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LED LIGHTING

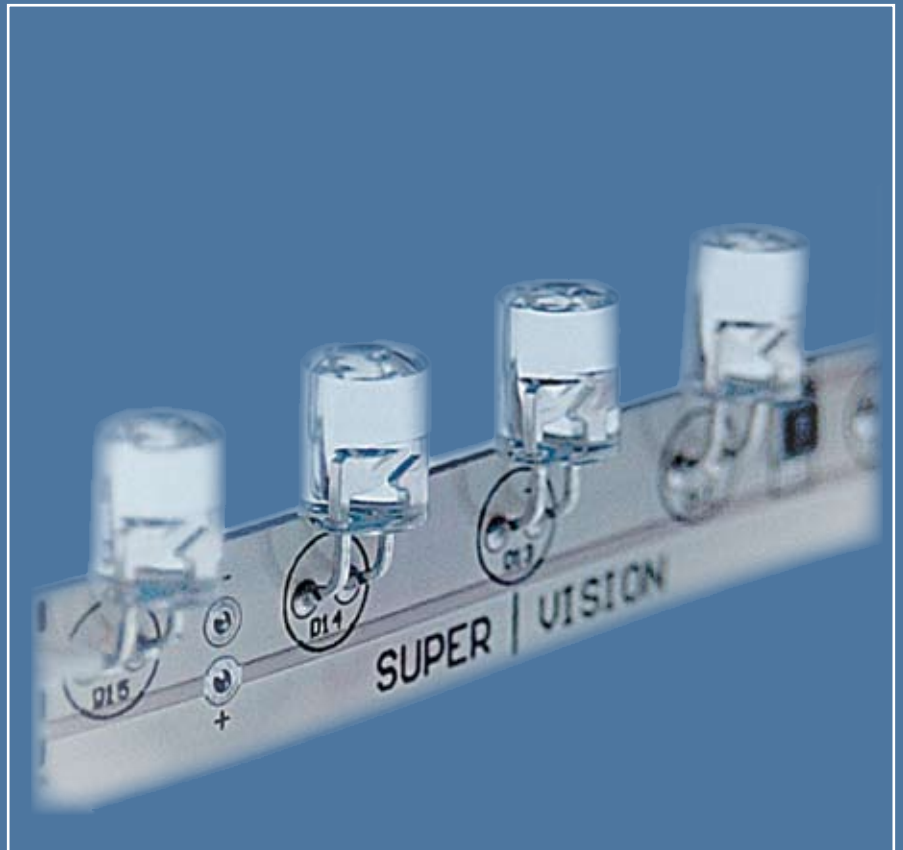
FLEXLED™ White

FlexLed™ (white)

FlexLed™ 12" 12 VDC Flexible LED strip for signage applications, reverse and front lit channel letters, cove lighting, and display cases.



FLEXLED White



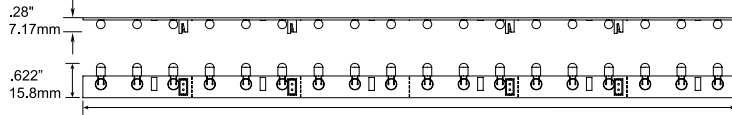
TECHNICAL SPECIFICATIONS

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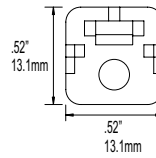
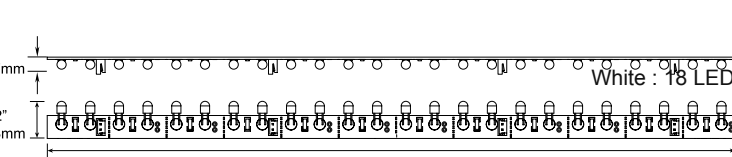
FLEXLED White™



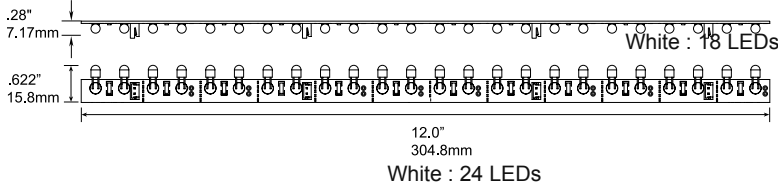
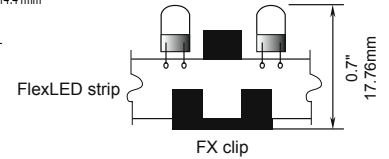
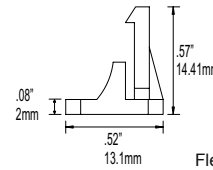
FXCLIP2 - TOP VIEW



FXCLIP2 - SIDE VIEW



FXCLIP2 - MOUNTING CLIP



FLEXLED™
THE ORIGINAL

SPECIFICATION FEATURES

Features:

- Connect strips together via jumper cables
- 4 jumper sockets per strip for easy connection to other FLEXLED strips
- The FLEXLED strips can easily be cut in the field.
- Bend radius: 1.5" (38mm)

Benefits:

- Highest Performance
- Optically Superior
- Smallest Size
- Higher Reliability
- Improved Thermal Performance
- EDS Protected with a built in Zener Diode
- Flip chip technology so there is no wire-bond to fail. Flip-chip packaging is clearly superior to that of conventional wire-bond
- Thicker and more even phosphor distribution for better color consistency
- Better angle consistency
- This 4mm LED Package was designed for illumination applications

The FLEXLED system:

- The FLEXLED strip - available in 1 foot segments
- 12V power supply - available in a full range if wattage
- Power/Jumper cables to connect the strips together without solder
- Mounting clips for easy installation

Energy Efficient:

- One 12" (305mm) strip uses:
 - 3.2 watts per foot for 24 LEDs
 - 2.4 watts per foot for 18 LEDs
- Maximum distance from power supply to FLEXLED strip is 30 feet (9.1m)
- Power supplies are available in a range from 60 to 300 watts.

Standards:

- UL/ cUL/ ETL (tested to UL48)
- Must be used with a UL approved Class 2 power supply
- Maximum Current Per PCB for White - 260mA per strip
- Number of LEDs per strip - 24 or 18

PCB Length: 12" (305mm)

Input-Voltage: 12VDC

Connector Power Rating: 3A

LED type: InGan (White) high flux

PCB material: UL 94-V0 FR-4 G10 Fiberglass

LED spacing: 24 LED - 0.5"(13mm), 18 LED - 0.67"(17mm)

PCB width: 0.4" (10mm)

PCB thickness: 0.037" (0.94mm)

Cable: FXPC

Cable wiring gauge: #22Awg standard

Optical data: 90° beam spread

Environmental specs: -65°F to 130°F, 0 - 100% humidity (no direct rain)

ORDERING INFORMATION

FLEXLED STRIP

- 10.0309-AO: Cool white (6500K) 12" - 24 LEDs
- 10.0309-6: Warm white (5700K) 12" - 24 LEDs
- 10.0310-AO: Cool White (6500K) 12" - 18 LEDs
- 10.0310-6: Warm White (5700K) 12" - 18 LEDs

MOUNTING CLIP

FXCLIP2: mounting clip (30 per bag)

JUMPER CABLES

- FXPC1 - 1"
- FXPC4 - 4"
- FXPC8 - 8"
- FXPC12 - 12"
- FXPC48 - 48"
- FXPC120 - 120"

B₆ LED LIGHTING

FLEXLED™ Color

FlexLed™ (color)

12VDC Flexible LED strip for cove lighting, display cases, channel letters and signage.



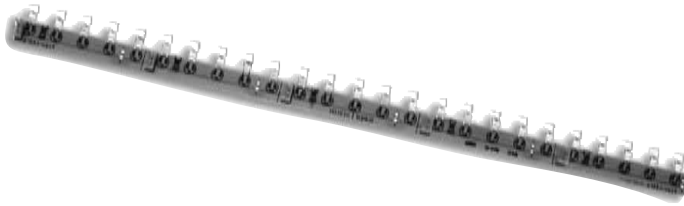
FLEXLED Color



TECHNICAL SPECIFICATIONS

B₇

FLEXLED™ Color



SPECIFICATION FEATURES

Features:

- Connect strips together via jumper cables
- 4 jumper sockets per strip for easy connection to other FLEXLED strips
- The FLEXLED strips can easily be cut in the field.
- Bend radius: 1.5" (38mm)

The FLEXLED system:

- The FLEXLED strip - available in 1 foot segments and 6 colors
- 12V power supply - available in a full range of wattages
- Power/Jumper cables to connect the strips together without solder
- Mounting clips for easy installation

Energy Efficient:

- One 12" (305mm) strip uses 1.5 to 1.8 watts per foot depending on color for deep red, clear red, amber, and orange.
3.2 watts per foot for green, blue
 - Maximum distance from power supply to FLEXLED strip is 30 feet (9.1m)
 - Power supplies are available in a range from 60 to 300 watts.

Standards:

UL/ cUL/ ETL (tested to UL48)

Must be used with a UL approved Class 2 power supply

Maximum Current Per PCB for Green, Blue: 260mA per strip

Maximum Current Per PCB for Clear Red, Deep Red, Orange, Amber: 180mA per strip

Number of LEDs per strip: 18 - Clear Red 24 - Green, Blue
25 Deep Red, Orange, Amber

PCB Length: 12" (305mm)

Input-Voltage: 12VDC

Connector Power Rating: 3A

LED type: AllnGap (Deep Red, Clear Red, Orange, Amber)
high flux InGan (Green, Blue) high flux

PCB material: UL 94-V0 FR-4 G10 Fiberglass

LED spacing: 0.5"(13mm) for 24 LED - Green, blue

0.47" (12mm) for 25 LED - Deep Red, Orange, Amber 0.67" (17mm) for 18 LED - Clear Red

PCB width: 0.4" (10mm)

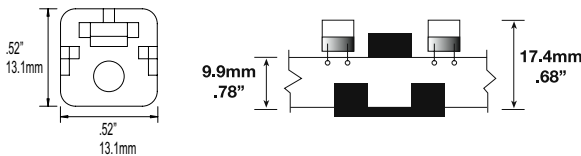
PCB thickness: 0.037" (0.94mm)

Cable: FXPC

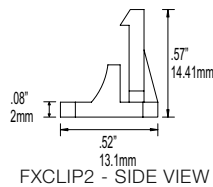
Cable wiring gauge: #22Awg standard

Optical data: 100° beam spread

Environmental specs: -65°F to 130°F, 0 - 100% humidity (no direct rain)



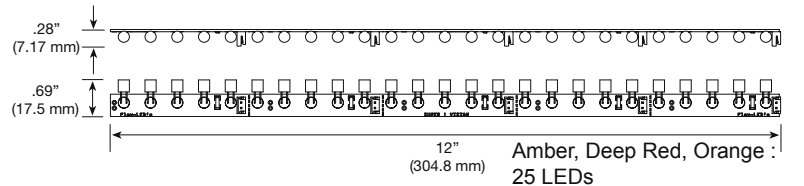
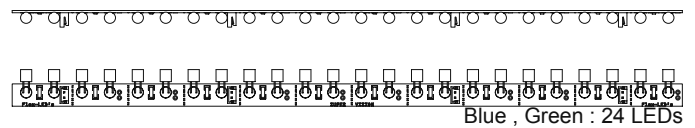
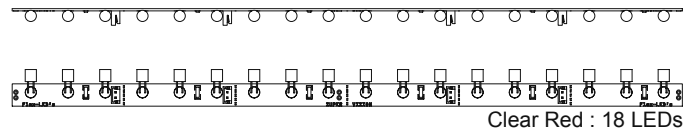
FXCLIP2 - TOP VIEW



FXCLIP2 - SIDE VIEW



FXCLIP2 - MOUNTING CLIP



ORDERING INFORMATION

***Note : Dimensions typical for all FlexLED™ color strips**

FLEXLED strip

- 10.0300 red 12"
- 10.0301 clear red 12"
- 10.0302 amber 12"
- 10.0303 blue 12"
- 10.0304 green 12"
- 10.0306 orange 12"

MOUNTING CLIP

FXCLIP2
mounting clip
30 per bag

JUMPER CABLES

- FXPC1 - 1"
- FXPC4 - 4"
- FXPC8 - 8"
- FXPC12 - 12"
- FXPC48 - 48"
- FXPC120 - 120"