



397 Route 281 – P.O. Box 1175
Tully, New York 13159-1175
Phone: 315 696-6676
Fax: 315 696 9923
Email: sales@acipower.com
www.acipower.com

ACR-1028-2135

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18.970" 8 BANK LED RAIL

(8 Bank, 102V @ 35.0mA)

01/14/13

GENERAL DESCRIPTION

The ACR-1028-2135 is designed as a replacement for a tri tube, dual edge lit 22.0" 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 = 15 grams

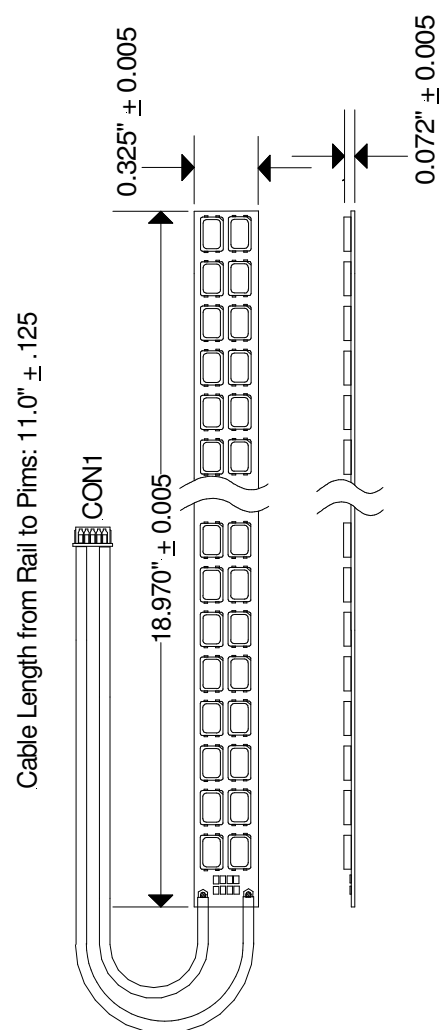
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 18.970 IN x 0.325 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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MAXIMUM RATINGS

01/14/13

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	42	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	16.5	-	17.3	cd
X	White X coordinate			0.245		-
Y	White Y coordinate			0.220		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 35.0mA (8 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		92	102	112	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

