EL640.480-AF 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.

### Lumineq Thin Film Electroluminescent Display

**Product highlights:**
- Wide temperature range from -40 to +85 °C
- Standard VGA
- Locking connector, conformal coating and analog dimming options

**Technical specifications:**
- Technology: Thin Film Electroluminescence
- Color: TFEL-yellow
- Viewing angle: 179°, any viewing directions
- Response time: < 1 ms
- Luminance: 65 cd/m² typical areal @ 120 Hz
- Contrast: 50:1 typical at 500 lux
- Resolution: 640 × 480 pixels
- Pixel pitch: 0.202 × 0.202 mm
- Weight: 300 g
- Display size: 182 × 129 × 20 mm
- Active area: 129.3 × 97.0 mm
- Supply voltages: 5 and 12 VDC
- Power: 4.5 W typical @ 120 Hz
- MTBF: > 50,000 hours
- Temperature:
  - Operating: -40 to +85 °C (ET)
  - Operating: -5 to +55 °C (standard)
  - Survival: -40 to +85 °C (ET)
  - Survival: -20 to +65 °C (standard)
  - Storage: -40 to +95 °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, 0.05 g²/Hz random
- Interface:
  - Standard 8-bit dual panel
- Options: Anti-glare film, locking connectors, dimming

### Luminyeq Thin Film Electroluminescent Display

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<tr>
<th>Product</th>
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<th>Features</th>
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<td>996-0270-00LF</td>
<td>Standard</td>
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<tr>
<td>EL640.480-AF1 AG</td>
<td>996-0270-01LF</td>
<td>A1 with anti-glare film</td>
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<tr>
<td>EL640.480-AF1 ET</td>
<td>996-0270-05LF</td>
<td>Extended temperature range, locking connector, dimming</td>
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