

# HIGH DENSITY LED FLEX RIBBON

## Features

VOLTAGE: 24V DC  
 CURRENT: 1440mA  
 LED VIEWING ANGLE (2 θ 1/2): 120°

STANDARD PACKAGING:  
 4 Meter Reel (480 LED's)

OPTIONAL PACKAGING:  
 Individual 500mm Sections (60 LED's)  
 Order as ZFS-84000-XX/SEC  
 Note: Individual Sections ARE NOT supplied  
 with insulated wire connection.



## Maximum Ratings

| Parameter                | Symbol           | Rating     | Units |
|--------------------------|------------------|------------|-------|
| LED Junction Temperature | T <sub>J</sub>   | 125        | °C    |
| Operating Temperature    | T <sub>opr</sub> | -30 ~ +85  | °C    |
| Storage Temperature      | T <sub>stg</sub> | -40 ~ +100 | °C    |
| ESD Sensitivity          | V <sub>B</sub>   | 1000       | V     |

## Accessories

ZPS-2435 24V, 35 Watt Power Supply  
 ZPS-2460 24V, 60 Watt Power Supply  
 ZDM-01 PWM LED Dimmer

Note: ZPS-2435 and ZPS-2460 require  
 use of wire nuts for connections.

## Electro-Optical Characteristics (Ta = 25°C)

| JKL Part Number | Color         | Number of LED's | Input Voltage (V DC) | Power (W) | Current (mA) | Radiance Angle | CCT (K) | Lumen Flux (lm) |
|-----------------|---------------|-----------------|----------------------|-----------|--------------|----------------|---------|-----------------|
| ZFS-84000-CW    | Cool White    | 480             | 24                   | 34.56     | 1440         | 120°           | 6000    | 2200            |
| ZFS-84000-NW    | Neutral White | 480             | 24                   | 34.56     | 1440         | 120°           | 4100    | 2070            |
| ZFS-84000-WW    | Warm White    | 480             | 24                   | 34.56     | 1440         | 120°           | 3050    | 1940            |

## Note

Please refer to JKL Application Sheet JKL-AS-ZFS-LED FLEX  
 for Installation and Power Recommendations.



### ATTENTION

OBSERVE PRECAUTION FOR  
 HANDLING ELECTROSTATIC  
 DISCHARGE SENSITIVE DEVICES

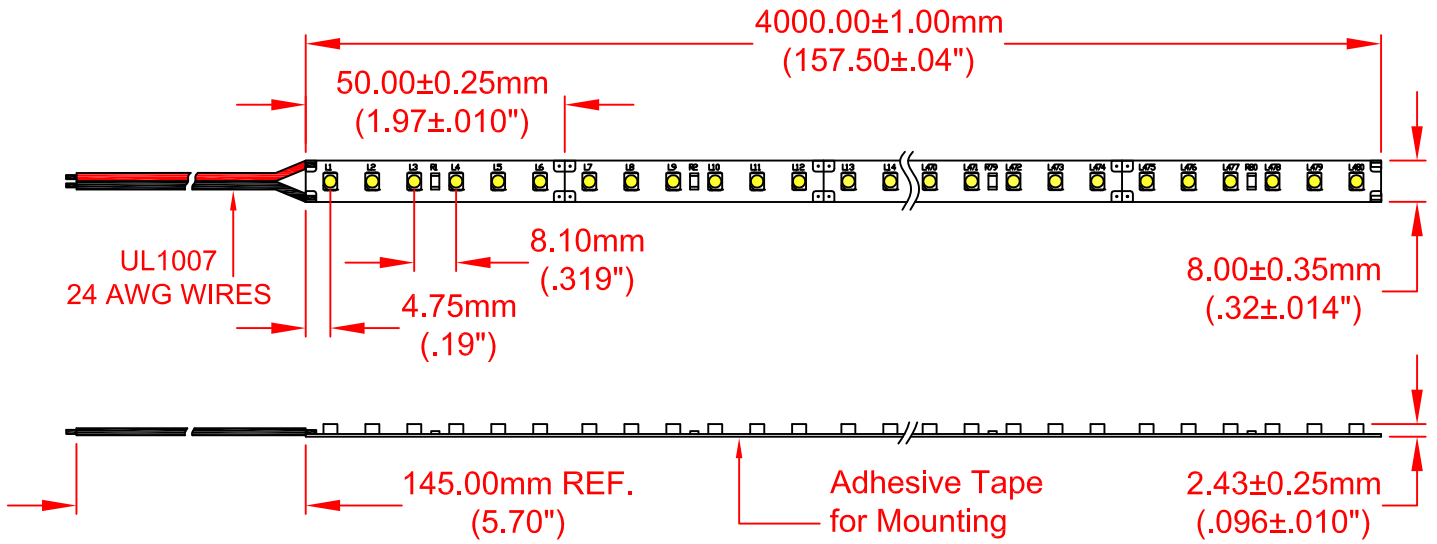
|          |                                       |             |
|----------|---------------------------------------|-------------|
| I        | DELETE MATING COMPONENTS              | 1/6/14      |
| H        | CHANGE LUMEN FLUX NO'S                | 10/29/12    |
| G        | ADD ACCESSORIES & NOTES               | 8/22/11     |
| F        | ADD WIRE TYPE AND SIZE                | 6/27/11     |
| E        | NEW LAYOUT & PHOTO                    | 5/24/11     |
| D        | CHNG TO ZPS-2435 POWER SUPPLY & PHOTO | 4/15/11     |
| C        | CORRECT LINE DRAWING                  | 4/5/11      |
| B        | CORRECT DIM LINE ON LED HT.           | 3/29/11     |
| A        | WIRE DIMS TO REF. & ADDED TO FEATURES | 11/10/10    |
|          | RELEASED AND CANCEL PL-0903-07        | 11/10/10    |
| REV. NO. | DESCRIPTION/ECO NUMBER                | APPV'D DATE |

|   |           |                                      |               |
|---|-----------|--------------------------------------|---------------|
| METRIC  |           | DIMENSIONS ARE IN mm (INCHES)        |               |
|   |           | TOLERANCE UNLESS OTHERWISE SPECIFIED |               |
| THIRD ANGLE PROJECTION                            |           | 1 PL +/- REF.                        | 2 PL +/- REF. |
| DRAWN BY  | APPV'D BY | DATE                                 |               |
| L. WENGSTROM                                      | L.R.      | 1/6/14                               |               |
| - CAD DRAWING -<br>MANUAL REVISIONS NOT PERMITTED |           |                                      |               |

|  |               |               |                 |        |
|--|---------------|---------------|-----------------|--------|
| <b>JKL</b> COMPONENTS CORPORATION          |               |               |                 |        |
| TITLE<br>HIGH DENSITY LED FLEX RIBBON, 24V |               |               |                 |        |
| SIZE                                       | FSCM NO.      | DRAWING NO.   | ZFS-84000 MULTI |        |
| A  | 55335         |               |                 |        |
| SCALE                                      | RELEASED DATE | REVISION DATE | REV. NO.        | SHEET  |
| NONE                                       | 11/10/10      | 1/6/14        | I               | 1 OF 2 |

# HIGH DENSITY LED FLEX RIBBON

## Dimensions



## Circuit Diagram

