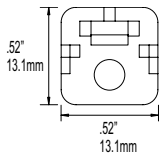


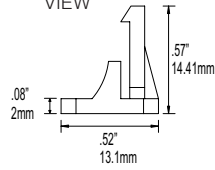
# TECHNICAL SPECIFICATIONS SUPERVISION

VER. 1.0

## FLEXLED™ White



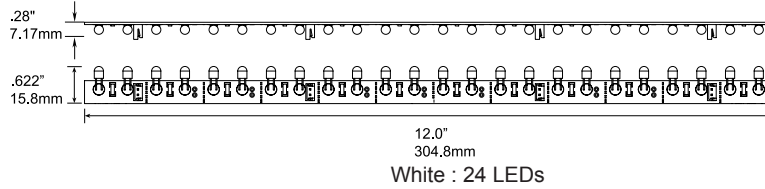
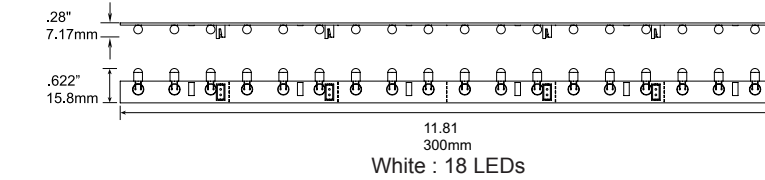
FXCLIP2 - TOP VIEW



FXCLIP2 - SIDE VIEW



FXCLIP2 - MOUNTING CLIP



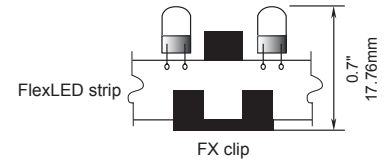
PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

VOLTAGE: \_\_\_\_\_

NOTES: \_\_\_\_\_

## FLEXLED™ THE ORIGINAL



### DESCRIPTION

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

### 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

FXCLIP: mounting clip (30 per bag)

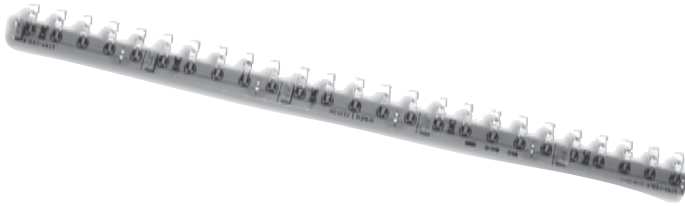
#### JUMPER CABLES

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

# TECHNICAL SPECIFICATIONS SUPERVISION

VER. 1.0

## FLEXLED™ Color



PROJECT: \_\_\_\_\_

TYPE: \_\_\_\_\_

VOLTAGE: \_\_\_\_\_

NOTES: \_\_\_\_\_

\_\_\_\_\_

### DESCRIPTION

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

### 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)

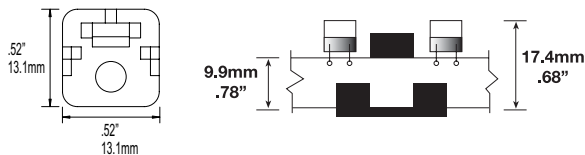
PCB thickness: 0.037" (0.94mm)

Cable: FXPC

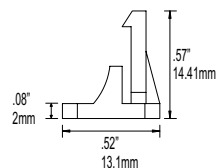
Cable wiring gauge: #22Awg standard

Optical data: 100° beam spread

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



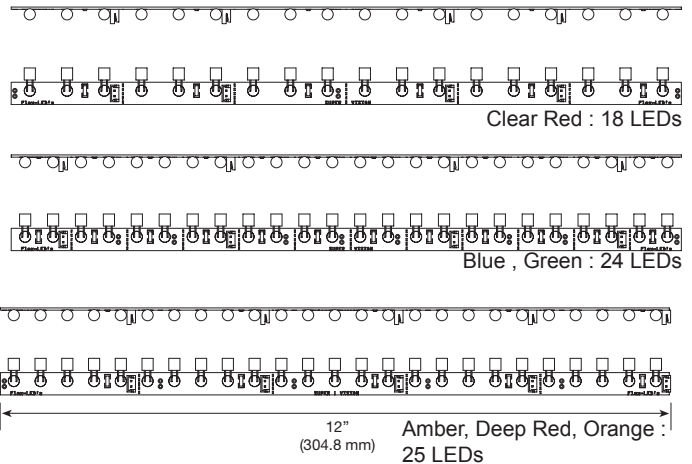
FXCLIP2 - TOP VIEW



FXCLIP2 - SIDE VIEW



FXCLIP2 - MOUNTING CLIP



### ORDERING INFORMATION

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

FLEXLED strip	MOUNTING CLIP	JUMPER CABLES
10.0300 red 12"	FXCLIP	FXPC1 - 1"
10.0301 clear red 12"	mounting clip	FXPC4 - 4"
10.0302 amber 12"	30 per bag	FXPC8 - 8"
10.0303 blue 12"		FXPC12 - 12"
10.0304 green 12"		FXPC48 - 48"
10.0306 orange 12"		FXPC120 - 120"