LED OPERATING THEATRE LIGHT

The LED Operating Theatre Light has been developed as a unique solution, meeting the requirements of specialist operating theatre installations where a fully sealed luminaire is needed to prevent contamination of the medical environment.

This range has been engineered specifically for hospitals, emergency and veterinarian operating theatres.

The luminaire can be installed with separate switching/dimming depending on requirements.

Seismic restraint enabled.

**Options:**
- Through access
- Non Monitored Emergency
- DALI Monitored Emergency

**Technical specifications**

- Luminaire Efficacy: ≥94 lm/W
- MacAdam 3 SDCM (initial)
- System guarantee 5 years
- CRI: ≥94
- R9: ≥74
- COI: ≤2.3

**Wiring options**

<table>
<thead>
<tr>
<th>Suffix</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard -000</td>
<td></td>
</tr>
<tr>
<td>DALI/STD terminal block -200</td>
<td></td>
</tr>
<tr>
<td>Maintained Emergency -800</td>
<td></td>
</tr>
<tr>
<td>Maintained DALI Emergency -801</td>
<td></td>
</tr>
</tbody>
</table>

Add one suffix code to the end of the luminaire code to indicate required function.

**Lumen Maintenance**

<table>
<thead>
<tr>
<th>Sys. Lm</th>
<th>LLMF (lamp Lumen Maintenance Factor):</th>
</tr>
</thead>
<tbody>
<tr>
<td>6200</td>
<td>TM21 Lm [12k] = 38,000hrs</td>
</tr>
<tr>
<td>7600</td>
<td>TM21 Lm [12k] = 38,000hrs</td>
</tr>
</tbody>
</table>

**Performance Summary**

- Average (Centre) LUX LEVEL:
  - 3 x 3 LAYOUT: 1000mm AFFL
  - DPSL - 44W = 843 lux (Centre: 833 lux)
  - DPSL - 56W = 1040 lux (Centre: 1027 lux)

- Design parameters:
  - Maintenance: 0.8
  - Reflectance: 80/70/20
  - Luminance: 2.7m
  - Working plane: 1000mm

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**W**

<table>
<thead>
<tr>
<th>W</th>
<th>Description</th>
<th>Sys. Lm</th>
<th>Lum. Lm</th>
<th>lm/W</th>
<th>CCT (K)</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>44</td>
<td>Corner A</td>
<td>6200</td>
<td>4247</td>
<td>97</td>
<td>4000</td>
<td>EL-OPSL-1110-</td>
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<tr>
<td>44</td>
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<td>97</td>
<td>4000</td>
<td>EL-OPSL-1111-</td>
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<tr>
<td>44</td>
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<tr>
<td>44</td>
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<td>EL-OPSL-1113-</td>
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<td>4000</td>
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<tr>
<td>44</td>
<td>End</td>
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<td>4000</td>
<td>EL-OPSL-1115-</td>
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<tr>
<td>44</td>
<td>Single</td>
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<td>4247</td>
<td>97</td>
<td>4000</td>
<td>EL-OPSL-1116-</td>
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</tbody>
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**OPERATING THEATRE LIGHT | Plaster Recess, Bottom Access, Delta, 7600lm**

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<tr>
<td>56</td>
<td>Corner A</td>
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<td>5239</td>
<td>94</td>
<td>4000</td>
<td>EL-OPSL-1117-</td>
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<tr>
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<td>EL-OPSL-1122-</td>
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<tr>
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<td>4000</td>
<td>EL-OPSL-1123-</td>
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</tbody>
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* Single luminaire is used as a standalone luminaire only and is not to be used as an adjoining luminaire.

**ELA engineering department to provide final cut out size/s and drawing once final layout/s has been determined by the client.**

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All photometric, spectrometric and electrical data have a tolerance of ±10%.
## Product Summary - EL-OPSL

<table>
<thead>
<tr>
<th>W</th>
<th>Size (mm)</th>
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<th>Lum. lm</th>
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<th>LER</th>
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<tbody>
<tr>
<td>44</td>
<td>1255x380</td>
<td>6200</td>
<td>4247</td>
<td>97</td>
<td>291</td>
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### TM30-15 Data

<table>
<thead>
<tr>
<th>R_y</th>
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<th>R_f skin</th>
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<td>100</td>
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* Spacing 2.4m x 2.4m, reflectance values: ceiling 0.80, walls 0.50, floor 0.20

www.eaglelighting.com.au