



LIGHTTEX

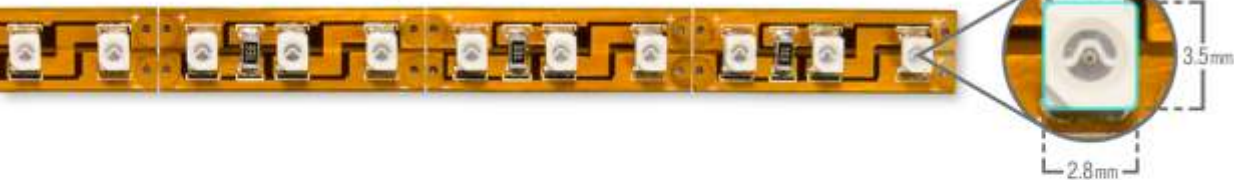
NEW GENERATION
LED STRIPS



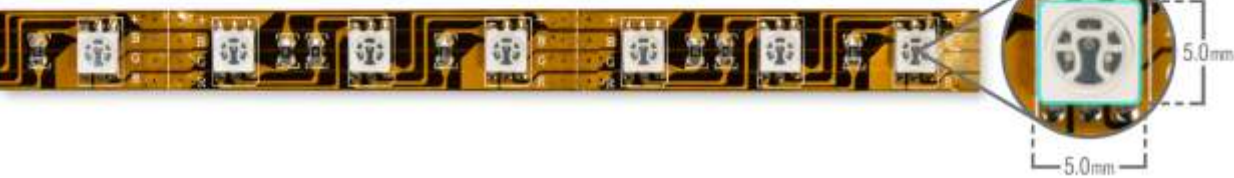
WHAT IS THE DIFFERENCE BETWEEN THE DIFFERENT CHIPS ?



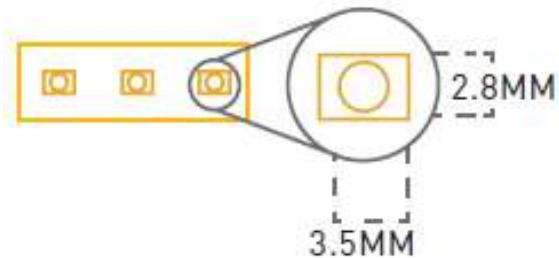
3528 SMD LED Chip



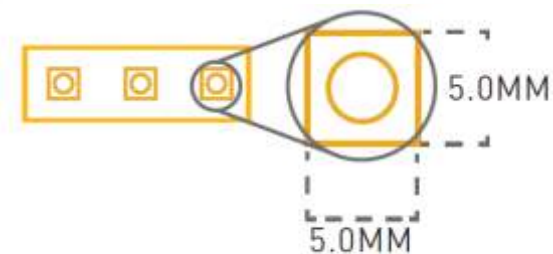
5050 SMD LED Chip



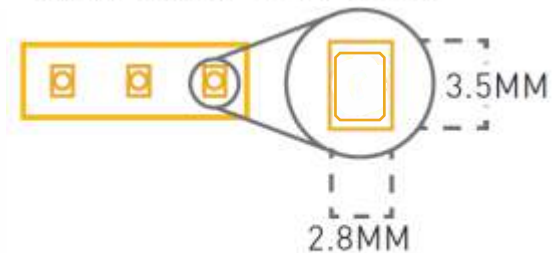
2835 SMD LED Chip



3528 SMD LED CHIP



5050 SMD LED CHIP



2835 SMD LED CHIP

LED chips come in many different types. They are marked with numbers that indicate their size. In the recent past, the most commonly used LED chips for strips were 3528. Currently their technology is outdated and very inefficient compared to newer ones 2835. The two types look alike, but 2835 are actually much more economical and can reach luminous flux, with 50% higher values, using the same or even lower power. This makes them the most preferred LED chip option for monochrome and CCT strips.

5050 chips have three LEDs in one housing, with dimensions of 5x5 mm. The light emitted by them can reach 1000lm/m, depending on the saturation of LED chips/meter.

5050 LED chips are most often used in RGB (multicolor) strips.

WHAT IS THE DIFFERENCE ?

BETWEEN LED STRIPS 12V AND 24V



The main difference between the two types is their voltage specifications. A 12V LED strip operates on a 12-volt direct current (DC) supply, while a 24V LED strip requires a 24-volt DC supply. Therefore, you need to make sure that the power source matches the rated voltage of the LED strip you choose.



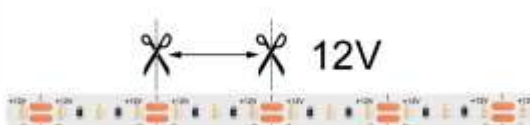
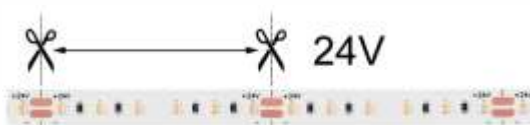
24V LED strips are brighter than 12V LED strips. Higher voltage allows lower current, resulting in reduced electrical losses. If you need bright light (main lighting), a 24V LED strip is the right choice.

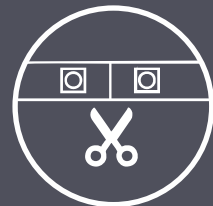
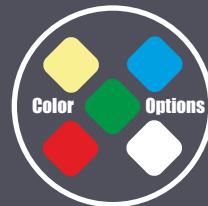
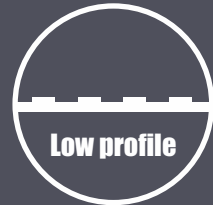
If you want to illuminate only a specific area (accent lighting), it might be better to use a 12V LED strip. Its illumination is weaker, but it will be sufficient.

Due to their higher voltage, 24V LED strips can emit the same amount of light at a lower power. This reduced current consumption results in improved energy efficiency and reduced power loss over long distances. If you plan to install the LED strip for a significant length, a 24V strip can be useful to maintain a constant brightness during the installation.

For the 12V strips, the so-called Voltage drop is more pronounced with a route over 5 meters and attenuation of brightness is observed. To avoid this process, it is recommended to use a suitable amplifier.

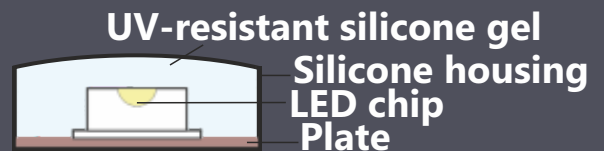
When choosing between 12V and 24V LED strip lights, cut length is a factor to consider. 12V LED strips generally have a shorter distance between the cut points than a 24V strip. This may be important for some applications, such as bathroom niches, under-cabinet lighting, or monitor backlighting, where you would prefer to cut the strip to a very precise length. If your project does not require length precision to within 1-2cm, a 24V tape will also do.



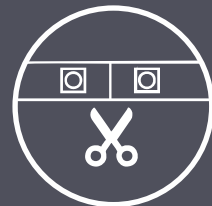
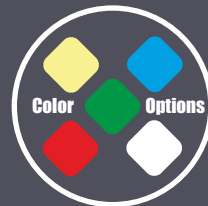


LED STRIPS IP68 12V

LED strips with the highest protection from dust and water penetration. They are suitable for use outdoor, in combination with moisture-proof Lightex LED transformer.

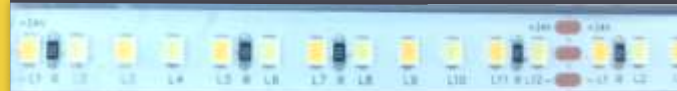
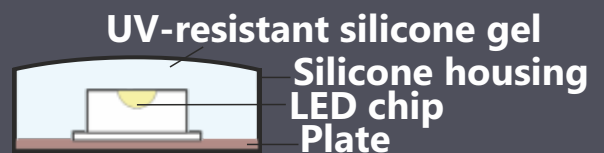


Product code	Power	Chip	Colour	Lumens	Length	Chips/m	Supply	Protection	Width
521AL0030305	4.8W	2835	Blue	2544lm	5 m	60	12V	IP68	10mm
521AL0030306	4.8W	2835	Green	2400lm	5 m	60	12V	IP68	10mm
521AL0030304	4.8W	2835	Red	2400lm	5 m	60	12V	IP68	10mm
521AL0030301	4.8W	2835	3000K	2448lm	5 m	60	12V	IP68	10mm
521AL0030302	4.8W	2835	4000K	2496lm	5 m	60	12V	IP68	10mm
521AL0030303	4.8W	2835	6000K	2544lm	5 m	60	12V	IP68	10mm
521AL0030372	7.2W	5050	RGB	360lm	5 m	30	12V	IP68	12mm

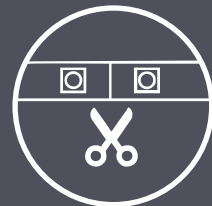
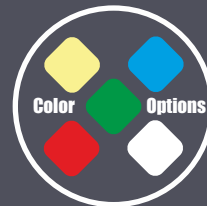
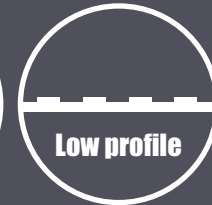
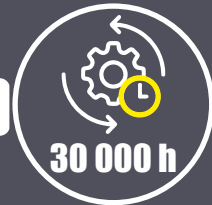


LED STRIPS IP68 24V

LED strips with the highest protection from dust and water penetration. They are suitable for use outdoor, in combination with moisture-proof Lightex LED transformer.

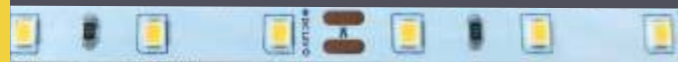


Product code	Power	Chip	Colour	Lumens	Length	Chips/m	Supply	Protection	Width
521AL0034304	9.6W	2835	3000K	4944lm	5 m	120	24V	IP68	10mm
521AL0034305	9.6W	2835	4000K	5184lm	5 m	120	24V	IP68	10mm
521AL0034306	9.6W	2835	6000K	5376lm	5 m	120	24V	IP68	10mm
521AL0034317	15W	2835	CCT	7500lm	5 m	168	24V	IP68	12mm
521AL0034319	15W	2835	CCT	7500lm	5 m	168	24V	IP68	10mm
521AL0034385	14.4W	5050	RGB	720lm	5 m	60	24V	IP68	12mm
521AL0034388	12W	5050	RGBW	1380 lm	5 m	60	24V	IP68	16mm

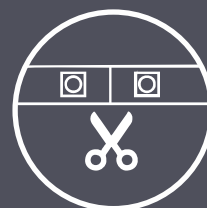
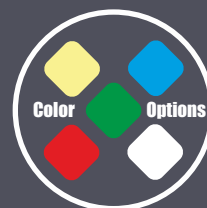
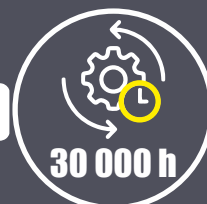


LED STRIPS IP20 12V

The interior LED strips Lightex are manufactured by high quality materials and components. They are suitable for direct application or placed in a profile.



Product code	Power	Chip	Colour	Lumens	Length	Chips/m	Supply	Protection	Width
521AL0030106	4.8W	2835	Blue	2544lm	5 m	60	12V	IP20	8mm
521AL0030107	4.8W	2835	Green	2400lm	5 m	60	12V	IP20	8mm
521AL0030105	4.8W	2835	Red	2400lm	5 m	60	12V	IP20	8mm
521AL0030100	4.8W	2835	3000K	2448lm	5 m	60	12V	IP20	8mm
521AL0030101	4.8W	2835	4000K	2496lm	5 m	60	12V	IP20	8mm
521AL0030102	4.8W	2835	6000K	2544lm	5 m	60	12V	IP20	8mm
521AL0030161	7.2W	5050	RGB	360lm	5 m	30	12V	IP20	10mm

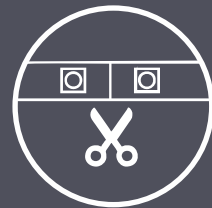
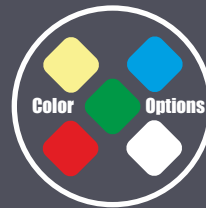
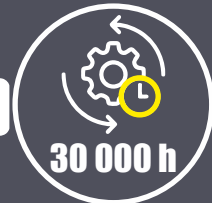


LED STRIPS IP20 24V

The interior LED strips Lighttex are manufactured by high quality materials and components. They are suitable for direct application or placed in a profile.



Product code	Power	Chip	Colour	Lumens	Length	Chips/m	Supply	Protection	Width
521AL0034111	9.6W	2835	3000K	4944lm	5 m	120	24V	IP20	8mm
521AL0034112	9.6W	2835	4000K	5184lm	5 m	120	24V	IP20	8mm
521AL0034113	9.6W	2835	6000K	5376lm	5 m	120	24V	IP20	8mm
521AL0034122	15W	2835	CCT	7500lm	5 m	168	24V	IP20	10mm
521AL0034124	15W	2835	CCT	7500lm	5 m	168	24V	IP20	8mm
521AL0034174	14.4W	5050	RGB	720lm	5 m	60	24V	IP20	10mm
521AL0034179	12W	5050	RGBW	1380lm	5 m	60	24V	IP20	12mm

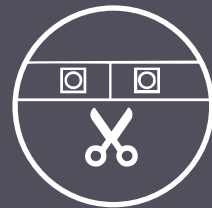
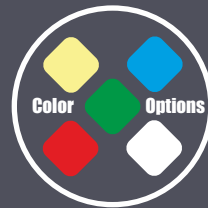
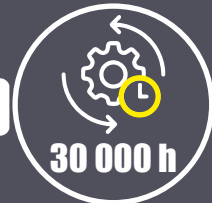


LED STRIPS COB IP20 24V

LED COB (chip on board) strips use different technology to achieve a denser and more intense light. Typical for them is saturated light line with a soft outline and diode continuity.



Product code	Power	Chip	Colour	Lumens	Length	Chips/m	Supply	Protection	Width
521AL0041222	12W	COB	4000K	6000lm	5 m	320	24V	IP20	8mm
521AL0041223	12W	COB	6000K	6000lm	5 m	320	24V	IP20	8mm
521AL0041232	12W	COB	4000K	6000lm	5 m	480	24V	IP20	8mm
521AL0041233	12W	COB	6000K	6000lm	5 m	480	24V	IP20	8mm
521AL0041228	13.6W	COB	4000K	7004lm	5 m	480	24V	IP20	10mm
521AL0041229	13.6W	COB	6000K	7004lm	5 m	480	24V	IP20	10mm

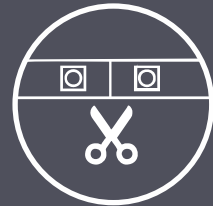
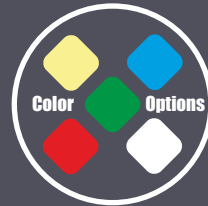
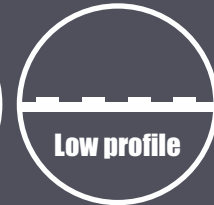
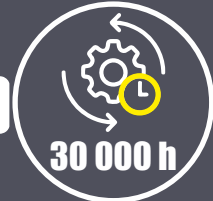


LED STRIPS 30 & 50 METERS

LED strips of this category are suitable when implementing lighting projects of greater length. They are a compact and economical choice when a LED strip with a length of 30 or more meters is needed.



Product code	Power	Chip	Colour	Lumens/m	Length	Chips/m	Supply	Power	Width
521AL0039214	4.8W	2835	3000K	490lm/m	50 m	60	12V	IP20	8mm
521AL0039315	4.8W	2835	3000K	490lm/m	30 m	60	12V	IP68	10mm
521AL0039215	4.8W	2835	4000K	500lm/m	50 m	60	12V	IP20	8mm
521AL0039316	4.8W	2835	4000K	500lm/m	30 m	60	12V	IP68	10mm
521AL0039216	4.8W	2835	6000K	509lm/m	50 m	60	12V	IP20	8mm
521AL0039317	4.8W	2835	6000K	509lm/m	30 m	60	12V	IP68	10mm
521AL0039601	14.4W	5050	RGB	144lm/m	50 m	60	24V	IP20	10mm
521AL0039645	14.4W	5050	RGB	144lm/m	30 m	60	24V	IP68	12mm



LED STRIP SETS IP20 12V

Lightex LED strip kits are the easiest and most convenient way to stock up with all the components needed for this type of circuit. They contain an LED strip, suitable transformer and RGB controller, where it is needed.



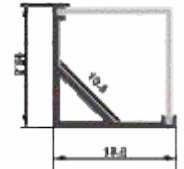
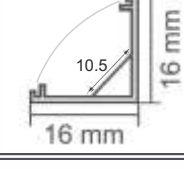
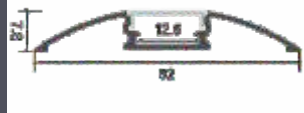

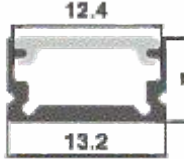
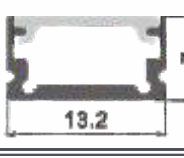
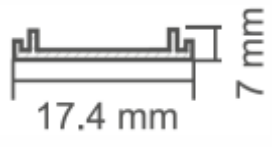
Product code	Power	Chip	Colour	Lumens	Length	Chips/m	Supply	Protection	Width
521AL0039503	4.8W	2835	4000K	1469lm	3 m	60	12V	IP20	8mm
521AL0039522	4.8W	2835	4000K	2448lm	5 m	60	12V	IP20	8mm
521AL0039504	4.8W	2835	6000K	1527lm	3 m	60	12V	IP20	8mm
521AL0039523	4.8W	2835	6000K	2544lm	5 m	60	12V	IP20	8mm
521AL0039509	14.4W	5050	RGB	432lm	3 m	60	12V	IP20	10mm
521AL0039528	14.4W	5050	RGB	720lm	5 m	60	12V	IP20	10mm

The profiles refract the light emitted by the LED strip in a more uniform way, resulting in a softer and more even light effect. They are usually built from an aluminum body and a translucent or frosted diffuser, providing additional protection and an attractive visual effect. The LED strip profiles can be connected in different shapes and lengths according to the individual needs of each project. According to the installation method there are several main types of LED strip profiles: for recessed installation, for surface installation and angular.

PROFILES FOR LED STRIPS

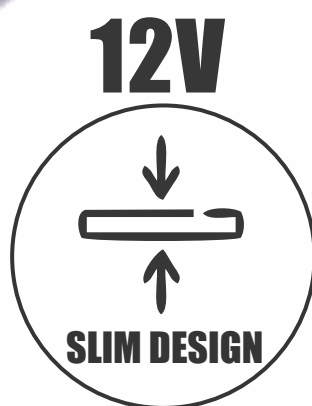
Product code	Mounting	Size mm	Length	Color	Strip width	Graphics
521AL0000374	Recessed	21.7*6.7	2M	Gray	8-10mm	
521AL0000364	Recessed	21.7*6.7	2M	D. Brown	8-10mm	
521AL0000366	Recessed	21.7*6.7	2M	Black	8-10mm	
521AL0000368	Recessed Inner corner	50*25.3	3M	Gray	8-12mm	
521AL0000370	Recessed	35.3*12.8	3M	Gray	8-12mm	
521AL0000372	Recessed Outer corner	53*24	3M	Gray	8-12mm	
521AL0000345	Recessed	24.7*7	2M	Gray	8-12mm	

PROFILES FOR LED STRIPS

Product code	Mounting	Size mm	Length	Color	Strip width	Graphics
521AL0000360	Angle	15.8x15.8	2M	Gray	8-10mm	
521AL0000362	Angle	18x18	2M	Gray	8-12mm	
521AL0000350	Angle	16x16	2M	Gray	8-10mm	
521AL0000377	Connect	52x7.8	2M	Gray	8-12mm	
521AL0000385	For stairs	80x50	2,5M	Gray	8-12mm	
521AL0000380	Surface	13.2x7	2M	Gray	8-10mm	
521AL0000326	Surface	13.2x7	2M	Gray	8-10mm	
521AL0000330	Surface	17.4x7	2M	Gray	8-12mm	

LED transformers are an indispensable part of the LED strip installation. Their role is to convert the electrical voltage and reduce it to what is needed for the specific strip (12V or 24V). When choosing an LED transformer, it is necessary to take into account the length of the LED strip and its wattage (power). To calculate the required capacity of the transformer, multiply: the length of the used strip (m) and the wattage (W/m). A reserve of 20% must be added to this value. Thus, the calculated capacity may not exactly match the models offered on the market and for this reason the one with the closest capacity, but not lower than the calculated value, should be selected.

Example: 5m strip x 9.6W/m = 48W. We also add a reserve of 20% (9.6W). 48W+9.6W = 57.6W. In this case we need to buy a 60W transformer.



LED STRIP TRANSFORMERS

Product code	Output voltage	Size mm	Power	Current	Protection	Input voltage
906BA0000010 <i>with cable</i>	12V	85x45x35	24W	2A	IP44	220-240V
906BA0001303	12V	80x50x20	25W	2A	IP20	220-240V
906BA0001307	12V	110x78x38	40W	3.2A	IP20	220-240V
906BA0000021 <i>with cable</i>	12V	123x53x32	60W	5A	IP44	220-240V
906BA0001470	12V	172x34x23	60W	5A	IP20	100-265V
906BA0001640	12V	130x44x21	60W	5A	IP67	110-250V
906BA0001474	12V	145x49x29	100W	8.33A	IP20	100-265V
906BA0001478	12V	195x49x29	150W	12.5A	IP20	180-265V
906BA0001660	12V	190x65x31	150W	12.5A	IP67	110-250V
906BA0001480	12V	258x48x29	250W	20.8A	IP20	180-265V
906BA0001680	12V	230x80x40	300W	25A	IP67	170-250V
906BA0001482	12V	245x64x29	360W	30A	IP20	180-265V



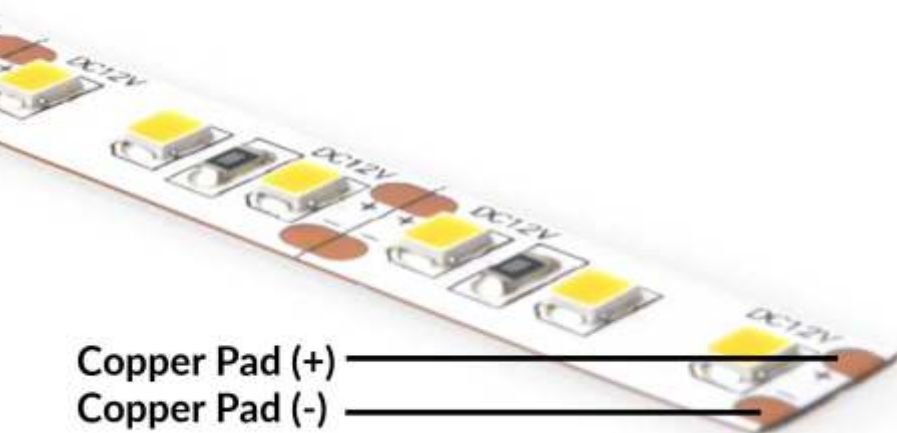
24V



Lightex LED transformers are available with different degrees of protection against dust and water (IP). It is important when planning an LED strip installation in an area with high dust or humidity to choose both a strip and a transformer with a high level of protection. If the installation will be carried out in a standard room at home, high protection is not needed and products with a low protection index can be chosen: IP20.

LED STRIP TRANSFORMERS

Product code	Output voltage	Size mm	Power	Current	Protection	Input voltage
906BA0003105	24V	135x34x23	36W	1.5A	IP20	100-265V
906BA0000062 <i>with cable</i>	24V	125x55x34	48W	2A	IP44	220-240V
906BA0003107	24V	172x34x23	60W	2.55A	IP20	100-265V
906BA0003510	24V	130x44x21	60W	2.55A	IP67	110-250V
906BA0003109	24V	145x49x29	100W	4.17A	IP20	100-265V
906BA0003515	24V	170x65x31	100W	4.17A	IP67	110-250V
906BA0000066 <i>with cable</i>	24V	166x64x36	144W	6A	IP44	220-240V
906BA0003111	24V	195x49x29	150W	6.25A	IP20	180-265V
906BA0003113	24V	195x48x28	200W	8.66A	IP20	180-265V
906BA0003520	24V	210x65x31	200W	8.3A	IP67	170-250V
906BA0003525	24V	230x80x40	300W	12.5A	IP67	170-250V



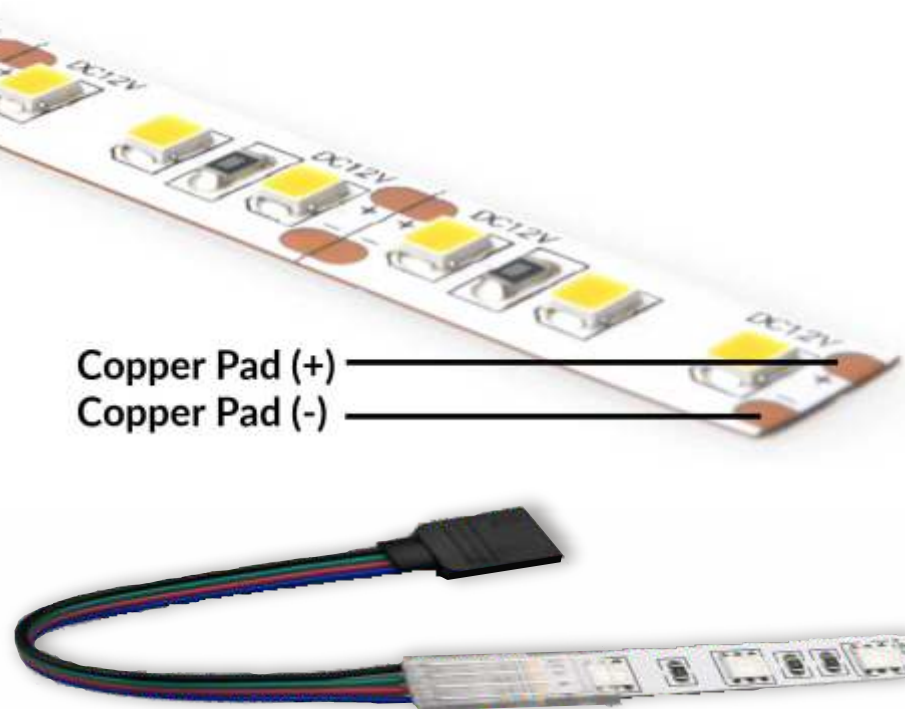
Connectors allow the connection of two or more LED strip segments, allowing the strip to be extended or reshaped. This is especially useful when you want to cover a larger area with LED lighting or create complex shapes and contours.



LED STRIP CONNECTORS IP20

Reusable. Strip to strip.

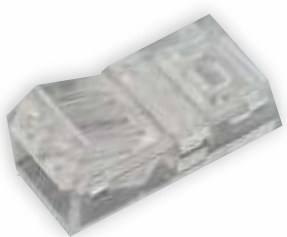
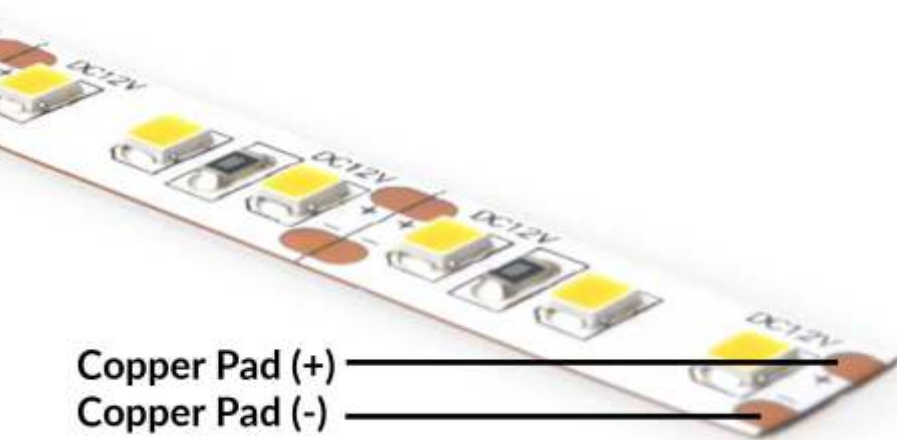
Product code	Type	Usage	Width	Connection	Protection
521AL0001340	Straight	Single color	8 mm	2 Pins	IP20
521AL0001345	Straight	CCT	8 mm	3 Pins	IP20
521AL0001350	Straight	CCT	10 mm	3 Pins	IP20
521AL0001355	Straight	RGB	10 mm	4 Pins	IP20
521AL0001360	Straight	RGBW	12 mm	5 Pins	IP20
521AL0001365	Straight	COB	8 mm	2 Pins	IP20
521AL0001370	Straight	COB	10 mm	2 Pins	IP20
521AL0001270	Flexible	Single color	8 mm	2 Pins	IP20
521AL0001275	Flexible	CCT	8 mm	3 Pins	IP20
521AL0001280	Flexible	CCT	10 mm	3 Pins	IP20
521AL0001285	Flexible	RGB	10 mm	4 Pins	IP20
521AL0001290	Flexible	RGBW	12 mm	5 Pins	IP20
521AL0001295	Flexible	COB	8mm	2 Pins	IP20
521AL0001300	Flexible	COB	10mm	2 Pins	IP20



LED STRIP CONNECTORS IP20

Reusable. With supply cable.

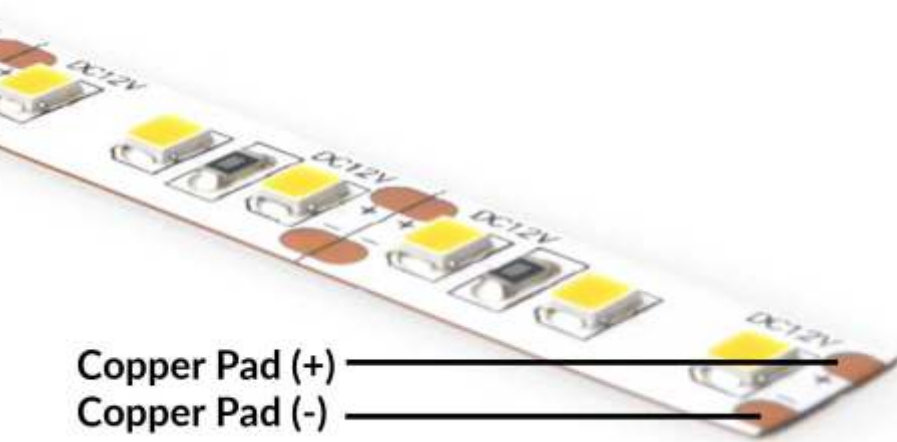
Product code	Type	Usage	Width	Connection	Protection
521AL0001235	No plug	Single color	8 mm	2 Pins	IP20
521AL0001240	No plug	CCT	8 mm	3 Pins	IP20
521AL0001245	No plug	CCT	10 mm	3 Pins	IP20
521AL0001250	No plug	RGB	10 mm	4 Pins	IP20
521AL0001255	No plug	RGBW	12 mm	5 Pins	IP20
521AL0001260	No plug	COB	8 mm	2 Pins	IP20
521AL0001265	No plug	COB	10 mm	2 Pins	IP20
521AL0001305	With plug	Single color	8 mm	2 Pins	IP20
521AL0001310	With pin connector	CCT	8 mm	3 Pins	IP20
521AL0001315	With pin connector	CCT	10 mm	3 Pins	IP20
521AL0001320	With female plug	RGB	10 mm	4 Pins	IP20
521AL0001325	With pin connector	RGBW	12 mm	5 Pins	IP20
521AL0001330	With click plug	COB	8mm	2 Pins	IP20
521AL0001335	With click plug	COB	10mm	2 Pins	IP20



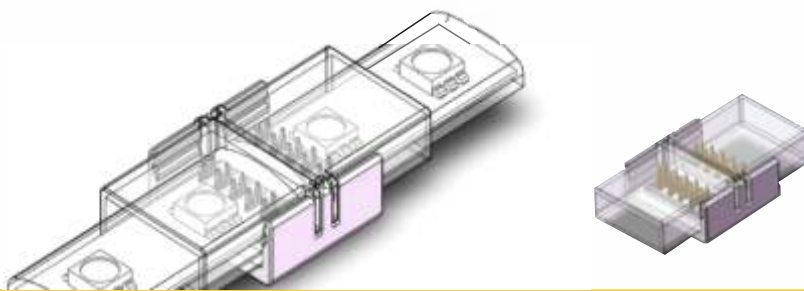
LED STRIP CONNECTORS IP20

Reusable. DC supply.

Product code	Type	Usage	Width	Connection	Protection
521AL0001200	Straight	Single color	8 mm	2 Pins	IP20
521AL0001205	Straight	CCT	8 mm	3 Pins	IP20
521AL0001210	Straight	CCT	10 mm	3 Pins	IP20
521AL0001215	Straight	RGB	10 mm	4 Pins	IP20
521AL0001220	Straight	RGBW	12 mm	5 Pins	IP20
521AL0001225	Straight	COB	8 mm	2 Pins	IP20
521AL0001230	Straight	COB	10 mm	2 Pins	IP20
521AL0001902 - Mounting bracket for LED strip 8mm IP20					
521AL0001905 - Mounting bracket for LED strip 10mm IP20					
521AL0001900 - Mounting bracket for LED strip 12mm IP20					

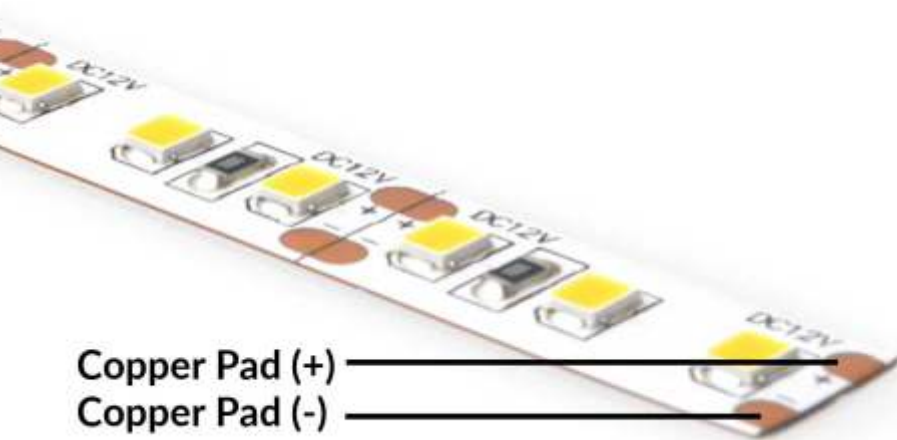


When installing a moisture-proof LED strip outdoors, it is mandatory to connect the individual elements using moisture-proof connectors with a high level of protection.



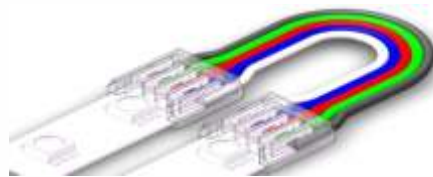
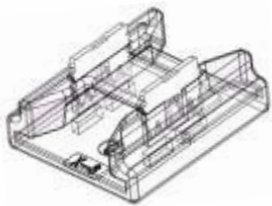
LED STRIP CONNECTORS IP68

Product code	Type	Usage	Width	Connection	Protection
521AL0001375	Straight	Single color	10 mm	2 Pins	IP68
521AL0001380	Straight	CCT	10 mm	3 Pins	IP68
521AL0001385	Straight	CCT	12 mm	3 Pins	IP68
521AL0001390	Straight	RGB	12 mm	4 Pins	IP68
521AL0001395	Straight	RGBW	16 mm	5 Pins	IP68
521AL0001400	With cable	Single color	10 mm	2 Pins	IP68
521AL0001405	With cable	CCT	10 mm	3 Pins	IP68
521AL0001410	With cable	CCT	12 mm	3 Pins	IP68
521AL0001415	With cable	RGB	12 mm	4 Pins	IP68
521AL0001420	With cable	RGBW	16 mm	5 Pins	IP68
521AL0001910 - Glue for waterproof LED strip IP68; 40g Lightex					
521AL0001912 - Mounting bracket for waterproof LED strip IP68; 8/10 mm Lightex					



Copper Pad (+)
Copper Pad (-)

Lightex connectors are designed for easy installation and provide mechanical and electrical connection to the LED strip system.



LED STRIP CONNECTORS IP20

Disposable. Strip to strip.

Product code	Type	Usage	Width	Connection	Protection
521AL0001110	Straight	COB	10 mm	2 Pins	IP20
521AL0001115	Angular	COB	8 mm	2 Pins	IP20
521AL0001120	Angular	COB	10 mm	2 Pins	IP20
521AL0001125	Straight	SMD/COB	10 mm	2 Pins	IP20
521AL0001130	With cable	Single color	8 mm	2 Pins	IP20
521AL0001135	With cable	CCT	8 mm	3 Pins	IP20
521AL0001140	With cable	CCT	10 mm	3 Pins	IP20
521AL0001145	With cable	RGB	10 mm	4 Pins	IP20
521AL0001150	With cable	RGBW	12 mm	5 Pins	IP20
521AL0001155	Flexible	Single color	8 mm	2 Pins	IP20
521AL0001160	Flexible	CCT	8 mm	3 Pins	IP20
521AL0001165	Flexible	CCT	10 mm	3 Pins	IP20
521AL0001170	Flexible	RGB	10 mm	4 Pins	IP20
521AL0001175	Flexible	RGBW	12 mm	5 Pins	IP20
521AL0001180	3in1	SMD/COB	8 mm	2 Pins	IP20
521AL0001185	3in1	SMD/COB	10 mm	2 Pins	IP20



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