



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

ACR-1004-2527

PRODUCT DATA SHEET – PAGE 1 OF 2

21.25" QUAD BANK LED RAIL

(Quad Bank, 100V @ 62.5mA)

06/24/2014

GENERAL DESCRIPTION

The ACR-1004-2527 is designed as a replacement for dual tube, dual edge lit 24.0" 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

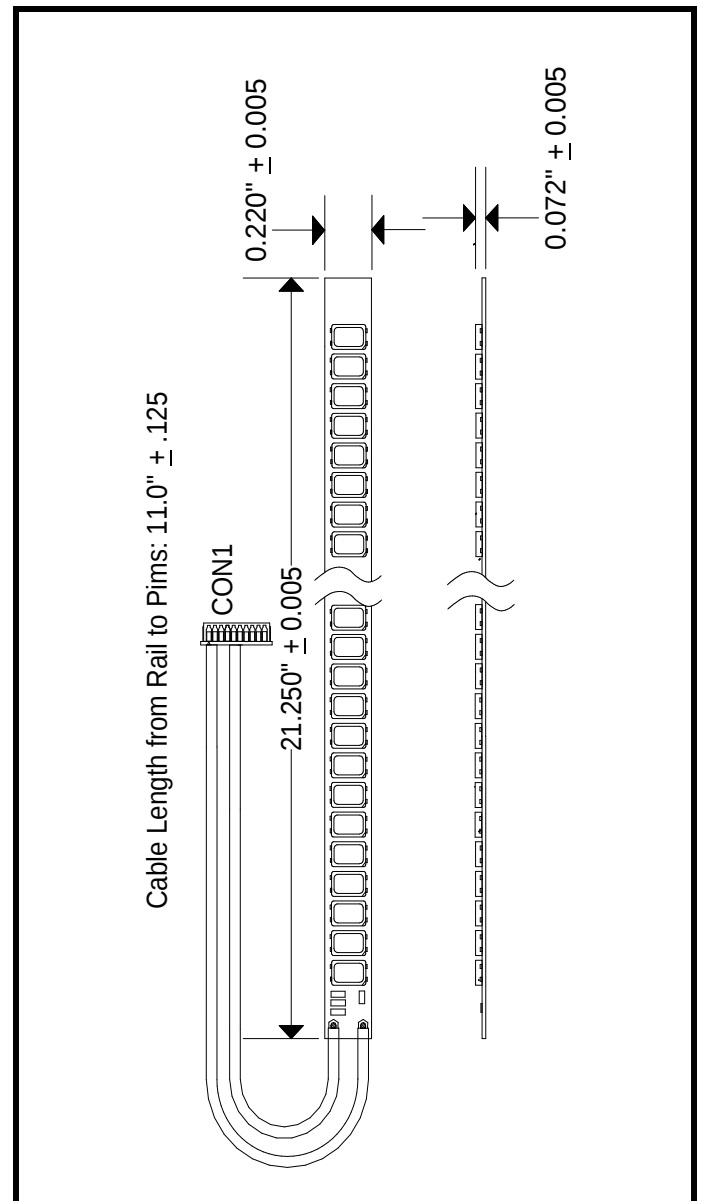
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 21.250 IN x 0.220 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS

06/24/2014

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 forward current (DC)	75	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
$\bar{u}_v$	Luminance Intensity	Ifwd = 110mA	26.3	-	28.9	lm
Cx	White X coordinate			0.301		-
Cy	White Y coordinate			0.294		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 62.5mA, 4 banks 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		90	100	110	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

