

LED FLEX RIBBON

ZFS-SERIES



ZFS-Series:

ZFS-8500	LED Flex Ribbon 12V
ZFS-85000HD	High Density LED Flex Ribbon 12V
ZFS-84000	High Density LED Flex Ribbon 24V

Accessories:

ZFS-200-I	Input Connector
ZFS-205-J	Joiner Connector
ZFS-CH0-J	Solderless Connector
ZDM-01	PWM LED Dimmer

ZPS-01	12 Volt Power Supplies
ZPS-1220	
ZPS-1225	
ZPS-1235	
ZPS-1260	24 Volt Power Supplies
ZPS-2435	
ZPS-2460	

APPLICATIONS

JKL's LED Flex Ribbon is most commonly used for backlighting signs, architectural accent lighting, display case illumination, decorative lighting and designs that require a flexible light source.

POWER INPUT

The ZFS-8500 & ZFS-85000HD Flex Ribbon operate on 12 VDC and the ZFS-84000 operates on 24 VDC. Each Flex Ribbon reel comes with a 100mm insulated lead wire on one end for power connection. Power requirements are 21.6 Watts for the ZFS-8500, 52.8 Watts for the ZFS-85000HD and 34.6 Watts for the ZFS-84000. Consult the chart on page two for the maximum length of ribbon which can be connected in series for continuous linear lighting.

COLOR RANGE

The 24 VDC ZFS-84000 LED Ribbon is available in Cool White, Red and Blue. ZFS 8500 and the ZFS-85000HD are available in three shades of white:

6500°K
COOL

4100°K
NEUTRAL

3050°K
WARM

OUTPUT DIMMING

Optimum dimming is accomplished with a PWM, such as the ZDM-01, which will maintain operating voltage to the ZRS ribbon. The dimmer varies the duty-cycle to the LED which permits easy changes to the light output.



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Quality Lighting Solutions
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COMPONENTS
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Since 1972

ZFS- SERIES

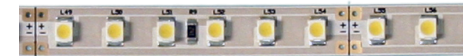
Part Series	ZFS-8500	ZFS-85000HD	ZFS-84000
Voltage	12 VDC	12 VDC	24 VDC
Reel Length	5 Meter	5 Meter	4 Meter
Power for one Reel	21.6 Watts	52.8 Watts	34.6 Watts
LEDs per Reel	300	600	480
Min. Segment Length	50 mm	25 mm	50 mm
LEDs per Segment	3	3	6
LED Pitch	16 mm	8 mm	8 mm
Max Length in Series	10 Meter	5 Meter	8 Meter
Color Options	Cool White	Cool White	Cool White
	Neutral White	Red	Neutral White
	Warm White	Blue	Warm White



ZFS-8500



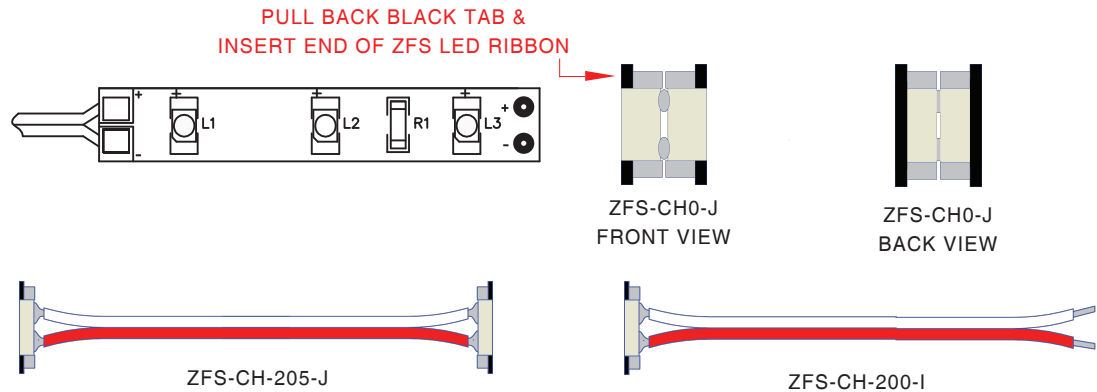
ZFS-85000HD



ZFS-84000

LENGTH & PITCH

The ZFS Flex Ribbon is available in reels and can be cut into smaller segments. Marked lines on the ribbon show where cuts can be made and each segment contains holes on each side in which a connector can be placed or a wire soldered into place. JKL offers two solderless connectors for the ZFS series: ZFS CH0-J which simply joins two pieces and the ZFS-CH-205-J which gives a 200mm spacing between the two joiners. From the front side, pull back the black tab of the connector end and insert the ribbon. Be sure to maintain polarity in all connections so that the positive “+” and negative “-” symbols line up on all connections of the ribbon segments.



INSTALLATION

The ZFS LED flex ribbon comes with adhesive backing and a paper cover strip that can be easily peeled away for mounting to most surfaces. Insulated staples can also be used to mount the LED Flex Ribbon if care is taken not to damage the strip. If one LED is damaged, the other LEDs will remain lit unless the trace is damaged.

⚡ CAUTIONS

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



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