

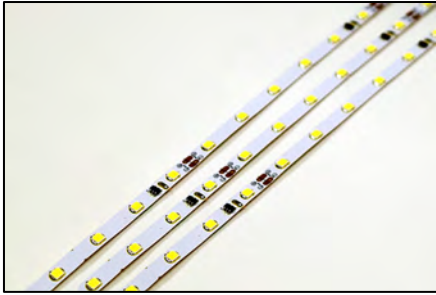
Product Selector Guide - Edge Lighting

	TresMate™-5mm 60 LEDs per M	TresMate™- 5mm 78 LEDs per M	LBT 5mm Flex 60 LEDs per M	TresMate™ 4mm 12V	TresMate™ 4mm 24V	TresMate™ - 12v Low Output 5mm 60 LEDs per M	TresMate™ - 12v High Output 5mm 60 LEDs per M	TresMate™ - 5mm Non-flex Solo
Applications-								
Edge-lit	☐	☐	☐	☐	☐	☐	☐	☐
Specifications-								
Voltage	24V	24V	24V	12V	24V	12V	12V	12V
Connector	TresMate System	TresMate System	JST	Solder	Solder	TresMate System	TresMate System	TresMate System
Circuit Length	3.94"	3.94"	3.88" or 4"	2"	1.3"	2"	2"	.67"
Advantages-								
Ultra Bright	☐	☐	☐	☐	☐	☐	☐	☐
Easy to Vary Intensity	☐	☐	☐	☐	☐	☐	☐	☐
Solderless Connection	☐	☐	☐	☐	☐	☐	☐	☐
Shallow box	☐	☐	☐	☐	☐	☐	☐	☐
In stock inventory item	☐	☐	☐	☐	☐	☐	☐	☐
Ultra thin - use 3/16" acrylic	☐	☐	☐	☐	☐	☐	☐	☐
Short circuit length	☐	☐	☐	☐	☐	☐	☐	☐
Custom built to spec	☐	☐	☐	☐	☐	☐	☐	☐
Disadvantages-								
Lead time for custom	☐	☐	☐	☐	☐	☐	☐	☐
Labor instense to build light p	☐	☐	☐	☐	☐	☐	☐	☐
Heat sink needed	☐	☐	☐	☐	☐	☐	☐	☐
Longer Circuit length	☐	☐	☐	☐	☐	☐	☐	☐





TresMate™ LED 5mm Strips (60 LEDs per M)



Brightness	Ease of use	Cost
★★★★☆	★★★★☆	★★★★☆
Availability	Color Temp	Voltage
Stock	6000K	24V DC
Power	Width	Circuit
8W per Ft.	.20" Wide	3.94" Length



What it is used for

Edge-lighting display fixtures via light guide panels



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. LED strips need to be mounted to metal to act as a heat sink.



Specifications per application

Max length of LED strip	Maximum: 120"	Do not exceed from single connection point
Standard reel	32.8'	Can be cut in 3.94" sections
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	750 lumens/ft. 6000K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

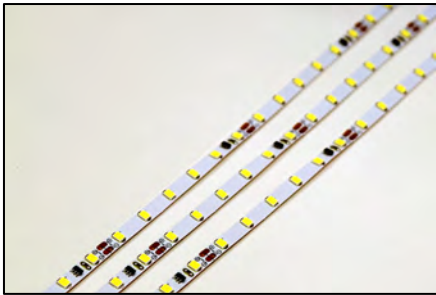
- Uniform illumination
- Secure, solder-less connections
- Custom sizes and configurations available
- Ultra thin light boxes (as thin as about .5")
- 2-year limited warranty

Cons

- Needs a heat sink
- More complex installation process
- Heavier display fixtures = higher shipping costs



TresMate™ LED 5mm Strips (78 LEDs per M)



Brightness ★★★★★	Ease of use ★★★★☆	Cost ★★★★★
Availability Stock	Color Temp 6000K	Voltage 24V DC
Power 10W per Ft.	Width .20" Wide	Circuit 2.95" Length



What it is used for

Large Edge-lighting display fixtures via light guide panels where additional intensity is required



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. LED strips need to be mounted to metal to act as a heat sink.



Specifications per application

Max length of LED strip	Maximum: 96"	Do not exceed from single connection point
Standard reel	32.4'	Can be cut in 2.95" sections
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	880 lumens/ft. 6000K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

- Uniform illumination
- Secure, solder-less connections
- Custom sizes and configurations available
- Ultra thin light boxes (as thin as about .5")
- 2-year limited warranty

Cons

- Needs a heat sink
- More complex installation process
- Heavier display fixtures = higher shipping costs



LBT LED 5mm Strips



Brightness ★★★★☆	Ease of use ★★★★☆	Cost ★★★★★
Availability Custom	Color Temp 6500K	Voltage 24V DC
Power 6W per Ft.	Width .20" Wide	Circuit 4" Length



What it is used for

Edge-lighting display fixtures via light guide panels



How to use it

The LBT LED strips are custom built to customer specifications. They are also available with custom wiring configuration and connectors. LED strips need to be mounted to metal to act as a heat sink.



Specifications per application

Maximum length of LED strip	Maximum: 96"	Do not exceed from single connection point.
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	JST Standard	JST connector with 72" male barrel (2.1 x 5.5) connector is standard. Custom wiring & connectors available (e.g., Molex)
Light intensity & color temperature	750 lumens/ft. 6500K	Custom light intensity & color temperatures are available



Pros & Cons

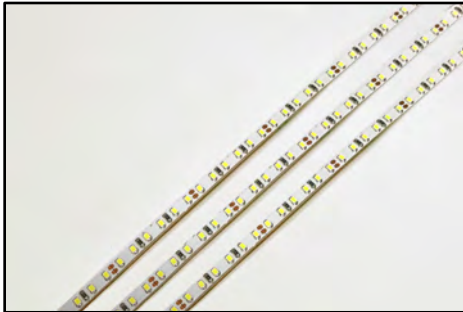
Pros

- Uniform illumination
- Custom sizes and configurations available
- Ultra thin light boxes (as thin as about .5")
- 2-year limited warranty

Cons

- Needs a heat sink
- More complex installation process
- Heavier display fixtures = higher shipping costs
- Custom orders

 **TresMate™ LED 4mm Strips (180 LEDs per M)**



Brightness ★★★★☆	Ease of use ★★★☆☆	Cost ★★★★★
Availability Stock	Color Temp 6500K	Voltage 24V DC
Power 7W per Ft.	Width .20" Wide	Circuit 1.3" Length

 **What it is used for**

Large Edge-lighting display fixtures via light guide panels where additional intensity is required

 **How to use it**

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. LED strips need to be mounted to metal to act as a heat sink.

 **Specifications per application**

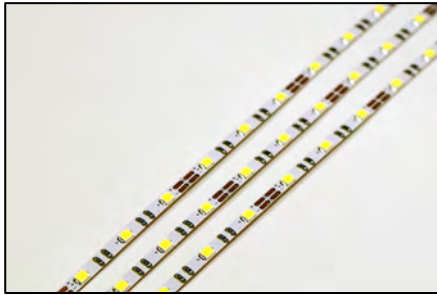
Max length of LED strip	Maximum: 48"	Do not exceed from single connection point
Standard reel	79"	Can be cut in 1.3" sections
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	solder-on	Wire pigtails or barrel connector
Light intensity & color temperature	600 lumens/ft. 6500K	Custom light intensity & color temperatures are available

 **Pros & Cons**

Pros	Cons
<ul style="list-style-type: none"> • Uniform illumination • Can be used with 3/16" LGP • Narrow reveal to cover coning • Ultra thin light boxes (as thin as about .5") • 2-year limited warranty 	<ul style="list-style-type: none"> • Needs a heat sink • More complex installation process • Small panels (under 24")



TresMate™ LED 4mm Strips



Brightness	Ease of use	Cost
★★★★☆	★★★★☆	★★★★☆
Availability	Color Temp	Voltage
Stock	6500K	12V DC
Power	Width	Circuit
3.2W per Ft.	.16" Wide	2" Length



What it is used for

Edge-lighting display fixtures via light guide panels



How to use it

LED strips can be packaged on reels or provided in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. LED strips need to be mounted to metal to act as a heat sink. These strips can be used with 3/16" thick acrylic.



Specifications per application

Max length of LED strip	Maximum: 72"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in 2" sections
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	275 lumens/ft. 6500K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

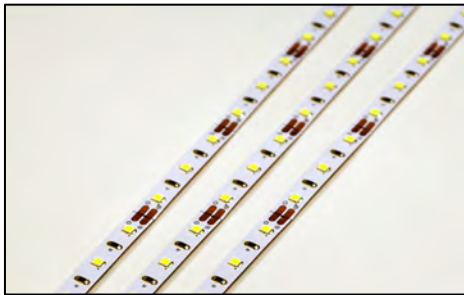
- Uniform illumination
- Secure, solder-less connections
- Custom sizes and configurations available
- Ultra thin light boxes (as thin as about .5")
- Use thinner sheets of acrylic to lower weight for lower shipping costs (3/16")
- 2-year limited warranty

Cons

- Needs a heat sink
- More complex installation process



TresMate™ LED 5mm 12V Strips – Low Output (60 LEDs/M)



Brightness ★★★★☆	Ease of use ★★★★☆	Cost ★☆☆☆☆
Availability Stock	Color Temp 6500K	Voltage 12V DC
Power 3W per Ft.	Width .20" Wide	Circuit 2" (3 LEDs)



What it is used for

Edge-lighting small display fixtures via light guide panels



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in 2" sections. Constant voltage.
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	295 lumens/ft. 6500K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

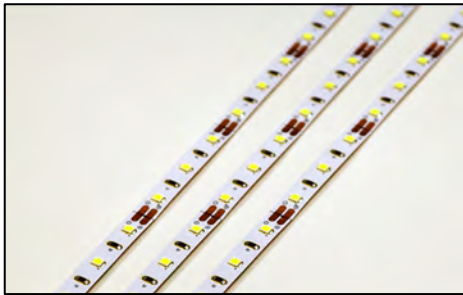
- Uniform illumination
- Secure, solder-less connections
- Easy installation
- Custom sizes and configurations available
- 2-year limited warranty
- Cut in 2" lengths

Cons

- Needs a heat sink
- Less bright



TresMate™ LED 5mm 12V Strips – High Output (60 LEDs/M)



Brightness ★★★★☆	Ease of use ★★★★☆	Cost ★★★☆☆
Availability Stock	Color Temp 6500K	Voltage 12V DC
Power 6W per Ft.	Width .20" Wide	Circuit 2" (3 LEDs)



What it is used for

Edge-lighting display fixtures via light guide panels



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in 2" sections. Constant voltage.
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	600 lumens/ft. 6500K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

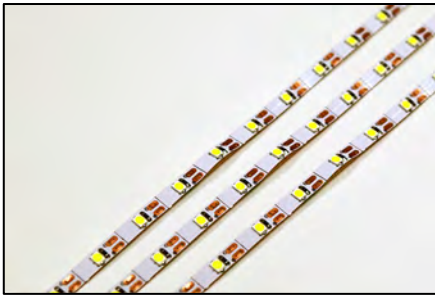
- Uniform illumination
- Secure, solder-less connections
- Easy installation
- Custom sizes and configurations available
- 2-year limited warranty
- Cut in 2" lengths

Cons

- Needs a heat sink



TresMate™ LEDs – Non-flex Solos



Brightness	Ease of use	Cost
★☆☆☆☆	★★★★☆	★☆☆☆☆
Availability	Color Temp	Voltage
Stock	6500K	12V DC
Power	Width	Circuit
2.75W per Ft.	.20" Wide	.67" Length



What it is used for

Specialty Lighting (e.g., acrylic letters, under-counter lighting)



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink if using more than 1 row of lights in any application.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in .67" sections
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	250 lumens/ft. 6500K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

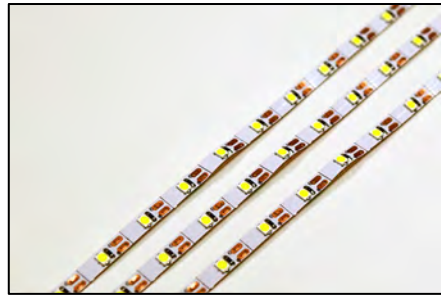
- Uniform illumination
- Secure, solder-less connections
- Easy installation
- Custom sizes and configurations available
- 2-year limited warranty
- Cut in .67" lengths

Cons

- Needs a heat sink if using more than 1 row of lights
- Less bright



TresMate™ LEDs – Non-flex Solos



Brightness ★★★★	Ease of use ★★★★☆	Cost ★☆☆☆☆
Availability Stock	Color Temp 6500K	Voltage 12V DC
Power 2.75W per Ft.	Width .20" Wide	Circuit .67" Length



What it is used for

Specialty Lighting (e.g., acrylic letters, under-counter lighting)



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink if using more than 1 row of lights in any application.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in .67" sections
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	250 lumens/ft. 6500K	Custom light intensity & color temperatures are available

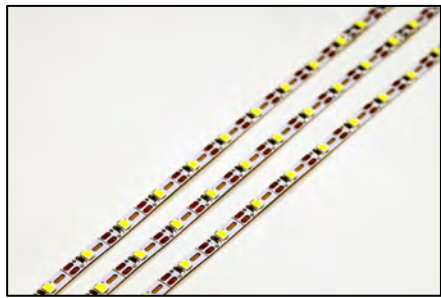


Pros & Cons

Pros	Cons
<ul style="list-style-type: none"> • Uniform illumination • Secure, solder-less connections • Easy installation • Custom sizes and configurations available • 2-year limited warranty • Cut in .67" lengths 	<ul style="list-style-type: none"> • Needs a heat sink if using more than 1 row of lights • Less bright



TresMate™ LEDs – Flex Solos



Brightness ★☆☆☆☆	Ease of use ★★★★☆	Cost ★☆☆☆☆
Availability Stock	Color Temp 6500K	Voltage 12V DC
Power 2.75W per Ft.	Width .20" Wide	Circuit .67" Length



What it is used for

Specialty Lighting (e.g., acrylic letters, under-counter lighting)



How to use it

LED strips can be provided on reels or pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink if using more than 1 row of lights in any application.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in .67" sections
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	250 lumens/ft. 6500K	Custom light intensity & color temperatures are available

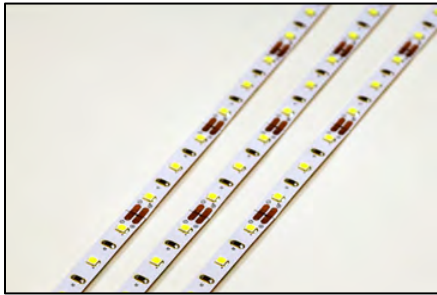


Pros & Cons

- | | |
|---|--|
| <p>Pros</p> <ul style="list-style-type: none"> • Uniform illumination • Secure, solder-less connections • Easy installation • Flex design allows strips to bend up to 90° • Custom sizes and configurations available • 2-year limited warranty • Cut in .67" lengths | <p>Cons</p> <ul style="list-style-type: none"> • Needs a heat sink if using more than 1 row of lights • Less bright |
|---|--|



TresMate™ LED 8mm Strips (60 LEDs/M)



Brightness ★★★★☆	Ease of use ★★★★☆	Cost ★★★★☆
Availability Stock	Color Temp 3500K	Voltage 12V DC
Power 4W per Ft.	Width .31" Wide	Circuit 2" Length



What it is used for

Specialty Lighting (e.g., under-counter lighting)



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in 2" sections. Constant voltage.
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	400 lumens/ft. 3500K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

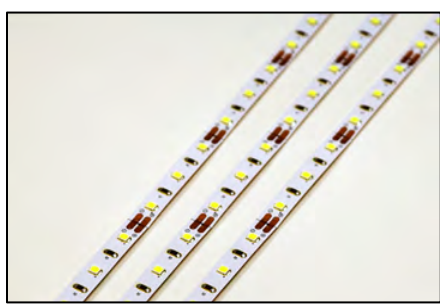
- Uniform illumination
- Moderate brightness
- Secure, solder-less connections
- Easy installation
- Custom sizes and configurations available
- 2-year limited warranty

Cons

- Needs a heat sink
- Too wide for most edge lighting applications



TresMate™ LED 8mm Strips (60 LEDs/M)



Brightness ★★★★☆	Ease of use ★★★★☆	Cost ★★★★☆
Availability Stock	Color Temp 6500K	Voltage 12V DC
Power 4W per Ft.	Width .31" Wide	Circuit 2" Length



What it is used for

Specialty Lighting (e.g., under-counter lighting)



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in 2" sections. Constant voltage.
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	400 lumens/ft. 6500K	Custom light intensity & color temperatures are available

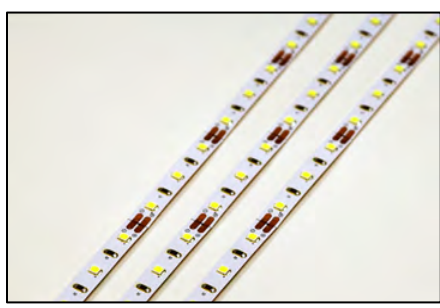


Pros & Cons

Pros	Cons
<ul style="list-style-type: none"> • Uniform illumination • Moderate brightness • Secure, solder-less connections • Easy installation • Custom sizes and configurations available • 2-year limited warranty 	<ul style="list-style-type: none"> • Needs a heat sink • Too wide for most edge lighting applications



TresMate™ LED 8mm Strips (60 LEDs /M)



Brightness ★★★★☆	Ease of use ★★★★☆	Cost ★★★★☆
Availability Stock	Color Temp 7500K	Voltage 12V DC
Power 4W per Ft.	Width .31" Wide	Circuit 2" Length



What it is used for

Specialty Lighting (e.g., under-counter lighting)



How to use it

LED strips can be provided on reels or in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a secure solder-less application. Installation should be completed on a metal surface that can act as a heat sink.



Specifications per application

Max length of LED strip	Maximum: 60"	Do not exceed from single connection point
Standard reel	16.4'	Can be cut in 2" sections. Constant voltage.
Heat sink requirements	5 sq. inches per watt	Minimum heat sink recommended to maximize the life of LEDs
Connectors	TresMate™ crimp-on or solder-on	TresMate™ solder-less crimp-on connector with 39" wire extension or with 72" barrel connector
Light intensity & color temperature	400 lumens/ft. 7500K	Custom light intensity & color temperatures are available



Pros & Cons

Pros	Cons
<ul style="list-style-type: none"> • Uniform illumination • Moderate brightness • Secure, solder-less connections • Easy installation • Custom sizes and configurations available • 2-year limited warranty 	<ul style="list-style-type: none"> • Needs a heat sink • Too wide for most edge lighting applications



TresMate™ LED 10mm RGB Strips



Brightness ★★★★	Ease of use ★★★★★	Cost ★★★★☆
Availability Stock	Color Temp RGB	Voltage 12V DC
Power 3.6W per Ft.	Width .4" Wide	Circuit 2" Length



What it is used for

Specialty Lighting (e.g., applications where color is desired)



How to use it

LED strips can be packaged on reels or provided in pre-measured & cut strips. Crimp-on wire leads simplifies installation with a solder-less application. These LEDs are for lighting for special applications and when a certain color is needed (RGB).



Specifications per application

Under counter and highlight lighting (colors)	10mm - RGB	Controller needed for RGB applications
Maximum length run of LEDs	Maximum: 60"	Voltage drop begins to occur, so need to add additional power source to exceed maximum.
Crimp-on connectors	Solder-less application	Utilize crimping tool to fasten wire leads via secure 4-pin mechanical connection
Standard Color	RGB	Multiple colors and patterns can be produced with controller



Pros & Cons

- | | |
|---|--|
| <p>Pros</p> <ul style="list-style-type: none"> • Multi color applications • Secure, solder-less connections • Easy installation • Custom sizes and configurations available • 2-year limited warranty | <p>Cons</p> <ul style="list-style-type: none"> • Controller needed |
|---|--|



TresMate™ LED Silicone Strips (120 LEDs/M)



Brightness	Ease of use	Cost
★★★★☆	★★★★★	★★★☆☆
Availability	Color Temp	Voltage
Custom	6500K	12V DC
Power	Width	Circuit
3.6W per Ft.	.4" Wide	2" Length



What it is used for

Specialty Lighting (e.g., under-counter lighting)



How to use it

LED strips can be packaged on reels or provided in pre-measured & cut strips. Silicone protective cover allows for a variety of applications, including outdoor installation.



Specifications per application

Length of maximum run	Maximum: 84"	Exceeding maximum run may cause voltage drop
Outdoor applications	Silicone protector and barrel connector	Pre-wired with barrel & silicone cover for wet applications
Light intensity & color temperature	275 lumens/ft. 6500K	Custom light intensity & color temperatures are available



Pros & Cons

Pros

- Uniform illumination
- Silicone cover for outdoor applications
- Includes male barrel connector
- Easy installation
- Custom sizes and configurations available
- 2-year limited warranty

Cons

- Too wide for most edge lighting applications
- Custom order