



ELT78S-VARIUS

The ELT78S-VARIUS is a transparent, multipurpose HUD display demonstrator that comes with a segment design suitable for vehicle, maritime and other HUD applications.

Due to the unique optical and performance characteristics, as well as lamination ready solution, Lumineq® transparent displays are ideal for applications where glazing can be turned into dynamic surfaces.

Lumineq displays, enabled by Atomic Layer Deposition, are the world's most transparent and most reliable displays.

Product capabilities:

The ELT78S-VARIUS is designed to demonstrate and to help you to evaluate the unique capabilities of transparent Lumineq displays. The demonstrator helps you in concept design and prototyping, perform lamination trials to adapt the technology to your application.

Product features:	Technical features:	
<ul style="list-style-type: none"> • Turnkey demonstrator consisting of transparent display with FPC, driving electronics and power supply. • 78 individual segments • TIP-version <ul style="list-style-type: none"> ○ 1 encapsulated display ○ 1 set of electronics ○ Power supply ○ Cabling • LIP for lamination <ul style="list-style-type: none"> ○ 4 mechanical samples ○ 2 mech samples with FPC ○ 1 functional display ○ 1 set of electronics ○ Power supply ○ Cabling • Lamination required prior to use with LIP kit. • Scripted demo mode or CAN protocol version user selectable with DIP-switch. • LUMINEQ displays in general are fully customizable: Glass size, shape, segment design and contacting. Driving electronics, interface, and flex design. 	Technology	Transparent Thin Film Electroluminescence. Solid state, inorganic, emissive
	Color	TFEL-yellow
	Type	Segmented, 78 predefined segments
	Transparency	>80% >70% complete laminated stack with display when properly laminated
	Viewing angle	Almost 360°, fully transparent
	Response time	< 1 ms
	Luminance	Typical 1000 cd/m2
	Glass size	84 x 77 mm, R38.5 rounded top
	Glass thickness	0.7 mm for lamination 1.8 mm stand-alone (total - encapsulated with 1.1 mm cover glass)
	Flex (FPC)	Straight, length 250mm, 2 pcs
	PCB size	79x50x<35 mm, 2 pcs
	Power	Typical <6 W
	Input Voltage	12 V _{DC}
Interface	Scripted or CAN mode, selectable	
Warranty	3 months (Demonstrator/development kit)	

Ordering information:

Product	Part number	Features
LIP ELT78S-Varius-07	EL00175200	Lamination Introductory Package incl. dummies and actual displays. Scripted/ CAN mode.
TIP ELT78S-Varius	EL00175300	Stand-alone display demonstrator. Scripted/ CAN mode.

LUMINEQ is a registered trademark of Lumineq Oy. Technical information in this document is subject to change without notice. Feb 2023.