

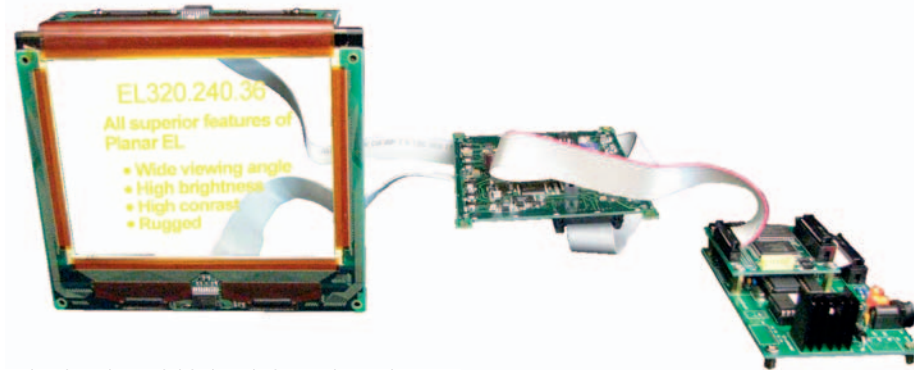


REASONS WHY TRANSPARENT AND SEGMENTED (TASEL) THIN FILM EL DISPLAYS

Are the Designer's Newest Choice for Innovated Product Design



1. Transparency creates customer intrigue and curiosity.
2. Customer can see inside or through your product via the display.
3. Transparency improves sightlines and eliminates visual clutter for more appealing user spaces.
4. Hermetically sealed to withstand damp environments.
5. Only display technology that can have holes pre-drilled in glass for rotating mechanical pointers and fasteners.
6. Higher resolution than LED to improve your products perceived value.
7. 200G shock resiliency is more reliable than vacuum florescent displays (VFD) to improve your products durability.
8. TASEL is a newer look than VFD and LED that helps differentiate new, premium products.
9. Mirrored glass version enables dual purposes of information display and image reflection.
10. Edge lighting the TASEL display with LED can change color of glass. Superior to edge lit, static acrylic signage because message can be changed.



11. Radius bends available break the traditional square display constraints.
12. 250,000/hr display MTBF minimizes your product's warranty liability
13. <15% brightness decrease at 100,000/hr. Compare to TFT AMLCD and VFD which lose 15% brightness in a year!
14. Displays can be curved to wrap around another object.
15. Embeddable in another object like this silicon dome.
16. Alpha-numeric or fixed graphic patterns available at lower cost than full graphic displays
17. Planar can deliver a display only or a fully integrated sub assembly to meet your manufacturing requirements.
18. Low volume prototyping available
19. Planar specializes in long life products to help you avoid redesign. EL production has been ongoing for more than 20 years.
20. Worldwide and domestic technical support team.





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MODEL <small>- All resolutions for EL displays are indicated by the model number.</small>	Part Number	Diagonal Size	Pixel Pitch	Brightness Typical @ Max. Frame Rate	Power Typical @ Max. Frame Rate	Operating Temperature	Video Interface	Other Features	
EL160.80.50	996-0267-15LF	3.5 in (8.93 cm)	0.5 mm	107 cd/m ² (240Hz)	4.4 W (240Hz)	-50~ +85 °C	4 bit LCD	Standard product, Dimming capability, IN w/locking connector, ET w/conformal coating	
EL160.120.39	996-0303-00LF	3.1 in (7.79 cm)	0.39 mm	70 cd/m ² (150Hz)	3.0 W (150Hz)	-50~ +85 °C	4 bit LCD	Dimming, locking connector	
EL240.128.45	996-0301-01LF	4.8 in (12.2 cm)	0.45 mm	130 cd/m ² (240Hz)	5.8 W (240Hz)	-50~ +85 °C	8 bit uP	Built-in SED1335 controller, dimming, locking connector	
EL320.240	FA3	997-3377-00LF	4.9 in (12.4 cm)	.012 in (.31 mm)	85 cd/m ² (325Hz)	4.7 W (325Hz)	-50~ +85 °C	4 bit TFT	Red/Green/Yellow multi-color, 16 colors, dimming, locking connector, FA3 w/conformal coating
EL320.240.36	996-0273-01LF	5.7 in (14.4 cm)	0.36 mm	50 cd/m ² (120Hz)	7.1 W (120Hz)	-50~ +85 °C	4 bit LCD	Standard product, Anti-glare film, AG w/locking connector, Dimming, IN w/anti-glare film, Locking connector, dimming, ET w/conformal coating	
EL320.240.36	HB	996-0292-00LF	5.7 in (14.4 cm)	0.36 mm	150 cd/m ² (247Hz)	5.5 W (247Hz)	-50~ +85 °C	4 bit LCD	High bright, dimming, locking connector, broad input voltage, No mounting ears, conformal coating, HB w/only top mounting ears
EL320.256	F6	996-5076-00LF	4.8 in (12.2 cm)	0.3 mm	77 cd/m ² (60Hz)	4.0 W (60Hz)	-50~ +85 °C	1 or 2 bit LCD	Non-ICE, dimming, broad input voltage, F6 w/ICE
EL480.240	PR2	996-0247-02LF	6.4 in (16.4 cm)	0.305 mm	50 cd/m ² (120Hz)	6.5 W (120Hz)	-50~ +85 °C	4 bit LCD	ICEBrite, PR2 w/conformal coating
EL512.256	H2	997-3214-00LF	8.6 in (21.8 cm)	0.38 mm	65 cd/m ² (70Hz)	6.0 W (70Hz)	-50~ +85 °C	1 or 2 bit LCD	Dimming, broad input voltage, H2 w/aluminum frame, H2 w/steel frame, Dimming, Broad input voltage
EL640.200	SK	996-0290-01LF	8.9 in (22.6 cm)	0.33 mm x 0.396 mm	81 cd/m ² (240Hz)	7.6 W (240Hz)	-50~ +85 °C	4 bit (Buffered) 8 bit (Non-buffered)	ICEBrite, two modes (buffered and non-buffered) dimming, and locking connector, SK w/conformal coating
EL640.400	C2	997-3217-00LF	9.1 in (23 cm)	0.3 mm	53 cd/m ² (70Hz)	11.0 W (70Hz)	-50~ +85 °C	1 or 2 bit LCD	Non-ICE, dimming, wide input voltage, C2 w/aluminum frame, Non-ICE, dimming, wide input voltage, Non-ICE, dimming, wide input voltage, aluminum frame, CD3 w/aluminum frame
EL640.400	CB1 FRA	996-5073-00LF	9.1 in (23 cm)	0.3 mm	53 cd/m ² (70Hz)	11.0 W (70Hz)	-50~ +85 °C	1 or 2 bit LCD	Non-ICE, dimming, +5 and +12V input voltage, aluminum frame, CB series display w/a VH of 24V, Nominal input, includes frame, Dimming, +5 and +12V input, aluminum frame
EL640.480	AF1	996-0270-00LF	6.4 in (16.2 cm)	0.2 mm	65 cd/m ² (120Hz)	4.5 W (120Hz)	-50~ +85 °C	8 bit LCD	ICEBrite, dual panel interface, AF1 w/anti-glare film, AF1 w/extended temperature, locking connector, dimming
EL640.480	AG1	996-0269-00LF	8.1 in (20.5 cm)	0.26 mm	55 cd/m ²	6.5 W (120Hz)	-50~ +85 °C	8 bit LCD	ICEBrite, dual panel interface, AG1 w/anti-glare film, Extended temperature, wide input voltage, AG1 ET w/conformal coating
EL640.480	AM1	966-0268-00LF	10.4 in (26.4 cm)	0.33 mm	55 cd/m ² (120Hz)	11.0 W (120Hz)	-50~ +85 °C	8 bit LCD	ICEBrite, dual panel interface, AM1 w/anti-glare film, Extended operating temperature, AM8 ET w/conformal coating, ICEBrite, dimming, 24V option, low profile, dual panel interface.
EL640.480	AA1	996-5088-00	10.4 in (26.4 cm)	0.33 mm	21 cd/m ² (70Hz)	10.0 W (70Hz)	-50~ +85 °C	4 bit LCD	Multi-color: 8 colors + black, dimming, improved EMI
EL640.480	A4 SB	996-5083-02	10.4 in (26.4 cm)	0.33 mm	56 cd/m ² (60Hz)	15.6 W (65Hz)	-50~ +85 °C	4 or 8 bit LCD	Non-ICE, 16 level gray scale, dimming, A4 SB w/improved EMI, A4 SB w/ICE, AD4 SB w/improved EMI

Notes:

- The "LF" suffix on part numbers indicates that the product is in compliance with the EU RoHS requirements. Those products without this suffix are not compliant.
- For special applications where lead-free solder presents reliability concerns, some products may be available with leaded solder. Please consult your Planar sales contact.