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ACR-0671-1989

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8.938" SINGLE BANK LED RAIL

(Single Bank, 67V @ 75mA)

02/09/12

GENERAL DESCRIPTION

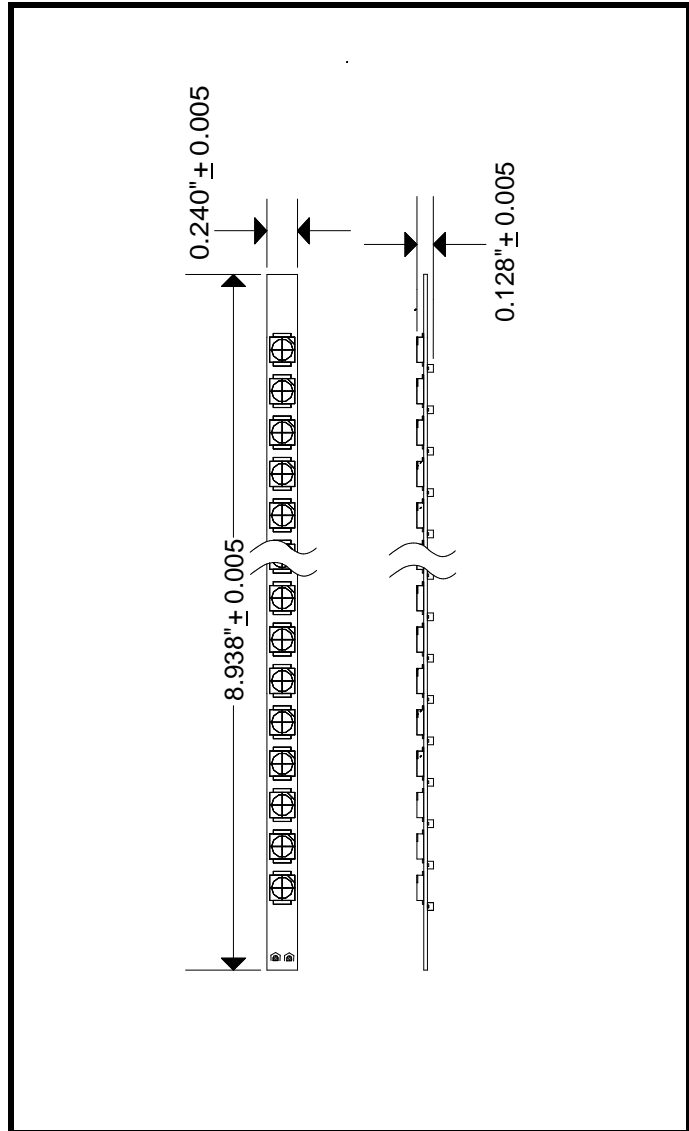
The ACR-0671-1989 is designed as a replacement for field replaceable, dual tube, single edge lit 10.4" CCFL displays. The rail utilizes protection circuits to ensure the whole rail will not fail in the unlikely event of an individual LED failure.

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 grams
- Altitude = 35,000 Ft maximum
- Humidity < 95% non-condensing
- Size (L x W x H) = 8.938 IN x 0.240 IN x .062 IN
- PCB thickness = 0.032 IN
- Input connector = CON1
- RoHS compliant



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MAXIMUM RATINGS

02/09/2012

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)	90	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 350mA	112	125	138	Lm
X	White X coordinate			0.344		-
Y	White Y coordinate			0.355		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 75.0mA (1 banks per rail), 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		60	67	74	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

