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ACR-1101-2188

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10.400" SINGLE BANK LED RAIL

(Single Bank, 110V @ 90.0mA)

06/19/13

GENERAL DESCRIPTION

The ACR-1101-2188 is designed as a replacement for field replaceable, single 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 = 8 grams

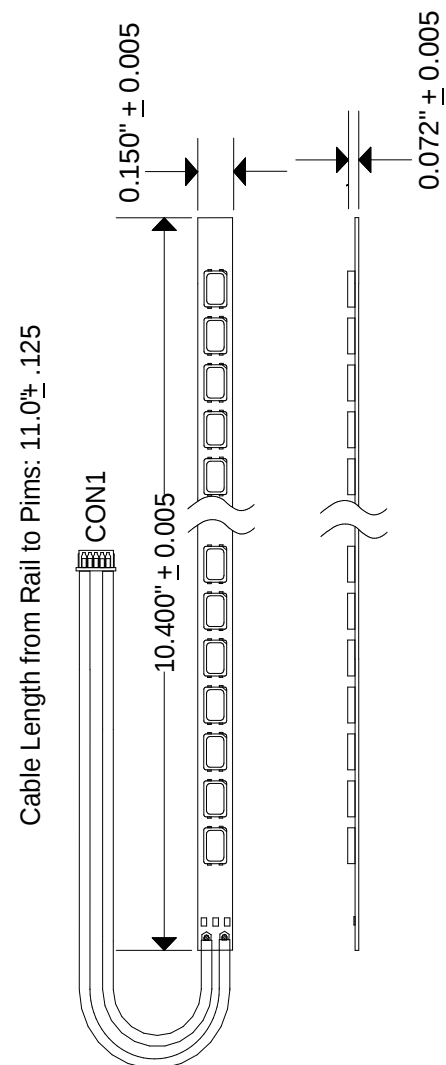
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 10.400 IN x 0.150 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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MAXIMUM RATINGS

06/19/13

Symbol	Parameter	Value	Unit
Tled	Operating temperature of LED edge light (light rail contact)	-30 to +85	Deg-C
Tstg	LED Rail storage temperature	-40 to +100	Deg-C
Ifwd	LED forward current	108.0	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity Rank	Ifwd = 110mA	9	11	13	cd
X	White X coordinate			0.299		-
Y	White Y coordinate			0.289		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 90.0mA (1 Bank per Rail, 1 Rail 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		99	110	121	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

