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ACR-0702-1871

PRODUCT DATA SHEET – PAGE 1 OF 2

10.7" DUAL BANK LED RAIL

(Dual Bank, 70V @ 41mA)

02/16/10

GENERAL DESCRIPTION

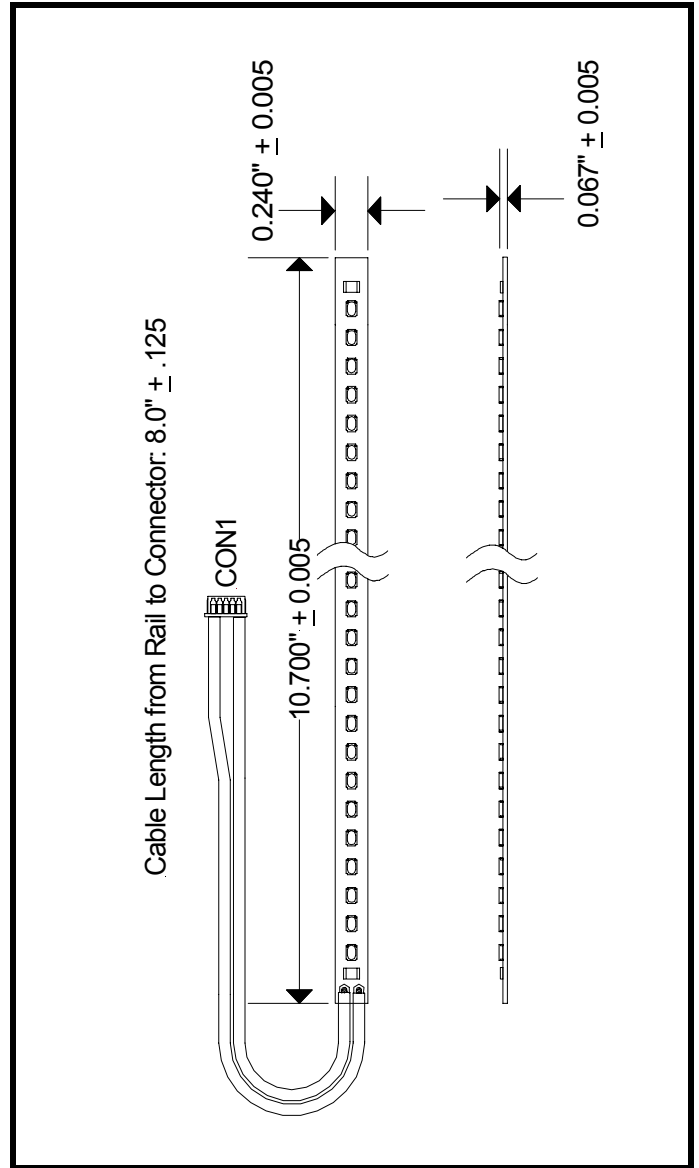
The ACR-0702-1871 is designed as a replacement for field replaceable, dual tube, single edge lit 12.1" CCFL displays.

The rail requires the use of a constant current source to properly drive the LED's.

The LED rail is compatible with any of ACI's I-Drive series of LED Drivers.

MECHANICAL / ENVIRONMENTAL

- Weight = 5.0 grams
- Altitude = 35,000 Ft maximum
- Humidity < 95% non-condensing
- Size (L x W x H) = 10.700 IN x 0.240 IN x .067 IN
- PCB thickness = 0.032 IN
- Input connector = CON1
- RoHS compliant



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PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS*

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Symbol	Parameter	Value	Unit
Tled	Operating temperature of LED edge light (light rail contact)	-40 to +100	Deg-C
Tstg	LED Rail storage temperature	-40 to +100	Deg-C
Ifwd	Maximum LED edge-light forward current (DC)	125	mA

*Maximum Ratings are those values beyond which damage may occur.

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 150mA	33	37	41	Lm
X	White X coordinate			0.31		-
Y	White Y coordinate			0.32		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 41mA x 2 Banks, Tled = +75Deg-C (LED's without heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		63	70	77	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

