LUMINEQ

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ELT256.120.90

TASEL Transparent Electroluminescent Matrix Display from Lumineq

The ELT256.120.90 is a TASEL transparent matrix display designed for use in applications requiring full see-through properties of the display, be that for functional or aesthetic reasons.

Lumineq TASEL displays combine the rugged and reliable build of TFELs with the unique freedom of designing a completely transparent display. TASEL is ideal for consumer electronics, architectural use and other fields where viewing experience and product aesthetics is of paramount importance.

Lumineq Transparent Electroluminescent Display

Product capabilities:

Do you want to see your content on a transparent glass display? Lumineq TASEL displays are fully transparent, flexible in terms of applications and genuinely unique.

Whether you want to see just how transparent a display can be, or test how the matrix display will accommodate your content, the Lumineq ELT256.120.90 is your best choice.

The ELT256.120.90 was designed to demonstrate TASEL, to enable you to work with the technology and adopt the new way of thinking that this new display type necessitates. Our transparent is really transparent.

Product features:

- Technology based on Thin Film Electroluminescence
- Matrix display with 256 columns and 120 rows
- The active display area is 230 × 108 mm.

Ordering Information:

Product	Part number	Features
ELT256.120.90	997-5885-00LF	glass panel with separate controller

Technical specifications:

Technology	Transparent Thin Film Electroluminescence (TASEL)
Color	TFEL-yellow
Viewing angle	360°, fully transparent
Response time	< 1 ms
Luminance	80 cd/m² typical areal
Transparency	73% typical
Resolution	256 × 120 pixels
Pixel pitch	0.90 × 0.90 mm
Pixel size	0.80 × 0.80 mm
Fill factor	79%
Display size	280 × 193.4 × 12.1 mm (without optional frame)
Active area	230.4 × 108 mm
Diagonal size	10" (254 mm)
Controller size	143 × 32 × 28 mm
Supply voltages	5 and 24 VDC
Power	17 W typical, 36 W maximum
MTBF	> 50,000 hours
Temperature	Operating: 0 to +40 °C
Storage: -20 to +60 °C
Humidity	85% RH, non-condensing
RoHS	Compliant with EU 2002/95/EC RoHS Directive
Video interface	2-bit LCD-type
Options	- Transparent plastic frame
- USB Demo Kit