The EL512.256-H is a TFEL 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.

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**Lumineq Thin Film Electroluminescent Display**

**Product highlights:**

- Wide operating temperature range: -40 to +85 °C
- Broad input voltage range: 11…30 VDC
- Wide screen

**General TFEL features and benefits:**

- Instant ON in cold and hot temperatures
- No need for heating and cooling
- Very long lifetime
- Extremely stable brightness – measured 100,000 hours with > 85% left of initial luminance
- TFEL display brightness, contrast, viewing angle and response time are the same across the entire temperature range
- Wide viewing angle > 179° with crisp and clear image
- Very fast response time, < 1 ms
- Extremely rugged and solid TFEL display structure
- Very long production life time

**Ordering Information:**

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<td>Standard</td>
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<td>997-3215-00LF</td>
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**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
- Resolution: 512 x 256 pixels
- Pixel pitch: 0.25 x 0.25 mm
- Weight: 400 g
- Display size: 233 x 136 x 16.5 mm
- Active area: 195.1 x 97.5 mm
- Supply voltages: 5 and 11…30 VDC
- Power: 6.0 W, typical, 4.0 W, typical (low power mode)
- MTBF: > 30,000 hours
- Temperature: -H2 series:
  - Operating: 0 to +55 °C
  - Storage: -40 to +75 °C
  - -H3 series:
    - Operating: -25 to +65 °C
    - Storage: -40 to +75 °C
  - -H3 ET FRB: Operating: -40 to +85 °C
    - Storage: -40 to +85 °C
- Humidity: 93% RH, oper., IEC 68-2-3
- Altitude: 15,000 m, oper., above sea level
- Shock: 100 g-force, 6 ms, IEC 68-2-27
- Vibration: 20 to 500 Hz, 0.05 g²/Hz random
- Interface: EL standard, 1 or 2 bits/dock

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