JKL® COMPONENTS CORPORATION

APPLICATION SHEET

LED LIGHT BARS

ZRS-8480 SERIES



Accessories:

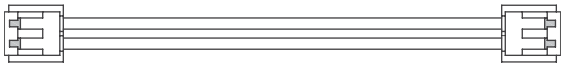
ZCH-200-I	Power Connector
ZCH-101-J	Joiner Connector
ZRC-8B	Mounting Clip



ZCH-200-I



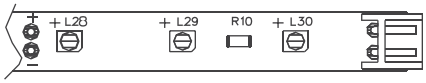
ZRC-8B



ZCH-101-J



ZRS-8480 SIDE VIEW



ZRS-8480 TOP VIEW

APPLICATIONS

The ZRS-8480 LED light bars have a rigid PCB backing and are most commonly used for integrating into low voltage lighting systems for signs and equipment.

POWER INPUT

The ZRS-8480 bars require an external 12V DC power supply. Each full bar is 2.4 Watts. 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 power source.

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.

RoHS Compliant
ISO9001 Certified

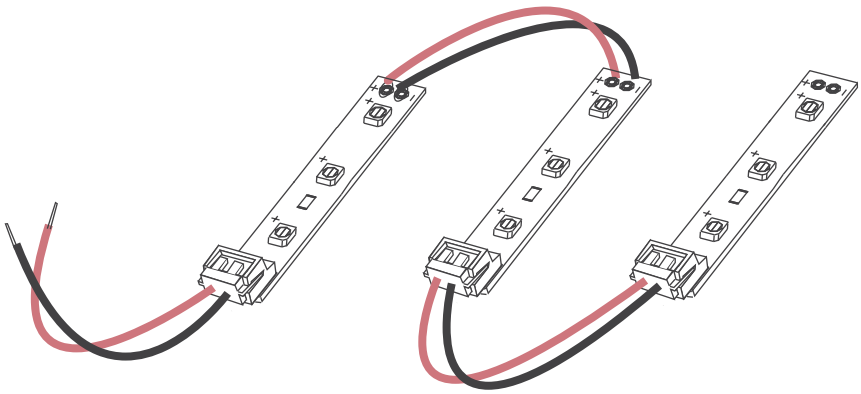
Quality Lighting Solutions

JKL® COMPONENTS CORPORATION
WWW.JKLLAMPS.COM
SALES@JKLLAMPS.COM
800-421-7244
Since 1972

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-8B) 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.

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.

DO NOT connect directly to line voltage.

For professional integration into low-voltage lighting systems