

# LED FLOOD LIGHTS



LED flood lights operate efficiently and save power by virtually eliminating maintenance costs as a result of their 50,000 hour LED lifespan. Conventional flood lights require frequent lamp replacement and routinely need service during critical work periods. LED flood lights will help save costs and increase efficiency by ensuring that work will never be stopped due to missing, broken, or burned out bulbs. These features, along with an expected service life of 30 years and up to 90% reduction in power consumption, make Marine Lighting Systems LED flood lights the smart choice for your vessel or marine facility.

LED Flood lights are not vibration sensitive as a standard incandescent or halogen bulb, therefore an extremely long life cycle is guaranteed. Additionally, LED Flood lights operate at a fraction of the temperature that conventional flood lights do and therefore are much safer to operate.

LED flood lights reduce power consumption. In most cases, LED flood lights will reduce power consumption up to 80% to 90% over typical halogen flood lights for the same lumen output, thereby reducing power loading on the ship's electrical systems. As a result of lowered power consumption, a reduction in generator fuel consumption becomes an added benefit.

Our Flood lights are manufactured using the newest and most up to date components available. The LED flood lights use ceramic chip technology with vibration resistant components. All fasteners, rings, bolts, and mounting bracket, are made of high-quality marine grade 316 stainless steel. Flood lights are available in a variety of wattages from 10 watts to 80 watts, the halogen equivalent of 100 – 750 watts.

A special ventilating gland is used in our manufacturing process to ensure that the air pressure inside the LED flood light housing will always be the same as the surrounding environment. This prevents fogging on both the inside and outside of the glass due to temperature related pressure differences.

The attractive grey or white finish is achieved by using a double polyester powder coat finish with UV inhibitor, which greatly reduces the potential for corrosion from saltwater environments. All gaskets are specially designed and manufactured for use in harsh environments, and are seawater, oil, and lubricant resistant. The high quality components used in the construction of our LED flood lights ensures a lifetime of low maintenance and reliability.