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ACR-0971-2294

PRODUCT DATA SHEET – PAGE 1 OF 2

7.500" SINGLE BANK LED RAIL

(Single Bank, 97V @ 90 mA)

10/03/2013

GENERAL DESCRIPTION

The ACR-0971-2294 is designed as a replacement for field replaceable, single tube, dual edge lit 8.4" 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 = 8 grams

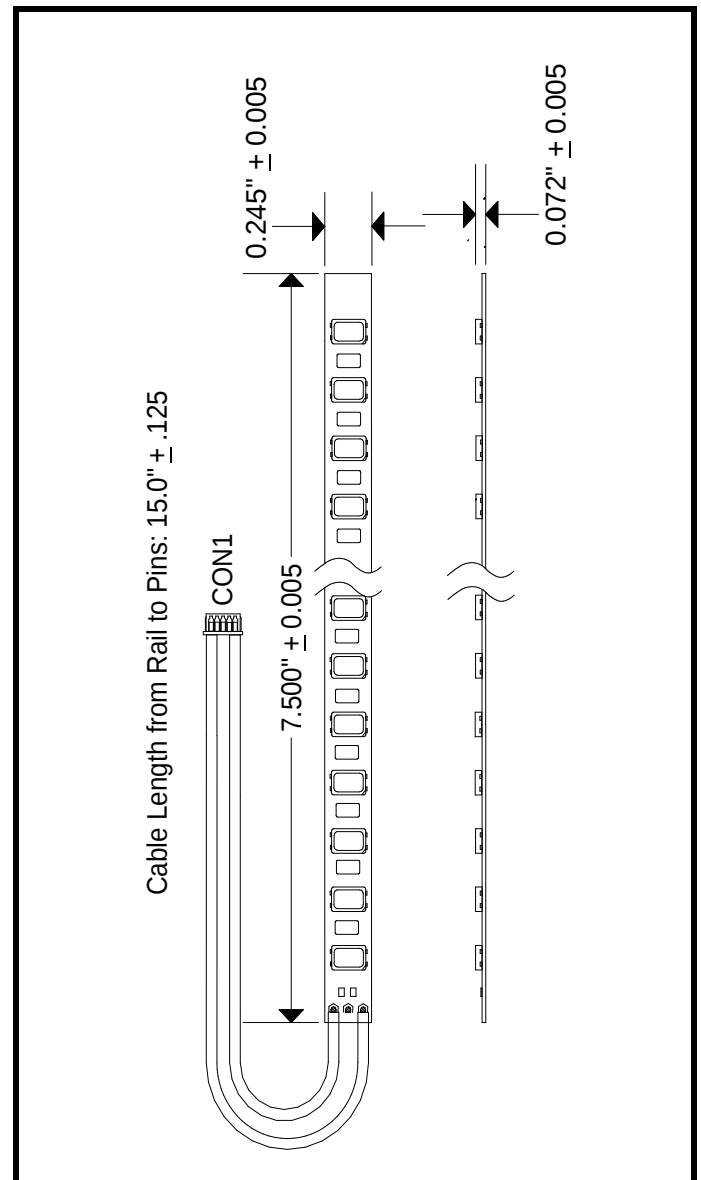
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 7.500 IN x 0.245 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS

10/03/2013

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	LED forward current	108	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 93mA	14.1	-	18.1	cd
X	White X coordinate			0.243		-
Y	White Y coordinate			0.220		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 90 mA (1 Bank per Rail, 2 Rails per Display), 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		87	97	107	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

