

UL TECHNICAL GUIDANCE DOCUMENTS

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Product Category (CCN): OOQS2

Standard Number: UL 8752

Standard Title: Standard for Organic Light Emitting Diode (OLED) Panels

Edition Date: June 13, 2012

Edition Number: 1

Section / Paragraph Reference: 8.1

Subject: Sharp edges on component glass OLED panels

GUIDANCE:

Component OLED panels intended to be supplied to a manufacturing facility for assembly into a luminaire can be exempted from the treatment requirement. The following condition of acceptability can be used: "The edges / corners of the glass panel have not been evaluated for sharpness and may pose a risk of injury when handled. Assembly operations should consider appropriate personnel safeguards."

RATIONALE FOR GUIDANCE:

Clause 8.1 requires sharp edges of glass panels that are accessible to users to be treated to eliminate sharpness. The concern is for injury to the hands during maintenance (such as cleaning) or service (replacing an internal component). However, common treatment options for mitigating sharp edges, when applied to very thin glass panels, have a high probability of causing panel damage.

A luminaire assembly operation can include any number of techniques to limit personnel exposure to sharp edges, such as automated (machine) handling or the mandated use of tools or gloves. These safeguards are generally not available to the end user who may need to handle the panel during cleaning or component replacement operations.

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