

100,000 Hour LED Luminaires Produce Light Without Heat



The ability to produce light without heat, plus an exceptionally long life make the new green-technology LED Lumiglas® luminaires from L.J. Star ideal for heat-sensitive processes and use in applications where exceptional reliability and long operating life are required.

Two versions of the Lumiglas UL35-LED lights are currently available; a small housing using three high-capacity diodes rated at 121 foot-candles or a slightly larger housing using six high-capacity diodes that produces 242 foot-candles illumination. Both provide service well beyond that of conventional filament light sources in the same compact package.

These new lights have an operating life of approximately 100,000 hours... nearly eleven and a half years of maintenance-free operation. And they produce full power (1,300 and 2,600 lux at one meter) with no heat radiation from the lens.

Also, because LEDs use less electricity than traditional lamps, the Lumiglas UL35-LED luminaire can help companies achieve goals for reducing their energy footprint.

Applications for the new LED luminaires may be found in a variety of pharmaceutical, biotech, chemical and food processing applications, especially those where illumination of small to large-sized vessels is required and where eliminating heat exposure, minimizing lamp maintenance, or increasing energy efficiency are important considerations. Because they lack fragile filaments, the lights are inherently impact and vibration resistant so use in unprotected and harsh duty applications is also possible.

The smaller unit is mounted in a 316 stainless steel, NEMA 4X and IP65 housing, identical to that of the widely used USL 15- or 35-watt halogen-lamp luminaire, having a barrel length of 6.1 inches (155 mm) and 2.75 inches in diameter (70 mm). A momentary pushbutton actuated switch is optional. They are readily mounted on a sightport flange with a stainless steel bracket or directly onto a sanitary fitting for sterile applications. For food applications a plastic lens may be provided.

Complete Product Line

In addition to the Lumiglas UL35-LED luminaire, L.J. Star offers a wide variety of conventional and explosion-proof luminaires for lighting the interiors of tanks, pipes and vessels. Beyond luminaires, L.J. Star offers a complete line of process observation equipment including sight glasses, cameras, and level gages.

Availability

The Lumiglas UL35-LED luminaire is available from stock at prices starting at \$1,185.00. For additional information, contact L.J. Star Incorporated at: web www.ljstar.com/pubs/4.htm; phone: 330-405-3040; fax: 330-405-3070; email: view@ljstar.com.

About L.J. Star

L.J. Star Incorporated provides an extensive line of process observation equipment -- sight glasses, lights, sanitary fittings, and level gage instrumentation. L.J. Star is the exclusive North American supplier of the number-one-selling Metaglas® Fused Sight Glass, which uses true fused borosilicate glass and – unlike some sight glasses – meets the critical standards of USP Type 1, DIN 7079, and DIN 7080. Other product lines include Lumiglas® Explosion Proof Lights and Cameras, Visual Flow Indicators, Sight Ports, Sanitary Clamps, Magnetic Level Gages and Gage Glass. For additional information, contact L.J. Star Incorporated, P.O. Box 1116, Twinsburg, OH 44087. Phone: 330-405-3040. Fax: 330-405-3070. Email: view@ljstar.com. Website: www.ljstar.com.

To download high-resolution image, control-click www.ljstar.com/images/led.jpg