B-Flex

ARCHITECTURAL
LIGHTING

Ahead of the Curve

B-Flex Architectural Lighting
www.banvil2000.com

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B-Flex architectural strip lights

- Bends and twists to follow any architectural line.
- Made with premium Epistar LED chips.
- Operates at low temperatures
- LED Flexible Tape Lighting is built to last
- Designed for interior and exterior use

2.25W/FT B-FLEX LED
FLEXIBLE TAPE LIGHTING

Model	6010-BFL2835-2.25W24V-XX
Voltage:	24VDC
Length:	20Ft (6M) Reel, 32.8Ft (10M), 82Ft (25M) & 100Ft (30M) or Custom Cuts
Color Temp	2700K, 3500K, 4000K, 6000K (+- 5%), Red, Green or Blue
CRI	>90
Wattage	2.5 Watts/Ft / 7.2 Watts/M
Lumens	2700k - 122lm/Ft - 400lm/M 3500K - 130lm/Ft /425lm/M 4000K - 147lm/Ft / 480lm/M 6000K - 175lm/Ft / 570lm/M
Beam Angle	120°
Dimming	0-10vDC Dimming / Triac / Low Voltage PWM Dimming
Construction	White PCB with Tesa® Tape Backing
LED	Epistar 2835
LED per	9 LEDs/ft / 30 LEDs/M
Warranty	5 Years

1.5W/FT B-FLEX LED
FLEXIBLE TAPE LIGHTING

Model	6000-BFL2835-1.5W24V-XX
Voltage:	24VDC
Length:	20Ft (6M) Reel, 32.8Ft (10M), 82Ft (25M) & 100Ft (30M) or Custom Cuts
Color Temp	2700K, 3500K, 4000K, 6000K (+- 5%), Red, Green or Blue
CRI	>90
Wattage	1.5 Watts/Ft / 4.8 Watts/M
Lumens	2700k - 134lm/Ft - 440lm/M 3500K - 145lm/Ft /475lm/M 4000K - 170lm/Ft / 550lm/M 6000K - 178lm/Ft / 580lm/M
Beam Angle	120°
Dimming	0-10vDC Dimming / Triac / Low Voltage PWM Dimming
Construction	White PCB with Tesa® Tape Backing
LED	Epistar 2835
LED per	18 LEDs/ft / 60 LEDs/M
Warranty	5 Years

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3W/FT B-FLEX LED
FLEXIBLE TAPE LIGHTING

Model	6020-BFL2835-1.5W24V-XX
Voltage:	24VDC
Length:	20Ft (6M) Reel, 32.8Ft (10M), 82Ft (25M) & 100Ft (30M) or Custom Cuts
Color Temp	2700K, 3500K, 4000K, 6000K (+- 5%), Red, Green or Blue
CRI	>90
Wattage	3 Watts/Ft / 9.6 Watts/M
Lumens	2700k - 260lm/Ft / 850lm/M 3500K - 280lm/Ft / 920lm/M 4000K - 323lm/Ft / 1060lm/M 6000K - 335lm/Ft / 1100lm/M
Beam Angle	120°
Dimming	0-10vDC Dimming / Triac / Low Voltage PWM Dimming
Construction	White PCB, Copper St with Tesa® Tape Backing
LED	Epistar 2835
IP Rating	IP43 or IP67
LED per	36 LEDs/ft / 120 LEDs/M
Warranty	5 Years

2.25W/FT RGB B-FLEX LED
FLEXIBLE TAPE LIGHTING

Model	6010-BFL2835-2.25W24V-RGB
Voltage:	24VDC
Length:	20Ft (6M) Reel, 32.8Ft (10M), 82Ft (25M) & 100Ft (30M) or Custom Cuts
Color Temp	100% mix of RGB
CRI	>90
Wattage	2.25 Watts/Ft / 7.2 Watts/M
Lumens	Red - 21 lm/Ft - 70 lm/M Green - 67 lm/Ft - 220 lm/M Blue - 12 lm/Ft - 40lm/M (Blue)
Beam Angle	120°
Dimming	Low Voltage PWM Dimming or DMX
Construction	White PCB with Tesa® Tape Backing
LED	Epistar 5060
IP Rating	IP43 or IP67
LED per	9 LEDs/ft - 30 LEDs/M
Warranty	5 Years

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4.5W/FT RGB B-FLEX LED
FLEXIBLE TAPE LIGHTING

Model	6030-BFL-4.5W24V-RGB
Voltage:	24VDC
Length:	20Ft (6M) Reel, 32.8Ft (10M), 82Ft (25M) & 100Ft (30M) or Custom Cuts
Color Temp	100% mix of RGB
CRI	>90
Wattage	4.5 Watts/Ft - 14.4 Watts/M
Lumens	Red - 43 lm/Ft - 140 lm/M Green - 134 lm/Ft - 440 lm/M (Green) Blue - 24 lm/Ft - 80 lm/M
Beam Angle	120°
Dimming	Low Voltage PWM Dimming or DMX
Construction	White PCB with Tesa® Tape Backing
LED	Epistar 5060
IP Rating	IP43 or IP67
LED per	18 LEDs/ft - 60 LEDs/M
Warranty	5 Years

4.5W/FT B-FLEX LED
FLEXIBLE TAPE LIGHTING

Model	6030-BFL2835-4.5W24V-XX
Voltage:	24VDC
Length:	20Ft (6M) Reel, 32.8Ft (10M), 82Ft (25M) & 100Ft (30M) or Custom Cuts
Color Temp	2700K, 3500K, 4000K, 6000K (+- 5%), Red, Green or Blue
CRI	>90
Wattage	4.5 Watts/Ft / 14.4 Watts/M
Lumens	2700k - 244lm/Ft - 800lm/M 3500K - 302lm/Ft / 990lm/M 4000K - 338lm/Ft / 1110lm/M 6000K - 365lm/Ft / 1200lm/M
Beam Angle	120°
Dimming	Low Voltage PWM Dimming or DMX
Construction	White PCB with Tesa® Tape Backing
LED	Epistar 5060
IP Rating	IP43 or IP67
LED per	18 LEDs/ft - 60 LEDs/M
Warranty	5 Years

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120V
FLEXIBLE TAPE LIGHTING

| Model	PLG-4W120V
Voltage:	120V
Length:	164' Roll
Color Temp	2700K, 3000K, 4000K & 6000K
Wattage	4.5 Watts/Ft - 14.4 Watts/M
Lumens	115LM/W
LED	Epistar
IP Rating	IP65
Size	Width: .61" Thickness .22"
Warranty	3 Years

- Constant Current Design
- Plug & Play no external driver
- Over-Voltage Protection
- 164Ft Per Roll
- Minimum Cut Line of 4 inches
- IP65 Rated

120V ACCESSORIES

End Cap
Item #6500-EC-120V
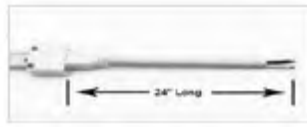
End Cap with
2Ft (24") Power Cord Item
#6500-PC-HW-120V

End Cap with
2Ft (24") Power Plug Item
#6500-PC-PL-120V

CONNECTORS

Jumper 2Ft (24")
Item #6500-SPLConn-2ft-120V

MOUNTING ACCESSORIES
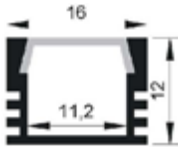

Mounting Clips
Item #6500-MC-120V

PVC Channel 1M
Item #6500-CHNL-PVC

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Model: 6100-AP-LOW-1707
Aluminium Low Profile
Dimensions - 17.5mm x 7mm
Max Length 78"
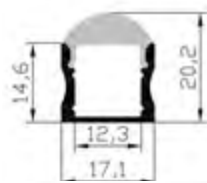Includes Clear or Diffused Lens

Model: 6100-AP-SQUARE-1612
Slim Aluminium Recessed LED Profile
Dimensions - 16mm x 12mm
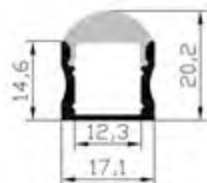Max Length 78"
Includes Clear or Diffused Lens
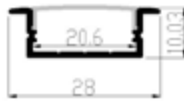
Model: 6100-AP-DOUBLE-2810
Slim Aluminium Recessed LED Profile
Dimensions - 20.8 mm x 10mm
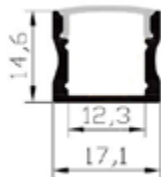Max Length 78"
Includes Clear or Diffused Lens
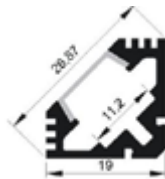
Model: 6100-AP-ANGLE-1919
90 Degree Aluminium LED Profile
Dimensions - 26.4mm x 19mm
Max Length 78"
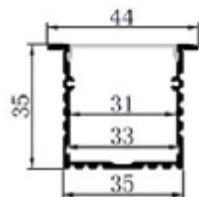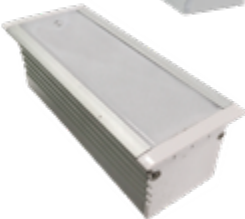Includes Clear or Diffused Lens

Model: 6100-AP-DOME-1715-30dg
Aluminum Dome profile for narrow beam angle
30 Degree
Dimensions - 17.1mm x 13.4mm
Max Length 78"
Includes Clear or Diffused Lens

Model: 6100-AP-DOME-1715-60dg
Aluminium Dome for 60 Degree Profile
60 Degree
Dimensions - 17.1mm x 13.4mm
Max Length 78"
Includes Clear or Diffused Lens

Model: 6100-AP-TAPERED-1715
Aluminium Tapered Profile
Dimensions - 17.5mm x 15mm
Max Length 78"
Includes Clear or Diffused Lens

Model: 6100-AP-RC-3535D
Aluminum Double Wide & Deep – Recessed
Dimensions - 35mm x 33mm
Max Length 78"
Includes Clear or Diffused Lens

Related Products
RGB Connectors

Solder Tip to SNAP
Connector
Item #8240-SNP-
LVT-4C-10mm 4 Pin
10mm RGB

Available in IP43 or IP67

FC to SNAP Connector Item
#8240-SNP-FC-M-
4C-10mm
Male End
4 Pin   10mm
RGB
Available in IP43 or IP67

FC to SNAP Connector
Item #8240-SNP-FC-F-
4C-10mm
Female
4 Pin   10mm
RGB
Available in IP43 or IP67

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2 Wire 8mm Male Snap Connector

Product Number	8220-SNP-FC-M-2C-8mm-XX
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 2 Pins	Strip Light Width 8mm
Male Connector	Single Color IP43 or IP67

2 Wire 8mm Female Snap Connector

Product Number	8220-SNP-FC-F-2C-8mm-XX
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 2 Pins	Strip Light Width 8mm
Female Connector	Single Color IP43 or IP67

2 Wire 8mm Bare End Snap Connector

Product Number	8220-SNP-LVT-2C-8mm-1ft
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 2 Pins	Strip Light Width 8mm
Bare End Connector	Single Color IP43 or IP67

2 Wire 10mm Male Snap Connector

Product Number	8230-SNP-FC-M-2C-10mm
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 2 Pins	Strip Light Width 10mm
Male Connector	Single Color IP43 or IP67

2 Wire 10mm Female Snap Connector

Product Number	8230-SNP-FC-F-2C-10mm
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 2 Pins	Strip Light Width 10mm
Female Connector	Single Color IP43 or IP67

2 Wire 10mm Bare End Snap Connector

Product Number	8220-SNP-LVT-2C-10mm-1ft
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 2 Pins	Strip Light Width 10mm
Bare End Connector	Single Color IP43 or IP67

4 Wire 10mm Male Snap Connector

Product Number	8240-SNP-FC-M-4C-10mm-XX
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 4 Pins	Strip Light Width 10mm
Male Connector	RGB Color IP43 or IP67

4 Wire 10mm Female Snap Connector

Product Number	8240-SNP-FC-F-4C-10mm-XX
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 4 Pins	Strip Light Width 10mm
Female Connector	RGB Color IP43 or IP67

4 Wire 10mm Bare End Snap Connector

Product Number	8240-SNP-LVT-4C-10mm-1ft
Voltage & Current	DC3~24V / Max.5A
Pin Quantity 4 Pins	Strip Light Width 10mm
Bare End Connector	RGB Color IP43 or IP67

Male to Raw Wire Barrel Connectors

Product Numbers	8100-FC-M-2C-4in (4") 8100-FC-M-2C-1ft (12")
Type	FC-Male Connector
Voltage Range	1-24V
Amps	6 Amps Maximum
Lengths	4" or 12"
Measurements Connector	1.75"L x .3"Dia

Female to Raw Wire Barrel Connectors

Product Number	8100-FC-F-2C-4in (4") 8100-FC-F-2C-1ft (12")
Type	FC-Female Socket
Voltage Range	1-24V
Amps	6 Amps Maximum
Lengths	4" or 12"
Measurements Connector	12.3"L x .4"Dia

Male to Female Extension Barrel Connector Cables

Product Number	8110-FC-EXT-2C-XX
Type	Extension Cables
Voltage Range	1-24V
Amps	6 Amps Maximum
Lengths	1.5Ft, 3ft, 6ft 10ft, or 16ft
Measurements Connector	M- 1.75"L x .3"Dia F -12.3"L x .4"Dia

Barrel Connector Splitter Cable

Product Number	8120-FC-2Y (2-Way) 8120-FC-6Y (6-Way)
Type	Available in 2-way or 6-way Splitters
Voltage Range	1-24V
Amps	6 Amps Maximum
Socket	Female Socket Inlet

Male to Female RGB Extension Barrel Connector Cables

Product Number	8150-FC-EXT-4C-XX
Type	RGB Extension Cables
Voltage Range	1-24V
Amps	6 Amps Maximum
Lengths	3Ft and 10Ft

6-Way RGB Barrel Connector Splitter Cables

Product Number	8120-FC6Y-24V10A-4C-1.5ft (6-Way)
Type	RGB 6-way Splitter
Voltage Range	1-24V
Amps	6 Amps Maximum

Male Solder Tip 4 Wire RGB FC Connectors

Product Number	8150-FC-M-4C
Voltage Range	1-24V
Amps	6 Amps Maximum
For RGB Flexible Strip Lighting Only	

Female Solder Tip 4 Wire RGB FC Connectors

Product Number	8150-FC-F-4C
Voltage Range	1-24V
Amps	6 Amps Maximum
For RGB Flexible Strip Lighting Only	

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20 Watt Power Supply

Product Number | 5000-PSU-20W24V
Wattage: 20W | Voltage: 12V or 24V DC
DC Power Supply With Prism FC Connector
UL Certified | Class II

60 Watt Power Supply

Product Number | 5000-PSU-60W24V
Wattage: 60W | Voltage: 12V or 24V DC
DC Power Supply With Prism FC Connector
UL Certified | Class II

90 Watt Power Supply

Product Number | 5000-PSU-90W24V
Wattage: 90W | Voltage: 12V or 24V DC
DC Power Supply With Prism FC Connector
UL Certified | Class II

Non-Dimming Power Supply

Product Number | 5160-PSU-80W24V | 5160-PSU-100W24V
Constant Voltage | 90-277Vac | Class II
Wattage: 80W or 100W | Voltage: 24Vdc
Non Dimming | IP67
5yr Warranty | UL Recognized

0-10V Dimming Power Supply

Product Number | 5150-PSU-100W24V-CV-0-10VD
Constant Voltage | LP Type | Class II
Wattage: 100W | Voltage: 24Vdc
0-10V Dimming
5yr Warranty | UL Listed

TRIAC Dimming Power Supply

Product Number | 5182-E75L24DC (75W) | 5183-E96L24DC (96W)
Constant Voltage | 120VAC | Class II
Wattage: 75W or 96W | Voltage: 24Vdc
TRIAC Dimming | Electronic Dimmable LED Driver
5yr Warranty | UL Listed

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M Series LED Dimming Controller

Product Number	8000-CTRL-D
PLG-M1 Dimming Remote	
Working Voltage	3Vdc
Working Frequency	433.92MHz
Remote Distance	100ft (30M)

M Series LED Color Temperature Controller

Product Number	8000-CTRL-CT
PLG-M2 Color Temperature Adjust Remote	
Working Voltage	3Vdc
Working Frequency	433.92MHz
Remote Distance	100ft (30M)

M Series LED RGB Controller

Product Number	8000-CTRL-RGB
PLG- M3 RGB Remote	
Working Voltage	3Vdc
Working Frequency	433.92MHz
Remote Distance	100ft (30M)

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