



Extend luminaire life while reducing energy consumption

In many locations where hazardous gases or dusts are present, lights are kept on 24 hours a day due to warm-up delays of legacy HID lamps. This occurs even when the sun is shining, and no personnel are present. Not only does this increase energy consumption, it also requires more frequent maintenance. The continued need for luminaire maintenance increases risk by adding to the time plant personnel spend in harsh and hazardous environments and costs money which could be better spent on other maintenance activities.

Facilities can reduce energy consumption and maintenance needs while enhancing safety for harsh and hazardous locations with the new Appleton™ Mercmaster™ Connect LED Luminaires by Emerson. Each luminaire detects motion and ambient light levels and communicates across a WirelessHart™ network to Plantweb™ Insight by Emerson. Installed above the process area as part of a WirelessHart network, Mercmaster Connect strengthens the network by creating additional communication paths between devices.

To learn more connected LED Luminaires, contact your local Appleton representative.



APPLETON™

For product information:
www.appletonelec.com
1.800.621.1506




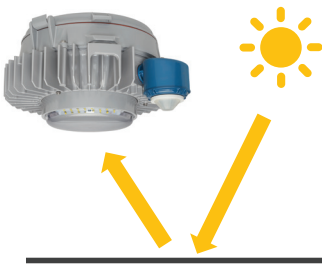
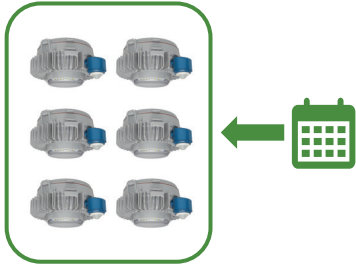
CONSIDER IT SOLVED™

Mercmaster Connect LED Luminaires are available in a wide range of lumen outputs, color temperatures, light distribution patterns, globe selections, and input voltages to optimize the lighting layout. Mercmaster Connect is compatible with all existing Mercmaster III mounting hoods and can also utilize retrofit adapters for competitor's installations.

Mercmaster Connect's integrated occupancy sensor detects personnel from up to 40 feet away, and will turn on automatically. The luminaire will dim after personnel leave the area. An additional photo sensor measures the light level in the area and adjusts the light output to maintain a consistent light level where personnel work.

Plant supervisors and electricians can now tune the light levels and add simple time-based controls for groups of luminaires throughout their facility from the control room. The Plantweb Insight Connected Lighting application monitors the health of the system and will report when maintenance is required.

Simplify light commissioning and grouping with a straightforward interface by adding luminaires into any combination of functional groups. Custom schedules, light levels, and controls ensure plant personnel never enter a dark area, keep energy costs low, and reduce luminaire operating time.

<h3>Occupancy</h3> <p>Detects motion of human sized objects</p>  <ul style="list-style-type: none">• Passive Infra-Red Detection• Triggers all grouped lights to max brightness• Selectable Fresnel lens focuses detection area size <p>Up to 40 ft detection distance</p>	<h3>Daylight Harvesting</h3> <p>Sunlight adjusts luminaire brightness</p>  <ul style="list-style-type: none">• Measured natural light automatically trims light output• Maintain minimal light levels in specific locations• Beneficial for both indoor and outdoor locations. <p>Adjustable output</p>	<h3>Scheduling</h3> <p>Time based controls</p>  <ul style="list-style-type: none">• Schedule up to four time periods per day per group• Network time stamp keeps all luminaires in sync• Best for regular use locations like parking lots, streets <p>Create unique group schedules</p>
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Gain operational insight into your facility's lighting with Appleton connected luminaires and Plantweb Insight by reducing energy consumption and extending fixture life. Choose the Appleton Mercmaster Connect LED Series by Emerson.