

# Sanitary Design Lights Improve Process Safety and Closed Vessel Illumination

Data Sheet 03-0030  
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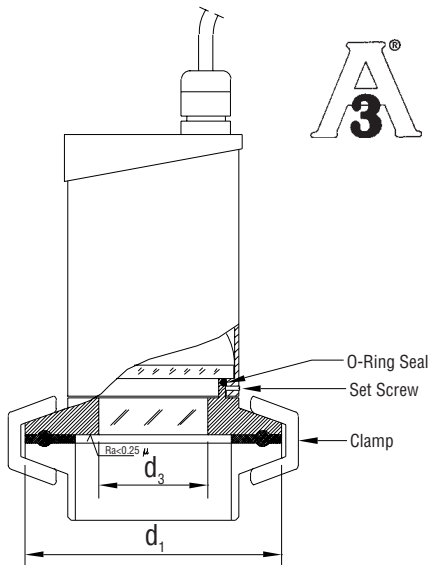
Pressurized tanks, pipelines, mixers and other sanitary vessels are brightly illuminated by Lumiglas® Models USL 33 and USL 35 luminaires. These compact units mount directly onto virtually any vessel or pipeline to provide up to 100 watts of intense glare-free light through a Metaglas® safety glass lens. 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:  
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Light Model No.	Standard Tube OD	d <sub>1</sub>		d <sub>3</sub>		Max. Pressure @ 450 F PSIG (Bar)
		inch (mm)	inch (mm)	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)	150 (10)		
	4"	4.69 (119)	2.17 (55)	150 (10)		
	6"	6.57 (167)	2.36 (60)	90 (6)		

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