



EL640.200-SK is a high-bright 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:

- Wide temperature range from -40 to +85 °C
- Broad input voltage range: 8...18 VDC
- Analog dimming and locking connector

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

Ordering Information:

Product	Part number	Features
EL640.200-SK	996-0290-05LF	Standard, incl. analog dimming and locking connector
EL640.200-SK CC	996-0290-06LF	SK with conformal coating

Technical specifications:

Technology	Thin Film Electroluminescence
Color	Amber
Viewing angle	179°, any viewing directions
Response time	< 1 ms
Luminance	81 cd/m ² typical areal @ 240 Hz
Contrast	41:1 typical at 500 lux
Resolution	640 × 200 pixels
Pixel pitch	0.396 × 0.330 mm
Weight	306 g
Display size	260 × 104 × 19 mm
Active area	211.2 × 79.17 mm
Supply voltages	5 and 8...18 VDC
Power	7.5 W typical @ 240 Hz
MTBF	> 50,000 hours
Temperature	Operating: -40 to +85 °C Survival: -45 to +105 °C Storage: -50 to +105 °C
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 g ² /Hz random IEC 68-2-36, test Fdb
Interface	4-bit LCD with frame buffer 8-bit dual scan timing
Options	Conformal coating

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