

New Bulletin Describes Sanitary Design Lights for Safe Closed-Vessel Illumination

Sanitary Design Lights Improve Process Safety and Closed Vessel Illumination

Data Sheet 03-0030
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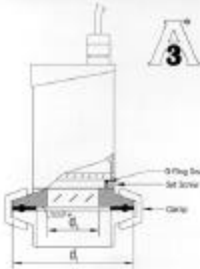
Pressurized tanks, pipelines, mixers and other sanitary vessels are brightly illuminated by Lumiglas® Models USL 33 and USL 35 luminaires. These compact units mount directly onto virtually any vessel or pipeline to provide up to 100 watts of intense glare-free light through a Metaglas® safety glass lens. These units are rated for use in all non-hazardous areas. Lights are available with an optional push button momentary on/off switch (internal or remote) or a remote timer to maximize bulb life.

This design incorporates the proven MetaClamp™ sanitary mounting system with its Metaglas® safety glass lens into a flush, compact unit that is equally well adapted to illuminating the interior of new or existing sanitary processing equipment.

Metaglas MetaClamp sanitary safety glass lenses are the strongest and most secure glass elements available. Rupture tests have demonstrated that Metaglas mechanically prestressed glass remains leak tight at pressures far exceeding design pressure due to the homogeneous compressive stress constant throughout the glass.

With sealed stainless steel construction, these sturdy light ports are dust and water jet resistant to IP65, NEMA 4 and NEMA 4x, even during external washdown, providing safe illumination for sanitary applications. Sanitary clamp connections are available for sizes ranging from 1 inch to 12 inches.

For additional information and applications assistance contact: L.J. Star Incorporated, P.O. Box 1116, Twinsburg, OH 44087. Phone: (330) 405-3040 • Fax: (330) 405-3070. Web Page: www.ljstar.com • e-mail: view@ljstar.com



Light Model No.	Standard Tube OD	d_1		Max. Pressure @ 450°F
		inch (mm)	inch (mm)	
USL 33	1" - 1-1/2"	1.99 (51)	0.98 (25)	230 (16)
	2"	2.52 (64)	1.18 (30)	230 (16)
USL 35	3"	3.58 (91)	1.57 (40)	190 (14)
	4"	4.69 (119)	2.17 (55)	190 (14)
	6"	6.57 (167)	2.38 (60)	90 (6)

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A brief-form data sheet describes a new line of sanitary-design, safety-glass lens lights for the illumination of pressurized tanks, pipelines, mixers and other sanitary vessels. The lights, Models USL 33 and USL 35 luminaires are compact, stainless steel units that mount directly onto virtually any vessel or pipeline, providing up to 100 watts of intense glare-free light.

The design incorporates the proven MetaClamp® sanitary mounting, incorporating the proven Metaglas® safety glass lens. It is equally well adapted to new applications or existing systems, installing easily in any of a variety of configurations.

The data sheet provides a photo of a typical unit, a dimensional drawing and table as well as descriptions of both the light and the MetaClamp concept, plus information on the various standards met and approvals obtained. Nominal pressure ratings range from 90 to 230 psig at 450°F but actual capability is far

beyond this. In laboratory testing the units routinely remain leak-tight at many times their rated pressure.

To order your copy of Data Sheet 03-0030, contact L.J. Star Incorporated, P.O. Box 1116, Twinsburg, OH 44087. Phone: 330-405-3040. Fax: 330-405-3070. Email: view@ljstar.com. Web site: www.ljstar.com