



The ELT78S-HUD is a segmented display demonstrator that exhibits the full see-through properties of transparent Lumineq® display.

The display comes with a segment/icon design intended for electric car head-up display (HUD) applications.

Transparent Lumineq® displays combine the rugged and reliable build of TFELs with the uniquely high transparency. TASEL is ideal for fields where full transparency and ruggedness are of paramount importance.

### Transparent Lumineq Display Demonstrator

#### Product capabilities:

The ELT78S-HUD is designed to demonstrate and to help you to evaluate the unique capabilities of transparent Lumineq® displays. This technology demonstrator enables you to do concepting, prototyping and to adapt the technology to your application.

Transparent Lumineq 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 transparent display could be used in your application, this demonstrator is ideal for you.

#### Product features:

- Technology based on Thin Film Electroluminescence
- Segment display with 78 predefined segments
- Fully transparent display glass cut to round shape
- Flex circuits for connecting electronics to the glass
- Optional driver and control electronics
- Also lamination intro packages for glass laminator trials
- Does not come with casing or mounting

#### Technical specifications:

Technology	Transparent Thin Film Electroluminescence on soda lime glass substrate
Color	TFEL-yellow
Type	Segmented, 78 predefined icons
Transparency	~80%
Viewing angle	360°, fully transparent
Response time	< 1 ms
Luminance	~900 cd/m <sup>2</sup> @ 800Hz (typical – scripted)
Glass size	100 mm diagonal + glass contact area
Glass thickness	3.9mm when encapsulated with cover glass. 0.7mm when without cover glass for lamination.
Flex (FPC)	Straight, length 250mm (2pcs)
Driver PCB size	93.8 x 45.7 x 15 mm (2pcs)
Control PCB size	150 x 100 x 23 mm
Input Voltage	12 VDC
Video interface	Driver boards have SPI Interface. Control/LBA board has no interface (demo script).
Warranty	3 months (Demo product)
Operating environment	Office - limited by demo electronics

#### Ordering Information:

Product	Part number	Features
ELT78S-HUD-LBA	EL00056620	Capsulated turnkey demonstrator with driver & control/LBA boards (demo script)
ELT78S-HUD	EL00056612	Capsulated demonstrator with driver boards (SPI interface)
ELT78S-HUD-11-250FPC	EL00056621	Capsulated demonstrator
LIP ELT78S-HUD-LBA-07	EL00081800	Lamination intro package including several mechanical samples for lamination trials, 2 sets of functional glasses and one set of driver & control/LBA boards (demo script)
LIP ELT78S-HUD-07	EL00067800	Lamination intro package including several mechanical samples for lamination trials, 2 sets of functional glasses and one set of driver boards (SPI interface)
ELT78S-HUD-07NC-250FPC	EL00056600	Laminatable demonstrator without cover glass

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