



High Brightness LED Rails

LT-283200



Overview

Spectrah LT-283200 series are high brightness LED rails. This product line provides a simpler and less costly option of replacing lamps and power source in an existing LCD panel rather than re-designing the whole panel system. Working with Spectrah dedicated LED driving board LED-261 series, LT-283200 is able to upgrade NEC 10.4" CCFL panels to LED backlight with high brightness, high dimming ratio, long life, and low power consumption.

Features

- CREE LED (High brightness)
- Luminance 800-1200 nits
- NEC 10.4" panel backlight unit compatible
- Long life time
- Low power consumption

Support Panel

- NEC-NL6448BC33-59
- NEC-NL8060BC26-27
- NEC-NL6448AC33-18
- NEC-NL8060BC26-30C
- NEC-NL6448BC33-63C
- NEC-NL6448BC33-64C
- NEC-NL6448BC33-63D

Operating Conditions

Rating	Symbol	Value	Units
Componet Surface Temperature	T_s	- 40 ~ +125	°C
Storage Temperature	T_{stg}	- 40 ~ +120	°C

Mechanical Characteristics

	L	W	H
Dimension	230 mm	7 mm	8.35 mm
Weight	MAX. 10g		

Electrical Characteristics

Unless otherwise noted $V_{in} = 12$ Volts DC and $T_a = 25^\circ\text{C}$

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Forward Current	I_F	-	140	-	mA
Number of Strings	-	-	4	-	-
LED Forward Voltage	V_F	-	3	3.2	V
String Voltage	V_S	-	24	25.35	V

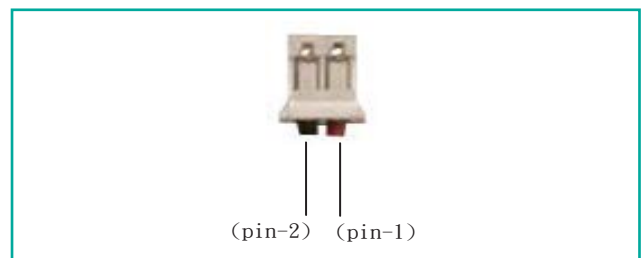
Connector

Pin No.	Brand	Symbol	Description
1	JST-S2B-PH	Anode	Red
2	JST-S2B-PH	Cathode	Black

Peripheral

- LED Backlight Driver : LED-261560

Pin Number



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