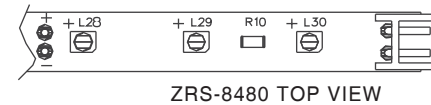
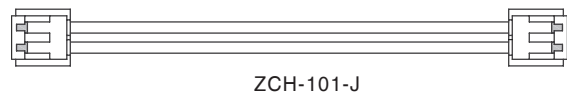
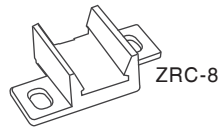
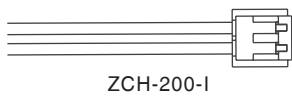


## LED LIGHT BARS

### ZRS-8480 SERIES

#### Accessories:

ZCH-200-I	Power Connector	ZPS-01	} 12 Volt Power Supplies
ZCH-101-J	Joiner Connector	ZPS-1220	
ZRC-8	Mounting Clip	ZPS-1225	
ZDM-01	PWM LED Dimmer	ZPS-1235	
		ZPS-1260	



#### APPLICATIONS

The ZRS-8480 LED light bars have a rigid PCB backing and are most commonly used in backlighting signs, architectural lighting, display case illumination and decorative lighting.

#### POWER INPUT

The ZRS-8480 bars require 12 Volt DC power and each unit uses 200 mA. The input connector (ZCH-200-I) plugs into the strip and has wire leads. The joiner connector (ZCH-101-J) is used to connect two bars to each other. A maximum of 22 of the ZRS light bars can be connected in series and operated from one ZPS-1260 12 volt power supply.

#### LENGTH

The dimensions are: Length 485mm (19.1"), Width 8mm (0.31") & Height 5.6mm (0.22")

Each unit has 10 sections of 3 LEDs. JKL can offer the LED bars cut to specific lengths. If you plan to cut the bar on your own, the use of a small hand saw with a fine tooth blade will reduce vibration for an accurate cut. Wire cutters or shears are not recommended.

#### OUTPUT DIMMING

Optimum dimming is accomplished with a PWM dimmer, such as the ZDM-01, which will maintain operating voltage to the ZRS-8480 bar. Varying the duty-cycle to the LED bar will permit easy changes to the light output. Less sophisticated, simpler application designs, such as accent lighting and case lighting, can simply apply a lower voltage (from 8 to 12 VDC) to the bar to obtain desired brightness levels.



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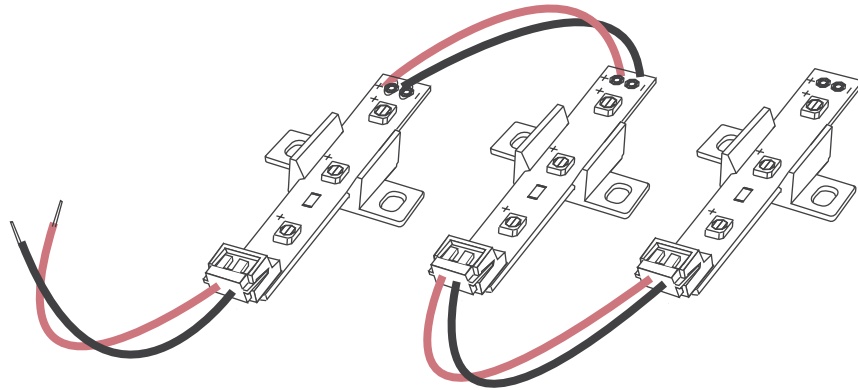
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## SERIES APPLICATIONS

The ZRS LED bars can be arranged inline by using a joiner connector (ZCH-101-J). JKL recommends that no more than 22 bars be joined together and powered from one end. If one LED is damaged, the other LEDs will remain lit unless the trace is damaged.

When joining bars or connecting the power using the ZCH-101-J joiner cables or ZCH-200-I input cable, caution should be used to maintain the color convention of the wires. Since the connectors on both sides of each ZRS LED bars are the same, the red wire on all cables should be connected to the "+" on the bars and the black wire should be connected to the "-" on the bars.



## MOUNTING

JKL offers a mounting clip (ZRC-8) which is compatible with the ZRS series LED light bars. The mounting clip can be placed on any flat surface and the double sided tape on the backside of the clip can be used to secure it. Alternately, a 4-40 or similar sized screw can be utilized to affix the mounting clip.

## SOLDERING

The soldering tip should be sized to match the solder pads. The tip temperature should be maintained just above what is needed to melt the solder used. A small amount of solder flux can be added to the area to be soldered to aid in solder flow and cleaning of oxides.

## CAUTIONS

LEDs are electrostatic sensitive devices (ESD). Take appropriate precautions during handling and installation of the strips.



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