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ACR-0402-1779

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8.75" DUAL BANK LED RAIL

(Dual Bank, 40V @ 87mA)

4/03/08

GENERAL DESCRIPTION

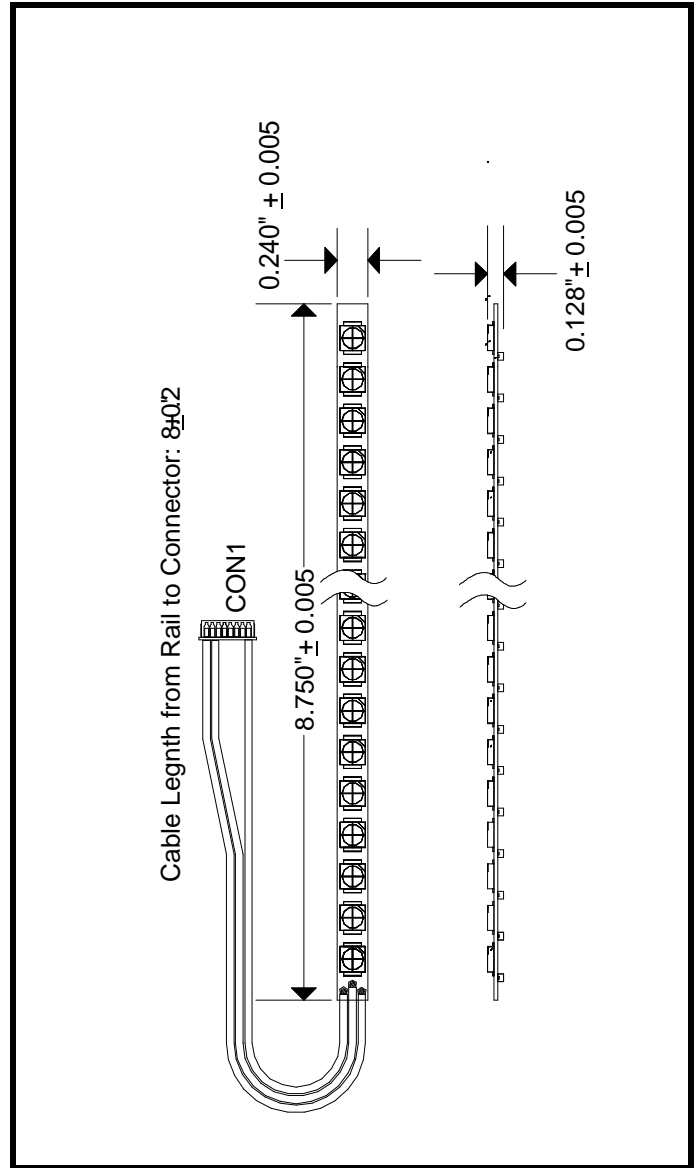
The ACR-0402-1779 is designed as a replacement for field replaceable, dual tube, single edge lit 10.4" CCFL displays. The rail utilizes protection circuits to ensure the whole rail will not fail in the unlikely event of an individual LED failure.

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

The LED rail is compatible with ACI'S I-Lite LED driver platform.

MECHANICAL / ENVIRONMENTAL

- Weight = 7.4 grams
- Altitude = 35,000 Ft maximum
- Humidity < 95% non-condensing
- Size (L x W x H) = 8.750 IN x 0.240 IN x 0.128 IN
- PCB thickness = 0.030 IN
- Input connector = CON1
- RoHS compliant



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MAXIMUM RATINGS

4/03/08

Symbol	Parameter	Value	Unit
Tled	Operating temperature of LED edge light (light rail contact)	-20 to +75	Deg-C
Tstg	LED Rail storage temperature	-40 to +105	Deg-C
Ifwd	Maximum LED edge-light forward current (DC)	125	Ma

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 350mA	61	66	72	Lm
X	White X coordinate			0.320		-
Y	White Y coordinate			0.316		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 87mA, 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		36	40	44	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

