

Philips Components

Data sheet	
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LXL111-G**Electro-luminescent backlight panel**

T-41-90

DEVICE DESCRIPTION

The LXL111-G is an electro-luminescent backlight panel which has to be used in the LTN111 module. The emitted colour is green.

QUICK REFERENCE DATA

Lit area dimensions	11.5 x 62 mm
Supply voltage	110 V RMS
Supply frequency	500 Hz
Colour	green
Connection	solderable leads

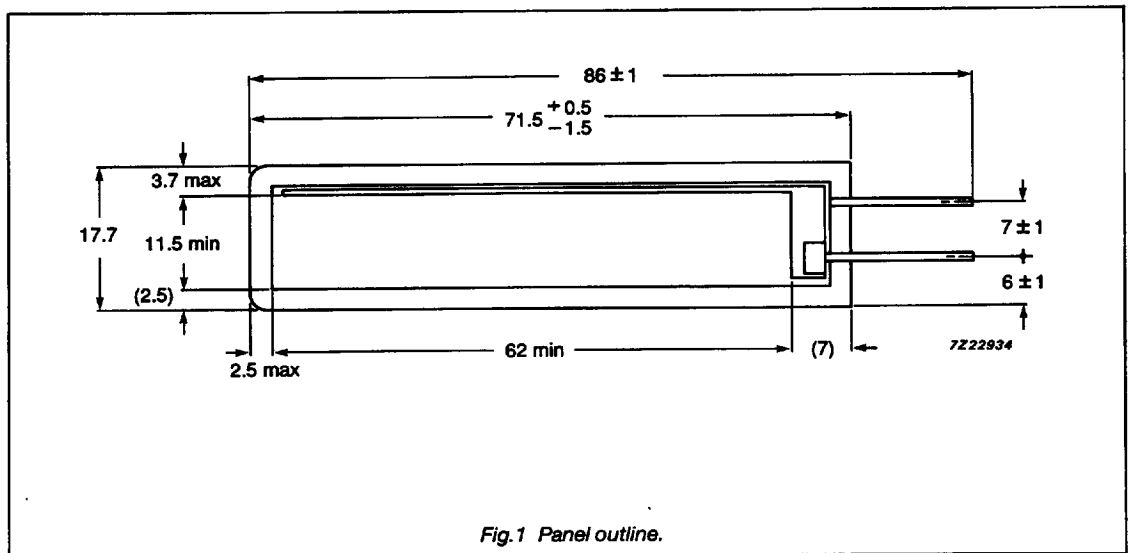
MECHANICAL DATA

Fig.1 Panel outline.

Pin connections

The device should be soldered onto the PC-board of the module.

Electro-luminescent backlight panel

LXL111-G

RATINGS

Limiting values in accordance with Absolute Maximum System (IEC 134)

Supply voltage, t = 60 s max.	V _S	max.	130 V RMS
Frequency	F	max.	1500 Hz
V _S = 100 V RMS, t = 60 s max.			
Isolation voltage	V _{IS}	max.	1000 V
pin to film, t = 60 s max.			
Storage temperature range	T _{stg}		−20 to +40 °C
note 1	T _{stg}		+40 to +60 °C
note 2			
Ambient operating temperature range	T _{amb}		0 to +40 °C
note 1	T _{amb}		+40 to +50 °C
note 2			

CHARACTERISTICS

T _{amb} = 25 °C, V _S = 110 V RMS, f = 500 Hz, in dark room, unless otherwise specified			
Luminance	L	typ.	90 cd/m ²
Supply current	I _S	typ.	2 mA
Chromaticity (colour = green)	X	typ.	0.21
	Y	typ.	0.51

Notes:

1. Condition: relative humidity < 95%

2. Condition: absolute humidity < T_{amb} = 40 °C, 95% RH