



The EL480.240-PR3 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.

Lumineq Thin Film Electroluminescent Display

Product highlights:

- Reliable: >100,000 hours MBTF
- 4-bit LCD-type interface

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 operating 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
- Extremely wide operating temperature range

Ordering Information:

| Product | Part number | Features |
|---------------|-------------|----------|
| EL480.240-PR3 | 996-0247-05 | Standard |

Technical specifications:

| | |
|-----------------|---|
| Technology | Thin Film Electroluminescence |
| Color | Amber |
| Viewing angle | 179°, any viewing directions |
| Response time | < 1 ms |
| Luminance | 50 cd/m ² typical areal @ 120 Hz |
| Contrast | 50:1 typical at 500 lux, 120 Hz |
| Resolution | 480 x 240 pixels |
| Pixel pitch | 0.31 x 0.31 mm |
| Weight | 310 g |
| Display size | 189 x 108 x 21.5 mm |
| Active area | 115 x 86 mm |
| Supply voltages | 5 and 12 VDC |
| Power | 6.5 W typical @ 120 Hz |
| MTBF | > 100,000 hours |
| Temperature | Operating: -25 to +65 °C Survival: -25 to +75 °C Storage: -40 to +75 °C |
| Humidity | 93% RH, oper., IEC 68-2-3 |
| Altitude | -3,048 to 48,768 m, oper., IEC 68-2-13 |
| Shock | 100 g-force, 6 ms, IEC 68-2-27 |
| Vibration | 20 to 500 Hz, 0.02 g ² /Hz random IEC 68-2-36, test Fdb |
| Interface | 4-bit LCD type timing |

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