



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

ACR-0971-3119

PRODUCT DATASHEET

8.560" SINGLE BANK LED RAIL

(Single Bank, 97V @ 70mA)

04/13/2021

GENERAL DESCRIPTION

The ACR-0971-3119 is designed as a replacement for field replaceable, single rail, single edge lit LED 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 = 10 grams

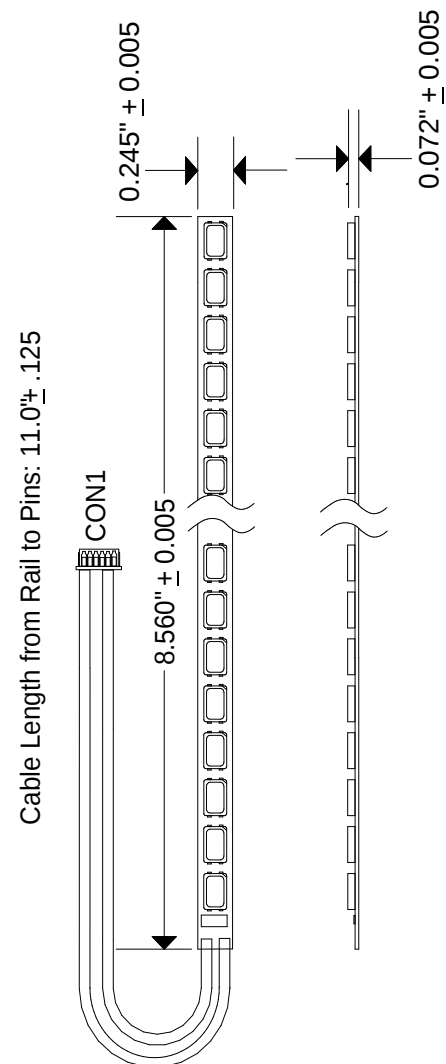
Altitude = 35,000 Ft maximum

Humidity < 95% non-condensing

Size (L x W x H) = 8.560 IN x 0.245 IN x .072 IN

PCB thickness = 0.032 IN

RoHS compliant



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

PRODUCT DATASHEET

MAXIMUM RATINGS

04/13/2021

Symbol	Parameter	Value	Unit
Tled	Operating temperature of LED edge light (light rail contact)	-40 to +80	Deg-C
Tstg	LED Rail storage temperature	-40 to +100	Deg-C
Ifwd	LED forward current	84	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	9		13	cd
X	White X coordinate			0.243		-
Y	White Y coordinate			0.220		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 70mA (1 Bank 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		87	97	107	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

