

B₄ LED LIGHTING

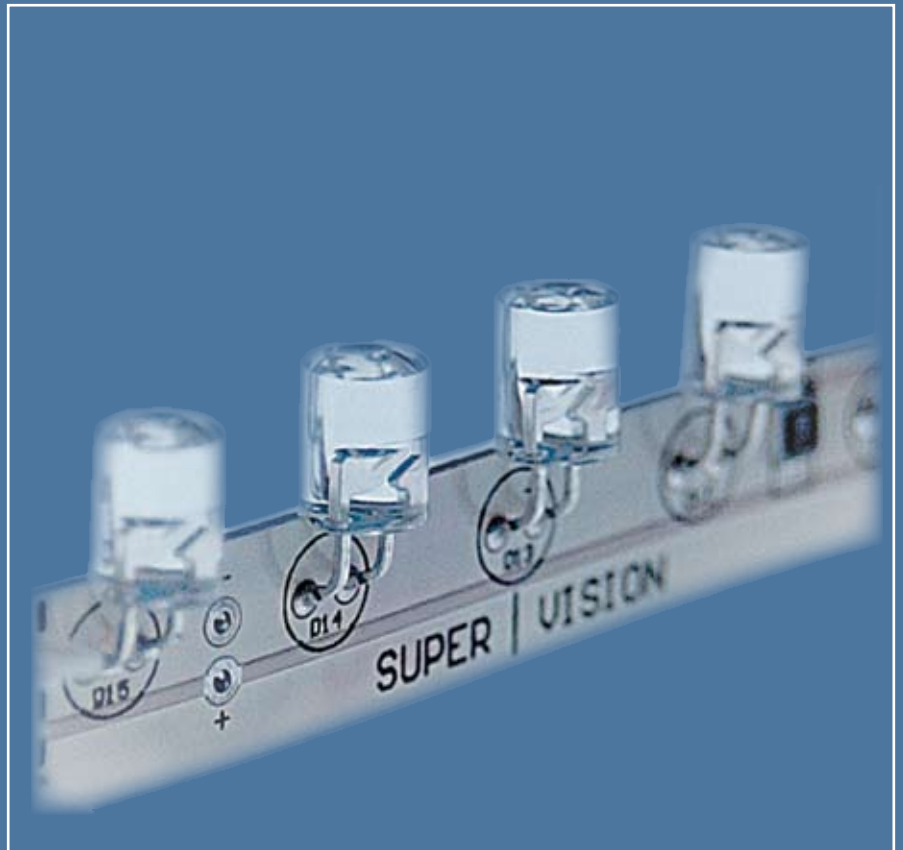
FLEXLED™ White

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



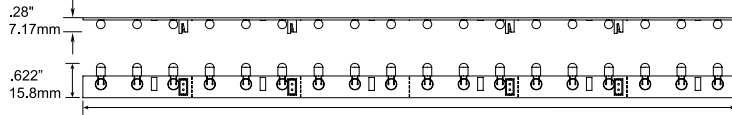
TECHNICAL SPECIFICATIONS

B₅

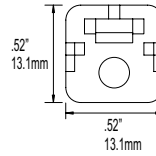
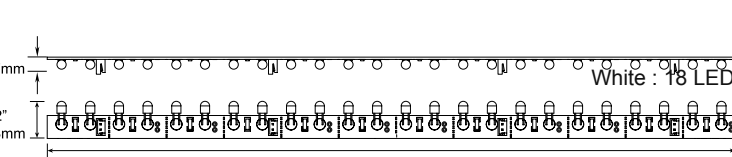
FLEXLED White™



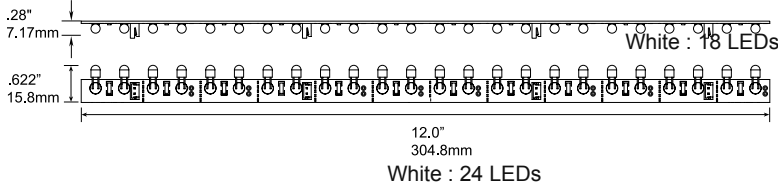
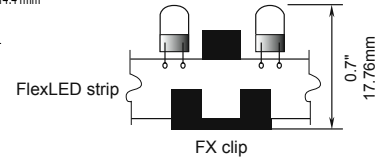
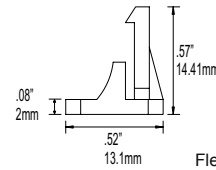
FXCLIP2 - TOP VIEW



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 of 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 12" - 24 LEDs
- 10.0309-6: Warm white 12" - 24 LEDs
- 10.0310-AO: Cool White 12" - 18 LEDs
- 10.0310-6: Warm White 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"

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LED LIGHTING

FLEXLED™ Color

FlexLed™ (color)

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



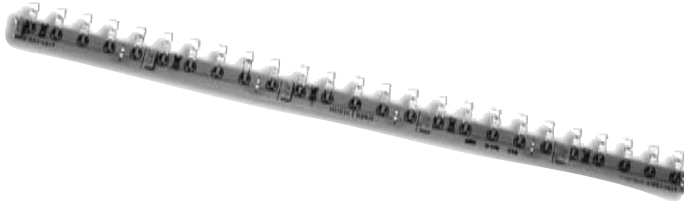
FLEXLED Color



TECHNICAL SPECIFICATIONS

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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)

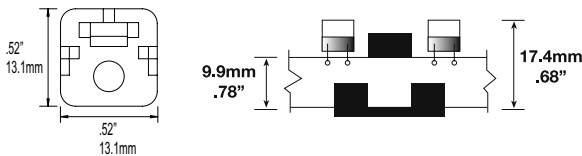
PCB thickness: 0.037" (0.94mm)

Cable: FXPC

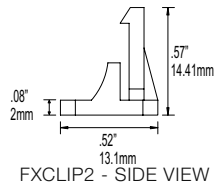
Cable wiring gauge: #22Awg standard

Optical data: 100° beam spread

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



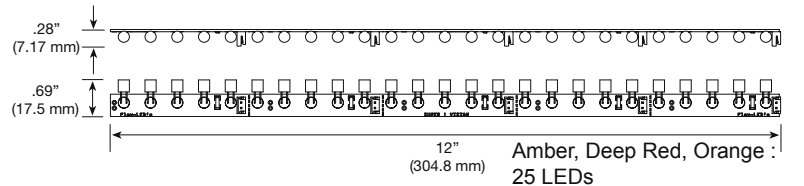
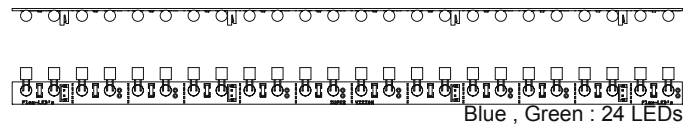
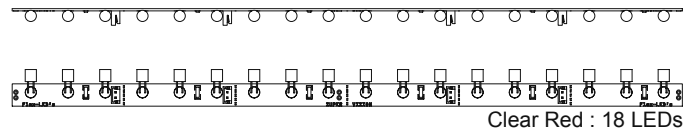
FXCLIP2 - TOP VIEW



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"