



**Contact:** Suzanne Horrigan  
P.O. Box 1116  
Twinsburg, OH 44087  
Phone: 330-405-3040  
Email: [shorrigan@ljistar.com](mailto:shorrigan@ljistar.com)

## L.J. Star White Paper Illuminates Diffused Light for Process Vessels

**Engineering analysis of diffused and undiffused light on stainless steel surfaces explains why LED lights may reveal scratches and what to do about it**



Twinsburg, Ohio — January 12, 2015 — [L.J. Star Inc.](http://www.ljistar.com), a leading supplier of sight glass lighting, has released a new white paper that explains why the wrong kind of vessel lighting can make a stainless steel vessel appear scratched or contaminated when it's really not.

Pharmaceutical, biotech, food, and some chemical manufacturing processes demand smooth, crevice-free surfaces that cannot harbor bacteria or other contaminants. As more operators switch to LED lights for illuminating the interiors of process vessels, many operators are alarmed by the sudden appearance of scratches seen on vessels surfaces.

The new white paper explains the science behind this phenomenon, and includes the results of an engineering study conducted by a process engineer, including a variety of technical drawings, equations and revealing photos.

An accurate view is essential for observing the characteristics of the process medium and for verifying process steps such as clean-in-place. This white paper discusses how to properly apply

LED lighting to gain a brighter, clearer view of processes and avoid false positives during visual inspection.

Download the white paper at <http://bit.ly/1GL72gD>

To download image, control-click:

[http://www.ggcomm.com/LJStar/Sight\\_Glass\\_Light\\_Diffusion\\_WP.jpg](http://www.ggcomm.com/LJStar/Sight_Glass_Light_Diffusion_WP.jpg)

### **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. Product lines include Metaglas® Safety Sight Windows, Lumiglas® Explosion Proof Lights and Cameras, Visual Flow Indicators, Sight Ports, Sanitary Clamps, Magnetic Level Gages and Gage Glass. Metaglas is the #1 selling fused sight glass, proven in thousands of installations around the world. Unlike some other sight glasses, it meets stringent DIN 7079 and DIN 7080 quality standards, and it is approved for USP Type I use. For additional information, or to request third-party documentation of standards compliance and product performance claims, contact L.J. Star Incorporated, P.O. Box 1116, Twinsburg, OH 44087. Phone: 330-405-3040. Fax: 330-405-3070. Email: [view@ljstar.com](mailto:view@ljstar.com). Website: [www.ljstar.com](http://www.ljstar.com).

# # #