWER QUALITY SOLUTIONS

The SolaHD brand offers the broadest power quality line, including uninterruptible power supplies, power conditioners, voltage regulators, shielded transformers, surge protection devices and power supplies.

HEATING CABLE SYSTEMS

This group is made up of the EasyHeat and Nelson brands, offering a broad range of electrical heating cable products for residential, commercial and industrial applications.

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+ 61.3.9721.0348

Canada
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China
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