1.28" Front Light Panel

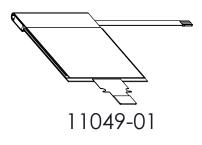
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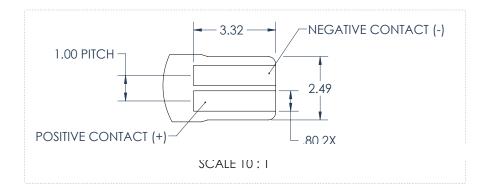
SHARP

- One low-power LED (included in Front Light)
- Over **80x less power** compared to traditional backlighting
- 0.05 mm thick FLEx film is over **5x thinner** than alternative lightguides
- Simple I/F and Connectivity to System Board

DETAIL A (TYP)



11049-03



All dimensions in mm





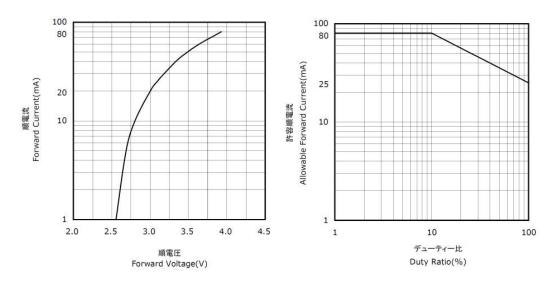


1.28" Front Light Panel

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Electrical

ltem	Symbol	Typical	Absolute Max	Unit
Forward Current	I _F	5	25	mA
Pulse Forward Current	l _{FP}		80	mA
Reverse Voltage	V _R		5	V



For more information: web flexlighting.com

FLEX

CONTACT <u>flexlighting.com/contact</u> Phone **773-295-0305**

Example ZIF Connectors:

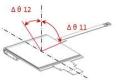
- Molex 503480-0400
- Molex 52745-0497
- Molex 54550-0471
- Molex 54548-0471 (bottom)
- Molex 505110-0492

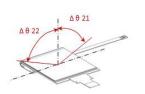
Optical

1.28" Sharp + Front Light (11049-03)								
ltem		Symbol	TYP.	Unit	Remark			
Viewing Angle CR >2	V	Θ 11 Θ 12	60 30	° (Degree)	[Remark 1]			
	Н	Ο 21 Ο 22	65 65	° (Degree)				
Contrast Ratio	Front light ON	CR	14		[Remark 2]			



Remark 1: Viewing Angle





Remark 2: Definition of Contrast Ratio

Contrast Ratio (CR) = Reflection intensity in white display Reflection intensity in black display

Measurements taken with a Minolta Chroma Meter CS-100 at a 17" view distance

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