



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

ACR-0684-2933

PRODUCT DATA SHEET – PAGE 1 OF 2

13.80" QUAD BANK LED RAIL

(Quad Bank, 68V @ 82.5mA)

06/01/2018

GENERAL DESCRIPTION

The ACR-0684-2933 is designed as a replacement for single edge lit 15.6" 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 = 7 grams

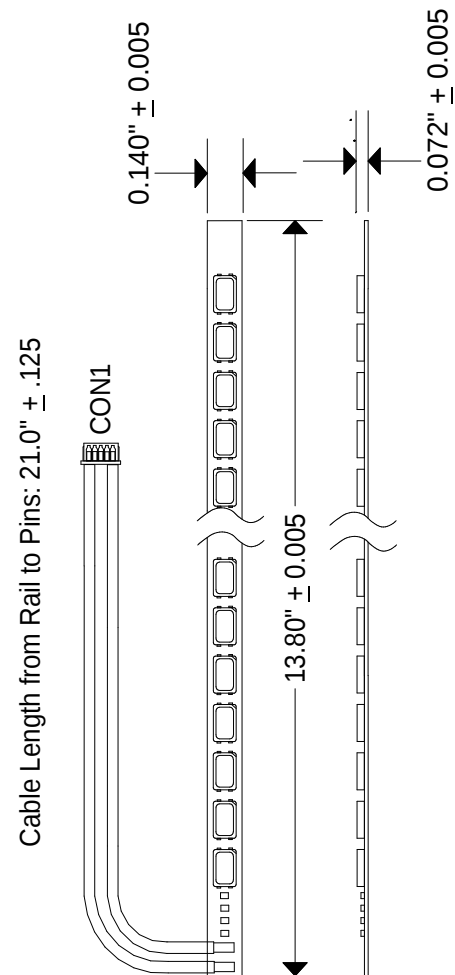
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 13.80 IN x 0.140 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS

06/01/2018

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	99	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	16.3	-	24.7	cd
X	White X coordinate			0.270		-
Y	White Y coordinate			0.260		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 82.5mA (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		61	68	75	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

