



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-1092-1917

PRODUCT DATA SHEET – PAGE 1 OF 2

Dual Rail Set (2) 12.55" SINGLE BANK LED RAILS (Single Bank, 108V @ 121mA)

03/11/10

GENERAL DESCRIPTION

The ACR-1092-1917 is a dual rail set designed as a replacement for field replaceable, dual tube, dual edge lit 15" CCFL displays. The rails utilize protection circuits to ensure the whole rail will not fail in the unlikely event of an individual LED failure.

The rail requires the use of a constant current source to properly drive the LEDs.

The LED dual rail set is compatible with the I-Drive5 platform.

MECHANICAL / ENVIRONMENTAL

Weight = 15.6 grams

Altitude = 35,000 Ft maximum

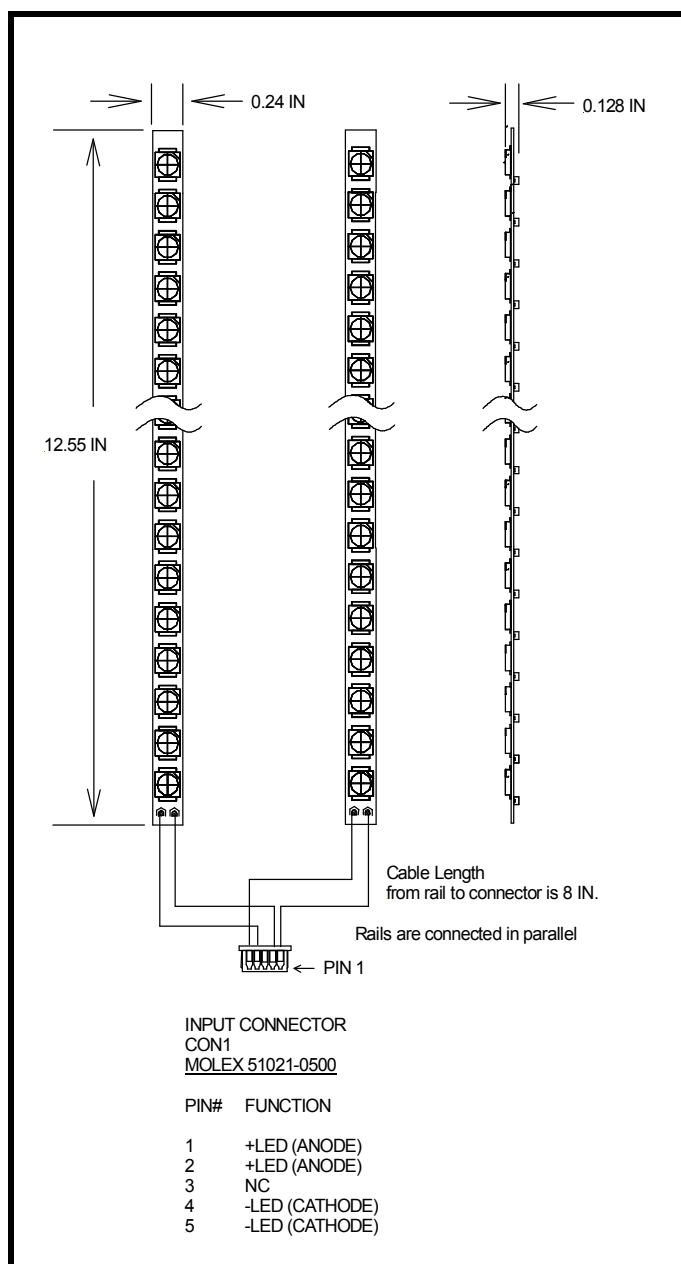
Humidity < 95% non-condensing

Rail Size (L x W x H) = 12.250 IN x 0.240 IN x 0.128 IN

PCB thickness = 0.030 IN

Input connector = CON1

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*

03/11/10

Symbol	Parameter	Value	Unit
Tled	Operating temperature of LED edge light (light rail contact)	-20 to +75	°C
Tstg	LED Rail storage temperature	-40 to +105	°C
Ifwd	LED forward current	150	mADC

*Maximum Ratings are those values beyond which damage may occur.

LED OPTICAL CHARACTERISTICS

LED Manufacturer specifications for reference purpose only

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
BL	LED Brightness	Ifwd = 350 mA	50	55	60	Lm
X	White X coordinate			0.320		-
Y	White Y coordinate			0.316		-

LED RAIL ELECTRICAL CHARACTERISTICS

Ifwd = 121mA, Single Bank per Rail, 2 Rails per Dual Rail Set, Tled = +75° C (LEDs without heat sinking to the display)

Symbol	Parameter	Test Conditions	Min	Typ	Max	Unit
Vfwd	LED rail forward voltage drop		97	108	119	Vdc

TYPICAL LED RAIL SET PERFORMANCE GRAPH

