![LUMINEQ® DISPLAYS BY BENEQ]

# TIP ELT40S

## TASEL® Introduction Package with ELT40S TASEL display glass

TASEL Introduction Package (TIP) ELT40S is a bundle of one TASEL® display panel (Lumineq ELT40S TASEL display), flexible printed circuit (FPC) cable and driving electronics.

With the package, the user can experiment with functional designs incorporating transparent displays.  The display is light (31g) and can be readily attached to a glass with an adhesive tape, for example.

The package comes with

- one functional display with the FPC attached for experimenting with a fully functional display panel, and
- driving electronics, power supply with EU, UK and US power cords, documentation, cabling and driver and peripheral software supplied with a USB stick.

Thickness of display panel is 1.1mm, and it comes with a cover glass of 1.1mm thickness (total thickness 2.2mm).

## Lumineq TASEL Introduction Package (TIP) with ELT40S TASEL Display Glass

### Product highlights:

- Great for experimenting with functional displays on transparent structures, like architectural glass, windshields, mirrors, windows etc.
- As the display is very light, it is easy to attach e.g. with simple adhesive tape (tape not included) for experimenting
- Bright, easy-to-read display, also in daylight conditions
- Comes with necessary electrical parts, cabling and documents

### Ordering Information:

| Product | Part number | Features |
|---|---|---|
| TIP ELT40S | EL00037000 | Complete package for TASEL trials |
| ELT40S-250FPC | ELT00037100 | ELT40S-display* with cover glass |
| ECA ELT40S w FPC | EL00010901 | Driver electronics for the display (needs "Demo kit" to drive the display)* |
| Demo kit | EL00041000 | Logic and controller electronics* |

### Display Technical specifications:

| | |
|---|---|
| Technology | Thin Film Electroluminescence |
| Color | TFEL-yellow |
| Segments | 40 predefined segments of which 32 relate to 4 general-purpose 8 segment numeric symbols. |
| Viewing angle | 2x 179°, (two sides - substrate is transparent) |
| Response time | < 1 ms |
| Luminance | up to 500 cd/m$^2$ |
| Contrast | ambient (background lighting) dependent; daylight readable |
| Transparency | ≥ 70% with cover glass; overall, depends on the surrounding structure |
| Glass size (wo. FPC) | 59mm (height) x 119mm (width) |
| Power consumption | < 3W |
| Temperature | Display glass: -100 to +105 °C Electronics:  Office environment |
| Warranty | 6 months |

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# LIP ELT40S-07

## Lamination Introduction Package with ELT40S TASEL® display glass

Lamination Introduction Package (LIP) ELT40S-07 is a bundle of TASEL® display panels (Lumineq ELT40S TASEL display), flexible printed circuit (FPC) cables and driving electronics. With the product, Lumineq customers can experiment with various levels of display in-glass lamination.

The package comes with

- four mechanical samples of display substrate glass for initial lamination experiments,
- two non-functional display panels with the FPC attached for second stage experiments,
- two functional displays with the FPC attached for experimenting with a fully functional display panel, and
- driving electronics, power supply with EU, UK and US power cords, documentation, cabling and driver and peripheral software supplied with a USB stick.

Thickness of the glass parts is 0.7mm. There is no cover glass.

## Lumineq Lamination Introduction Package (LIP) with ELT40S TASEL Display Glass

### Product highlights:

- Enables different levels of in-glass lamination experiments (dummy glass, glass with FPC, and functional display with FPC)
- Displays and their interconnects withstand standard lamination processes
- Bright, easy-to-read display, also in daylight
- Comes with necessary electrical parts, cabling and documents
- Parts of the LIP package also available separately for repeated experiments

### Ordering Information:

| Product | Part number | Features |
|---|---|---|
| LIP ELT40S-07 | EL00035700 | Complete package of display glass and peripherals for lamination trials |
| ELT40S-07NC-MECH SAMPLE | EL00035800 | A glass sheet that corresponds to the display panel size* |
| ELT40S-07NC-250 FPC M.SAMP | EL00035900 | A nonfunctional display with FPC attached* |
| ELT40S-07NC-250 FPC | EL00035200 | A functional display with FPC attached* |
| ECA ELT40S w FPC | EL00010901 | Driver electronics for the display (needs "Demo kit" to drive the display)* |
| Demo kit | EL00041000 | Logic and controller electronics* |

### Display Technical specifications:

| | |
|---|---|
| Technology | Thin Film Electroluminescence |
| Color | TFEL-yellow |
| Segments | 40 predefined segments of which 32 relate to 4 general-purpose 8 segment numeric symbols |
| Viewing angle | 2x 179°, (two sides - substrate is transparent) |
| Response time | < 1 ms |
| Luminance | up to 500 cd/m² |
| Contrast | ambient (background lighting) dependent; daylight readable |
| Transparency when laminated | ≥ 70% when laminated properly/with cover glass; depends on the surrounding structure |
| Glass size (wo. FPC) | 59mm (height) x 119mm (width) |
| Power consumption | < 3W |
| Temperature | Display glass: -100 to +105 °C Electronics: Office environment |
| Warranty | 3 months; not covering lamination process or laminated product |

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