EL640.480-AG is a VGA-display for use in extreme operating conditions.

Lumineq’s Thin Film Electroluminescence (TFEL) displays have the widest operating temperature range of commercially available technology.

TFEL displays are ideal for use in industrial, medical, transportation, military, public safety and other demanding applications.

### Technical Specifications:

**Technology**
- Thin Film Electroluminescence

**Color**
- TFEL-yellow

**Viewing angle**
- 179°, any viewing directions

**Response time**
- < 1 ms

**Luminance**
- 55 cd/m² typical areal @ 120 Hz

**Contrast**
- 33:1 typical at 500 lux

**Resolution**
- 640 × 480 pixels

**Pixel pitch**
- 0.258 × 0.258 mm

**Weight**
- AG1 450 g, AG1 ET 340 g

**Display size**
- 218 × 156 × 20 mm

**Active area**
- 165.1 × 123.8 mm

**Supply voltages**
- 5 and 12 VDC (standard)
- 5 and 8…18 VDC

**Power**
- 6.5 W typical @ 120 Hz

**MTBF**
- > 50,000 hours

**Temperature**
- Operating: -40 to +85 °C (ET)
- Operating: -5 to +55 °C (standard)
- Survival: -45 to +105 °C (ET)
- Survival: -20 to +65 °C (standard)
- Storage: -45 to +110 °C (ET)
- Storage: -40 to +75 °C (standard)

**Humidity**
- 93% RH, oper., IEC 68-2-3

**Altitude**
- 18,000 m, oper., IEC 68-2-13

**Shock**
- 100 g-force, 6 ms, IEC 68-2-27

**Vibration**
- 5 to 500 Hz, 0.02 g²/Hz random IEC 68-2-36, test Fdb

**Interface**
- 8-bit dual panel

**Options**
- Anti-glare film, conformal coating, locking connectors, dimming

### Ordering Information:

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<tr>
<th>Product</th>
<th>Part number</th>
<th>Features</th>
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<tr>
<td>EL640.480-AG1</td>
<td>996-0269-00LF</td>
<td>Standard</td>
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<tr>
<td>EL640.480-AG1 AG</td>
<td>996-0269-01LF</td>
<td>AG1 with anti- glare film</td>
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<tr>
<td>EL640.480-AG1 ET</td>
<td>996-0269-03</td>
<td>Extended temp. range</td>
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<td>EL640.480-AG1 ET CC</td>
<td>996-0269-05</td>
<td>ET with conf. coating</td>
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