Skytron’s Stellar XL series Light Emitting Diode (LED) surgical lights are capable of focusing a 4-3/16” [107mm] illumination spot within a 27” [686mm] column of light. The light produces 160,000 lux with a color temperature of 3696K, offering excellent color correction (95) and optimum shadow control at the surgical site. Housed within a lightweight polymer frame, Stellar XL delivers an ideal balance of weight, maneuverability, and illuminating performance.

Suitable for all surgical procedures types, Stellar XL lights are intended to provide medical personnel with local surgical site illumination to any part of the patient’s body. The clinical settings include, but are not limited to: The Operating Room, Labor and Delivery, Emergency Department, Trauma, Intensive Care Unit, Minor Procedure Room, etc. This is inclusive of all patients.

The light is operated via a wall control which houses the main power, five levels of light intensity control (from 0% to 100%) for each lighthead, and safety fuses. The wall control is required and priced separately.

Sterile Handles are available as well as various handle adapters and sterile disposable covers.

**Architectural Specifications**

A Stellar XL series LED extended length surgical light installation consists of a ceiling mounted radial arm system with up to two 24” [610mm] diameter lighthead(s) and continuous 360° rotation at all fixture rotation points. Configurations range from a single arm light combination up to two arms and lights.

A standard lighthead is 24” [610mm] wide with five focusable LED pods. Each pod contains seven individual LEDs and Vertical Segmented Reflector Design (VSRD) technology. Total system output is 160,000 lux per light at a color temperature of 3696K. A standard lighthead is equipped with a sterilizable center handle for sterile light control and focus. A focus knob and positioning handles are provided on the side of the lighthead for non-sterile control.

The LEDs will operate approximately 40,000 hours before illuminance degrades to a level determined unsuitable by the user and will require replacement.
**Wall Control Dimensions**

- **STX-EA**
  - 5085 Corporate Exchange Blvd. S.E. ● Grand Rapids, MI 49512 ● (616) 656-2900

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### Product Dimensions

**STX5-EA-1500**
- Arm Length: 59" [1500mm]
- N/A
- Rotation: 340°
- Weight: 153 lbs [69.2 kg]
- Moment Load: 612 ft lbs [629 N·m]

**STX5-EA-2000**
- Arm Length: 78-3/4" [2000mm]
- N/A
- Rotation: 340°
- Weight: 159 lbs [72.2 kg]
- Moment Load: 789 ft lbs [1069 N·m]

**STX55-EA-1500/1300**
- Arm Length: 59" [1500mm]
- 51-3/16" [1300mm]
- Rotation: 340°
- Weight: 305 lbs. [138.7 kg]
- Moment Load: 1144 ft lbs [1550 N·m]

**STX55-EA-2000/1500**
- Arm Length: 78-3/4" [2000mm]
- 59"
- Rotation: 340°
- Weight: 315 lbs. [142.9 kg]
- Moment Load: 1385 ft lbs [1877 N·m]

**Product Specs**

<table>
<thead>
<tr>
<th>Ext Arm Models</th>
<th>A</th>
<th>B</th>
<th>Rotation</th>
<th>Weight</th>
<th>Moment Load</th>
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<tr>
<td>STX5-EA-1500</td>
<td>59&quot; [1500mm]</td>
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**Dimensions**

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<tr>
<th>DIMENSIONS</th>
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<th>TRIPLE</th>
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<tr>
<td>A</td>
<td>8-5/8&quot; [220mm]</td>
<td>10-5/8&quot; [270mm]</td>
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<td>B</td>
<td>4&quot; [100mm]</td>
<td>4&quot; [100mm]</td>
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<tr>
<td>C</td>
<td>10-5/8&quot; [270mm]</td>
<td>14&quot; [355mm]</td>
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<td>D</td>
<td>6-7/8&quot; [175mm]</td>
<td>8-5/8&quot; [220mm]</td>
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<tr>
<td>E</td>
<td>7-5/8&quot; [195mm]</td>
<td>11&quot; [280mm]</td>
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<tr>
<td>F</td>
<td>6&quot; [153mm]</td>
<td>6-3/8&quot; [162mm]</td>
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<td>G</td>
<td>10&quot; [255mm]</td>
<td>13-1/2&quot; [343mm]</td>
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<td>H</td>
<td>7-7/8&quot; [200mm]</td>
<td>10&quot; [253mm]</td>
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<tr>
<td>I</td>
<td>11-3/4&quot; [298mm]</td>
<td>13-3/4&quot; [348mm]</td>
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<td>J</td>
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<td>K</td>
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<td>15-3/4&quot; [400mm]</td>
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<tr>
<td>L</td>
<td>10-1/4&quot; [260mm]</td>
<td>12-1/4&quot; [310mm]</td>
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</table>
Typical STX-EA Mounting Structure Guideline

1. 7/8" (22mm) support rods located for total support of light, all labor and materials for fabrication supplied by General Contractor. 7/8" (22mm) nuts and washers for support of SKYTRON fixture supplied by contractor (16 ea. required).
2. The mounting structure must be attached to structural ceiling and BRACED TO ALLOW NO TWISTING OR LATERAL MOTION and shall be designed not to provide a degree of deflection greater than two-tenths of a degree at the mounting plate or the fixture mounting hub.
3. All arm fixture installations require the mounting structure to be tested and comply with SKYTRON test jig requirements.
4. 3/4" (19mm) metal conduit and minimum 12AWG wire size (3 wires per lighthead plus fixture ground) required between fixture and SKYTRON supplied wall control. All metal conduit, wiring, and other electrical materials as well as installation labor for such materials associated with the installation of the SKYTRON surgical light to be provided by Electrical Contractor. All installations of SKYTRON surgical lights should be under the direct supervision of a SKYTRON representative. All wiring to be in accordance with local codes and by a certified electrician. Installation requiring power modules for flatscreen application require a NEMA 4 enclosure provided by others.
5. Video cable for monitor routed through arm at installation to be provided by customer. Approximately 15 feet of cable is required from mounting hub to monitor.
6. CONTRACTOR HAS FINAL RESPONSIBILITY for the strength and stability of the Mounting Structure.

This is a GENERAL GUIDELINE ONLY.

Certifications
CE
AAMI ES60601-1
CSA-C22.2 60601-1
IEC 60601-2-41
CSA-C22.2-2-41
IEC-60601-1-6

Useful Links
Bid Spec.
Installation Manual
Brochure
Seismic OPM
Skytron Booms, Tables and SkyVision
Skytron Lights
<table>
<thead>
<tr>
<th>Date</th>
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