



LED Solutions for Your Entire Water/Wastewater Facility

Light Up Every Area, from Industrial to Hazardous

A proper lighting plan is crucial to efficient water/wastewater plant operations. When you select a lighting technology, you are investing in one of the largest energy expenses throughout your facility. The lighting solution you choose should not only deliver superior illumination, but it must also be certified to meet the rigors of your environment and enhance workplace productivity.

At Emerson, we have engineered our Appleton™ LED luminaires to provide optimal lighting performance under the most extreme conditions. Our LED solutions are certified for varying degrees of hazardous location protection, from heavy industrial to Division 1 explosionproof. Unlike traditional lighting technologies, Appleton LEDs reduce energy consumption and maintenance costs – translating into real savings for your facility.

“Waste Supply and Waste Water Treatment Systems account for 35% of municipal energy use” – the American Council for an Energy-Efficient Economy.

Switching to LED can significantly reduce your energy expense and maintenance requirements for overall lower cost of ownership.

Tested LED Solutions to Solve Your Toughest Challenges

Our Appleton LED luminaires are tested to perform in environments beyond your worst expectations relative to corrosive atmospheres, extreme temperatures, heavy vibration and electrical disturbances.



Marine
Salt exposure, wind testing and NEMA 4X



Corrosion
SS components and powder coat protection



High Temperature
2,000 hours steady at highest ambient



Ingress Protection
Rain or immersion test based on specification



Vibration
10hrs at resonant frequency, 5-10G



Low Temperature
Cold start & power temperature cycling. 200, 8 hour cycles



Strife Test
Increase ambient until failure. 4hrs each level



Surge
Meet standards and survive 40 strikes at rated kV



Impact
Thermal shock followed by blunt impact



For product information:
www.appletonelec.com
1.800.621.1506



CONSIDER IT SOLVED™

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Mercmaster™ LED Generation 3 (Class I, Division 2)



A task light designed to provide higher lumen outputs, and ambient temperatures with additional light distribution and voltage options. Retrofit-able to installed Mercmaster HID mounting hoods. Available in 90 and 180 minute Emergency Battery Backup options. **Industrial versions available for ordinary (unclassified) locations.**

Mercmaster LED Low Profile (Class I, Division 2)



Ultimate flexibility in low mounting heights to meet visibility needs with field changeable globes and accessories. Retrofit-able to installed Mercmaster HID mounting hoods. Available in 90 and 180 minute Emergency Battery Backup options. **Industrial versions available for ordinary (unclassified) locations.**

Baymaster™ LED (Class I, Division 2)



Baymaster LED luminaires quick-mount pendant system makes for faster and safer installations. This high bay fixture will give your workers bright and consistent light to be safe and productive on the job. **Industrial versions available for ordinary (unclassified) locations.**

EHLED Handlamp (Class I, Division 1 and 2)



This portable explosionproof LED handlamp is suitable for use in wet locations. With a weight of only 4lbs and a small footprint, this LED solution is great for tight spaces in the harshest environments.

Code-Master™ LED (Class I, Division 1)

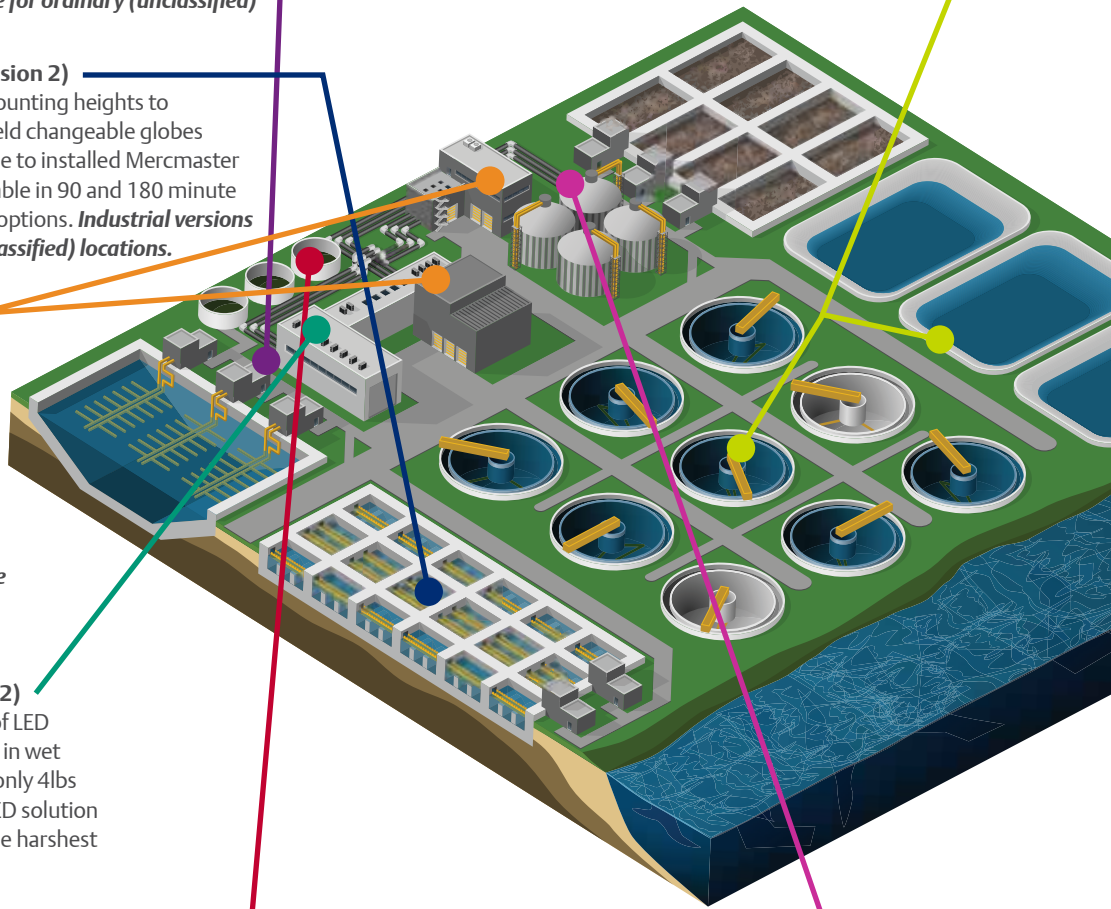


An explosionproof LED solution for a wide range of lumen outputs. Compatibility with existing HID Code • Master mounting hoods provides for a quick retrofit, and a robust design with replaceable components ensures years of trouble-free operation.

Areamaster™ Generation 2 LED (Class I, Division 2)



The reliable and rugged Areamaster Generation 2 LED provides greater light uniformity and coverage. With higher lumen output and a choice of beam patterns, this floodlight fixture is designed to meet your diverse needs. **Industrial versions available for ordinary (unclassified) locations.**



Code-Master Jr. LED (Class I, Division 1)



An explosionproof LED solution for lower mounting heights and lumen needs, the Code-Master Jr LED can retrofit to existing HID Code • Master mounting hoods for quick installation. With its small footprint and light weight design, this fixture is ideal for tight fit applications.

Product Summary

| LED Lighting Product Series | Lighting Application | HID Equivalent | Wattage | Lumens | Efficacy (Lm/W) | Color Temperatures CRI |
|-----------------------------|----------------------|----------------|----------|--------------|-----------------|------------------------------|
| Code-Master LED | Area/Task | 100W - 750W | 32W-157W | 2,100-19,300 | 131 | 3000K/80, 4000K/80, 5000K/70 |
| Code-Master Jr LED | Area/Task | 50W - 150W | 13W-49W | 1,600-5,150 | 131 | 3000K/80, 5000K/70 |
| Mercmaster LED Generation 3 | Area/Task | 70W - 600W | 30W-210W | 2,600-26,000 | 149 | 3000K/80, 4000K/80, 5000K/70 |
| Mercmaster LED Low Profile | Area/Task | 70W - 175W | 28W-50W | 2,800-5,500 | 125 | 3000K/70, 4000K/70, 5000K/70 |
| Areamaster Generation 2 LED | Flood | 175W - 1500W | 68W-317W | 9,500-38,000 | 140 | 3000K/80, 4000K/80, 5000K/70 |
| Baymaster LED | High Bay | 175W - 1500W | 68W-317W | 9,500-38,000 | 140 | 3000K/80, 4000K/80, 5000K/70 |
| EHLED Handlamp | Task | N/A | ≤9 W | 800 | N/A | N/A |

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