



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-0803-2050

PRODUCT DATA SHEET – PAGE 1 OF 2

15.28" TRI BANK LED RAIL

(Tri Bank, 80V @ 55.0mA)

02/22/12

GENERAL DESCRIPTION

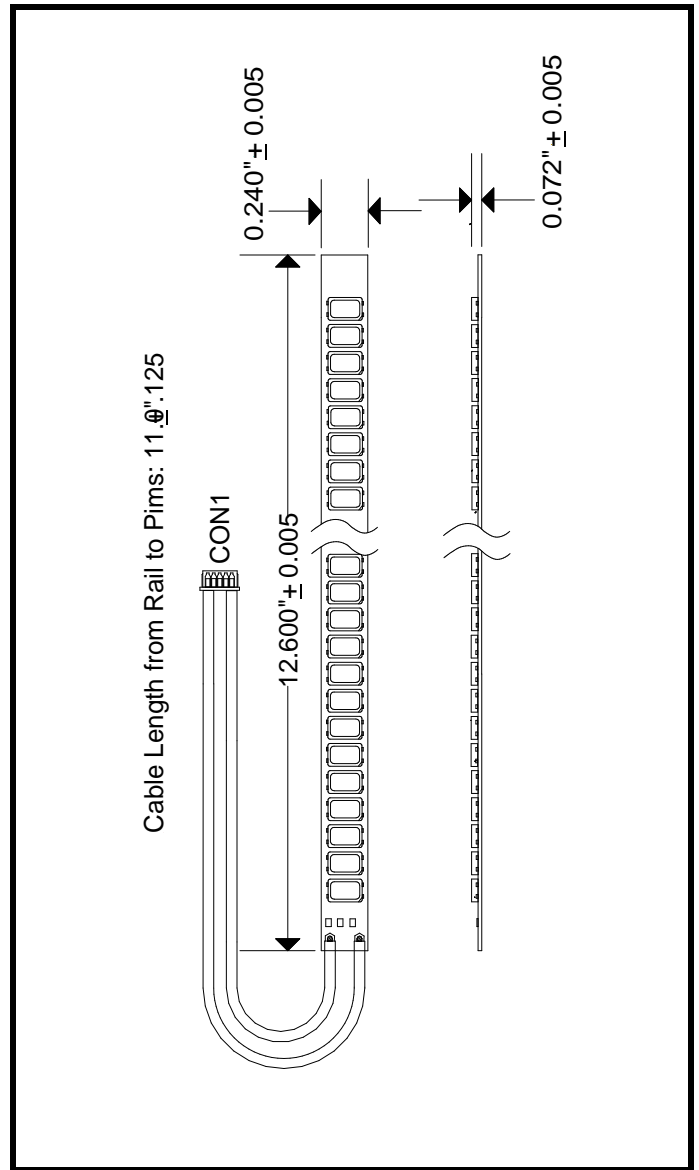
The ACR-0803-2050 is designed as a replacement for field replaceable, dual tube, dual edge lit 15.0" CCFL displays.

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 = 10 grams
- Altitude = 35,000 Ft maximum
- Humidity < 95% non-condensing
- Size (L x W x H) = 12.600 IN x 0.240 IN x .072 IN
- PCB thickness = 0.032 IN
- RoHS compliant



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

PRODUCT DATA SHEET – PAGE 2 OF 2

MAXIMUM RATINGS

02/22/12

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	61.0	mA

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

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

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 55.0mA (3 Banks per Rail, 2 Rails 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		72	80	88	Vdc

TYPICAL LED RAIL PERFORMANCE GRAPHS

