



**397 Route 281
Tully, New York 13159-1175
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com**

ACD-AU150-2362

PRODUCT DATA SHEET – PAGE 1 OF 2

15.0" XGA LED BACKLIT TFT DISPLAY

Sunlight Readability/1000:1 dimming/Cool operation

GENERAL DESCRIPTION

The ACD-AU150-2362 consists of the AUO G150XG01 V3 XGA TFT display modified with a high performance LED backlight.

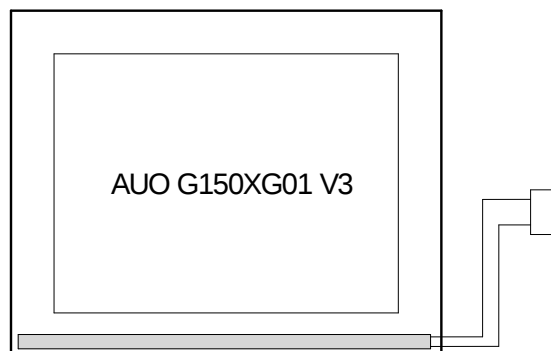
Performance at given brightness levels

1200 cd/m² with 16.1 watts LED power

Display outline identical to standard LED equipped panel

For many applications, satisfies sunlight readability goals

07/16/15



LCD PANEL HIGHLIGHTS

15.0" TFT Active Matrix Color

304.128 (H) mm x 228.096 (V) mm viewable area

XGA 1024 x 768 pixels; 16.2M/262K colors

700:1 typical contrast ratio

60% color gamut (NTSC color space)

Display Mode Normally White

For complete LCD specification (standard panel), refer to AUO datasheet G150XG01 V3

LED BACKLIGHT FEATURES

White LED edge-light rail

Two wire connection (Typically 11 inches long), allows simple interconnect with LED driver¹

Projected lifetime > 75,000 hours

1000:1 or better dimming ratio, guaranteed¹

¹ For best power transfer and control, use ACI-E120175-1900 LED driver. Do not set the driver output current (Ifwd) higher than the value specified in the Maximum Ratings table of this document. Please contact the factory for more specific use LED driver solutions if required.

MAXIMUM RATINGS*

07/16/15

Symbol	Parameter	Value	Unit
Top ¹	Operating temperature of display (center of panel surface)	-30 to +85	Deg-C
Tled	Operating temperature of LED edge light (light rail contact)	-30 to +85	Deg-C
Tstg ¹	Display storage temperature	-30 to +85	Deg-C
Ifwd	LED forward current (DC)	70	mA

*Maximum Ratings are those values beyond which damage may occur

¹ Per manufactures Specification

PANEL/BACKLIGHT OPTICAL CHARACTERISTICS

Ifwd = 58.3mA per LED bank, 3 banks per rail, 1 rail per display, LED rail: ACR-0923-2074, Ta = +25Deg-C, moving air (36.0 CFM), min 2hr soak

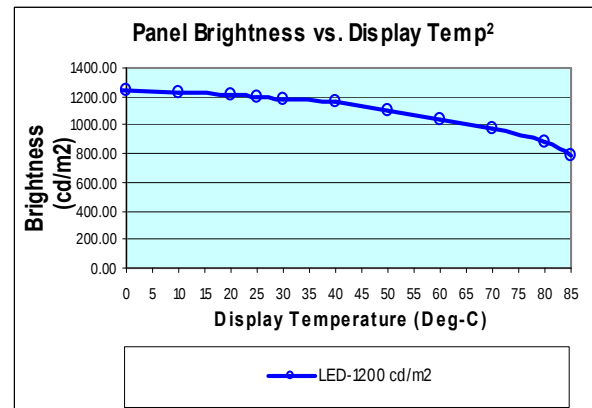
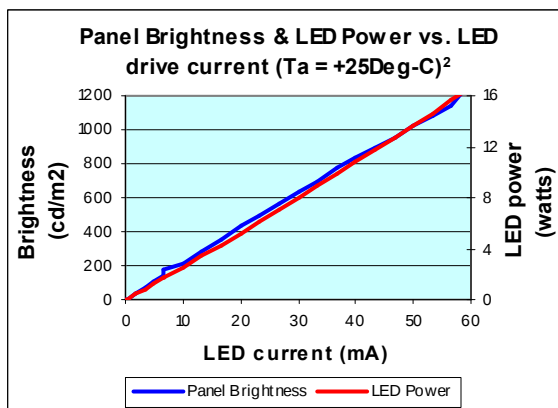
Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Bp	Panel Brightness		1080	1200	1320	cd/m ²
X	White X coordinate			0.262		-
Y	White Y coordinate			0.284		-

LED EDGE-LIGHT ELECTRICAL CHARACTERISTICS

Ifwd = 58.3mA per LED bank, 3 banks per rail, 1 rail per display, Top = +25Deg-C

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		83	92	101	Vdc

TYPICAL LCD/LED BACKLIGHT PERFORMANCE GRAPHS



² Moving air (36.0 CFM)