



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	TFEL-yellow
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 × 240 pixels
Pixel pitch	0.31 × 0.31 mm
Weight	310 g
Display size	189 × 108 × 21.5 mm
Active area	115 × 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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