



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

ACR-0534-2413

PRODUCT DATA SHEET – PAGE 1 OF 2

10.70" QUAD BANK LED RAIL

(Quad Bank, 53V @ 45.0mA)

10/30/2013

GENERAL DESCRIPTION

The ACR-0534-2413 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 = 12 grams

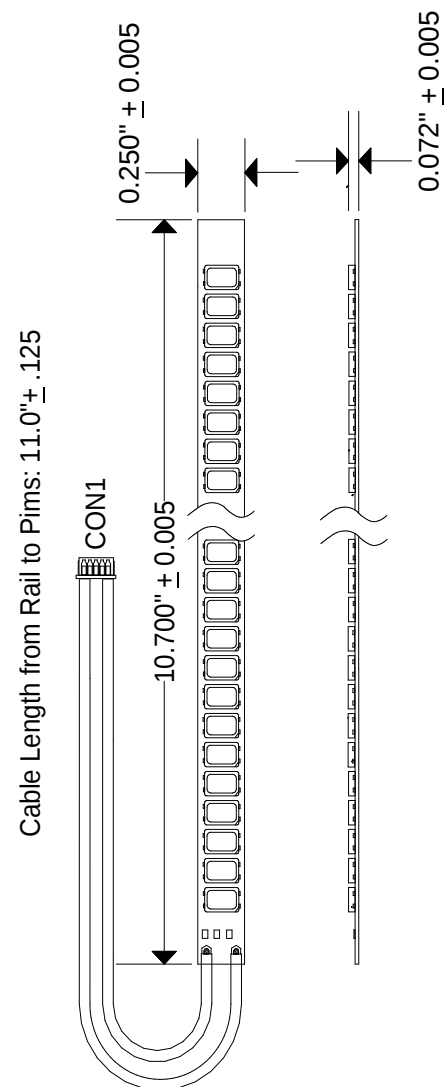
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 10.70 IN x 0.250 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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

PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS

10/30/2013

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	Maximum LED edge-light forward current (DC)	54.0	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Iv	Luminance Intensity	Ifwd = 110mA	23.7	-	34.2	lm
X	White X coordinate			0.300		-
Y	White Y coordinate			0.295		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 45.0mA, (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		48	53	58	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

