

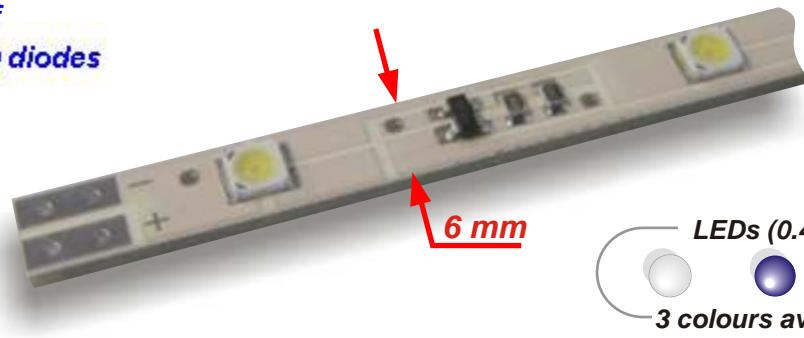
**NEW !**

**"Adele" - 12 Volts LED Strip With Power LEDs**

**NEW !**

**4 x more light with power LEDs**

The next generation of powerful light emitting diodes is on its way.



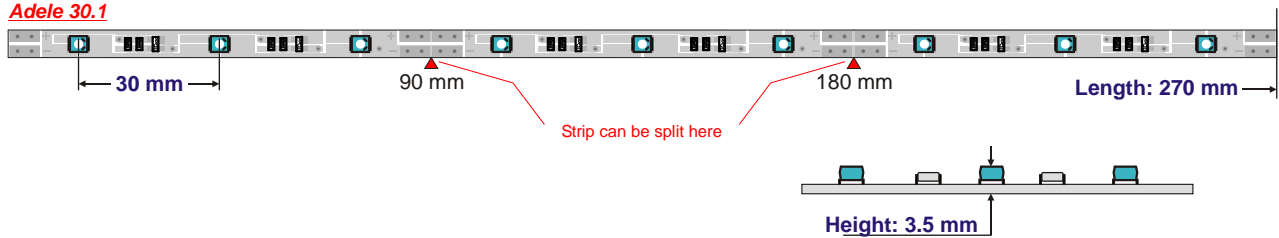
The **Adele** circuit board is a 6 mm wide, oblong LED strip for 12 V operation.

This new generation of LEDs offers four times the light output of conventional LEDs and is operated with 100 mA.

The circuit board can be extended (via soldering pads) or split at pre-defined lengths.

The "Adele" circuit board is available with white, blue and green LEDs.

**Adele 30.1**



**Technical data - circuit boards**

Type	Dimensions (mm)	LED distance (mm)	No. of LEDs	Splittable at	Power (W)
Adele 30.1	270 x 6	30	9	90 mm	4.2

**Order numbers**

White	5 1124 079
Blue	5 1124 076
Green	5 1124 075

**Technical data - power LEDs (0.4 watts)**

Colour	Manufacturer	Type	Wave length (nm)	Luminous intensity (mcd)	Forward voltage (V)	Operating current (mA)
White	NICHIA	NFSW036	0.30; 030	5,500	4.0 ... 4.5	100
Blue	NICHIA	NFSB036	465	1,000	4.0 ... 4.5	100
Green	NICHIA	NFSG036	520	4,500	4.0 ... 4.5	100

**"Double" - The Two-colour LED Strip With a Width of 6 mm**

The "Double" LED strip is a two-colour LED circuit board with a width of 6 mm. The two LED colours are arranged in separate rows so that the strip can be used to illuminate two acrylic glass panes of 3 mm each with different colours to create a two-colour display.

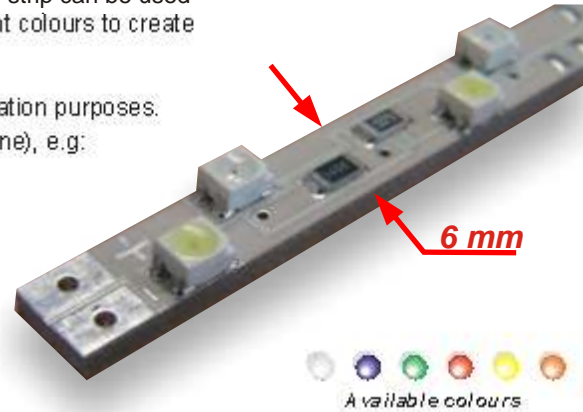
The "Double" circuit board can also be used for general illumination purposes. Mixed colours can be obtained (illuminating only one acrylic pane), e.g.:

- red and blue for magenta
- white and yellow for "warm white"

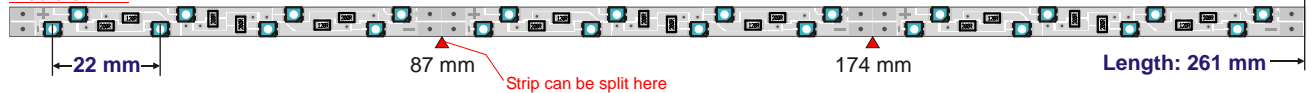
The circuit board can be split (shortest length: 87 mm) and extended using soldered connections.

Electrical connection is via soldering pads located on the small end.

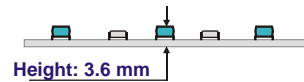
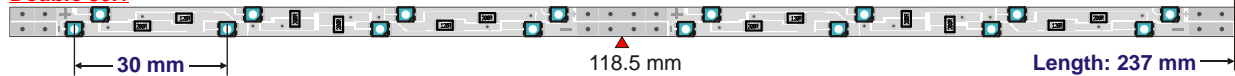
**Note: 12 V circuit boards**



**Double 22.1**



**Double 30.1**



**Order numbers**

Type	White	Blue	Green	Red	Yellow	Amber
Double 22.1						
Double 30.1						

Order numbers available on request

**Technical data - circuit boards**

Type	Dimensions (mm)	LED distance (mm)	No. of LEDs	Splittable at	Power (W) white/blue/green	Power (W) red/yellow/amber	Max. connectable length per power supply
Double 22.1	261 x 6	22	2 x 12	87 mm	3	2,5	2.25 m
Double 30.1	237 x 6	30	16	64 mm	2,4	2	3.10 m

**Technical data - LEDs**

Colour	Manufacturer	Type	Wave length (nm)	Luminous intensity (mcd)	Luminous flux (lm)	Forward voltage (V)	Operating current (mA)
White	Seoul S.	MWT801-S	0.30; 030	700...900		3.3...3.7	25
Blue	NICHIA	NSSB100BT	465	178...250		3.6...4.0	25
Green	NICHIA	NSSG100BT	520	560...780		3.5...4.0	25
Amber-red	OSRAM	LAE 675-U2	617	560...710	1,900	1.9...2.1	40
Super red	OSRAM	LSE 675-U1	633	450...560	1,500	1.9...2.1	40
Yellow	OSRAM	LYE 675-V1	585	710...900	2,400	1.9...2.2	40
Amber	OSRAM	LOE 67B-AA	603	1,120...1,400	3,750	1.9...2.2	40

**"Martina" - The LED Strip With a Width of 6 mm**

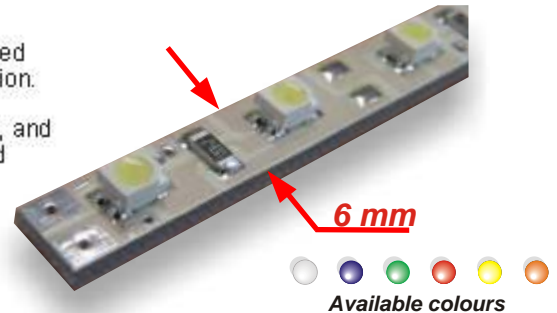
"Martina" is a universal circuit board with a width of 6 mm available with a choice of different LED distances between 12 and 31 mm.

The LED strip is particularly suitable for creating continuous illuminated lines, e. g. on the edge of acrylic glass panes, or for indirect illumination.

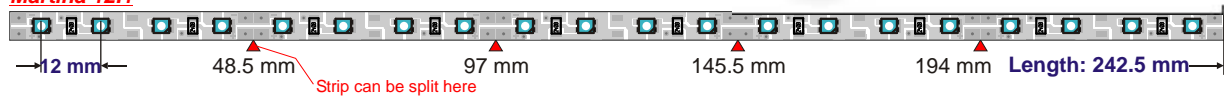
The circuit boards are available in lengths between 246 and 260 mm, and can be split or extended as required. The maximum lengths are listed in the table below.

The shortest splittable length is 48.5 mm (4 LEDs).  
With white, blue and green LEDs this strip can be split in halves of approx. 25 mm (2 LEDs).

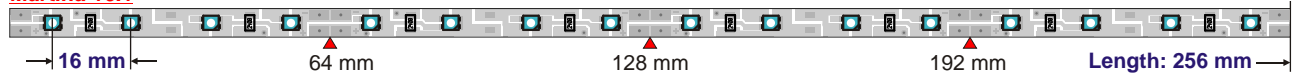
**Note: 12 V circuit boards**



**Martina 12.1**



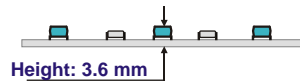
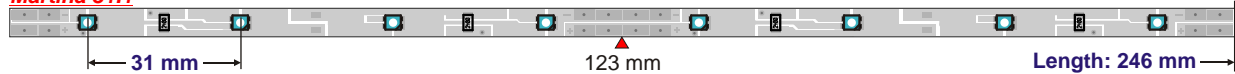
**Martina 16.1**



**Martina 22.1**



**Martina 31.1**



**Order numbers**

Type	White	Blue	Green	Red	Yellow	Amber
Martina 12.1	51124039	51124036	51124035	51124037	51124034	51124033
Martina 16.1	51164039	51164036	51164035	51164037	51164034	51164033
Martina 22.1	51224039	51224036	51224035	51224037	51224034	51224033
Martina 31.1	51314039	51314036	51314035	51314037	51314034	51314033

**Technical data - circuit boards**

Type	Dimensions (mm)	LED distance (mm)	No. of LEDs	Splittable at	Power (W) white/blue/green	Power (W) red/yellow/amber	Max. connectable length per power supply
Martina 12.1	245 x 6	12	20	49.5 mm	3.0	2.5	1.25 m
Martina 16.1	256 x 6	16	16	64.0 mm	2.4	2.0	1.65 m
Martina 22.1	259.5 x 6	22	12	86.5 mm	1.8	1.5	2.25 m
Martina 31.1	246 x 6	31	8	123.0 mm	1.2	1.0	3.20 m

**Technical data - LEDs**

Colour	Manufacturer	Type	Wave length (nm)	Luminous intensity (mcd)	Luminous flux (lm)	Forward voltage (V)	Operating current (mA)
White	Seoul S.	MWT801-S	0.30; 030	700...900		3.3...3.7	25
Blue	NICHIA	NSSB100BT	465	178...250		3.6...4.0	25
Green	NICHIA	NSSG100BT	520	560...780		3.5...4.0	25
Amber-Red	OSRAM	LAE 675-U2	617	560...710	1,900	1.9...2.1	40
Super red	OSRAM	LSE 675-U1	633	450...560	1,500	1.9...2.1	40
Yellow	OSRAM	LYE 675-V1	585	710...900	2,400	1.9...2.2	40
Amber	OSRAM	LOE 67B-AA	603	1,120...1,400	3,750	1.9...2.2	40

**"Christa" - The LED Strip With a Width of Only 3 mm!**

"Christa" is a universal LED circuit board whose width of only 3 mm makes it particularly suitable for applications with restricted space.

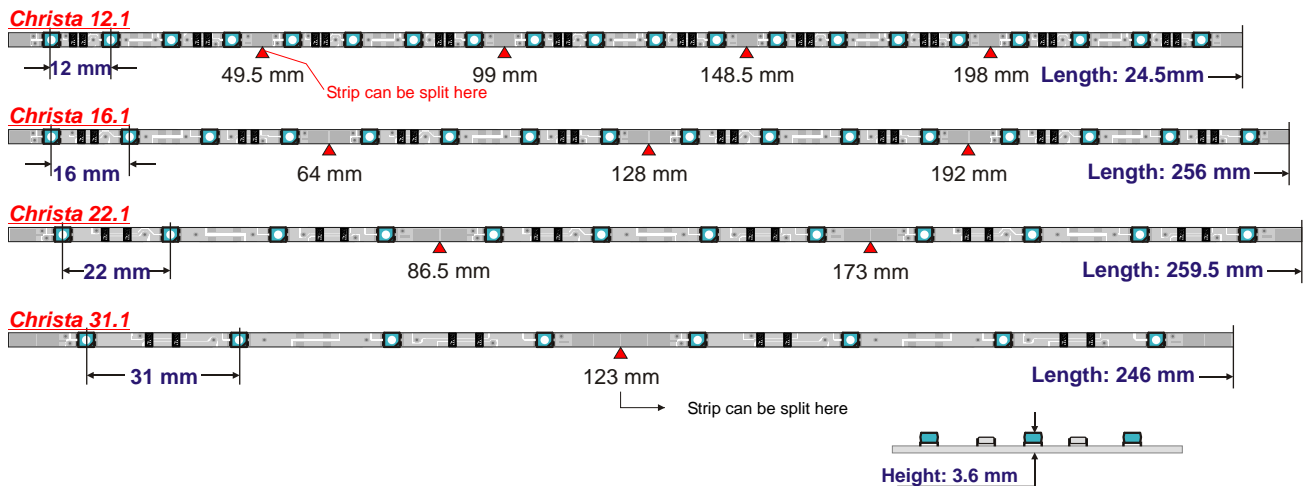
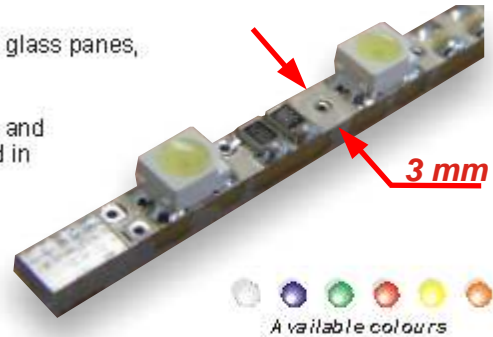
The LED strip is the favourite choice for illuminating engraved acrylic glass panes, as it allows the use of acrylic panes with a thickness of only 3 mm.

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The shortest splittable length is 49.5 mm (4 LEDs).  
With white, blue and green LEDs this strip can be split in halves of approx. 25 mm (2 LEDs).

Electrical connection is via soldering pads located on the small end.

**Note: 12 V circuit boards**



**Order numbers**

Type	White	Blue	Green	Red	Yellow	Amber
Christa 12.1	51124019	51124016	51124015	51124017	51124014	51124013
Christa 16.1	51164019	51164016	51164015	51164017	51164014	51164013
Christa 22.1	51224019	51224016	51224015	51224017	51224014	51224013
Christa 31.1	51314019	51314016	51314015	51314017	51314014	51314013

**Technical data - circuit board**

Type	Dimensions (mm)	LED distance (mm)	No. of LEDs	Splittable at	Power(W) white/blue/green	Power (W) red/yellow/amber	Max. connectable length per power supply
Christa 12.1	247.5 x 3	12	20	49.5 mm	3.0	2.5	1.25 m
Christa 16.1	256 x 3	26	16	64.0 mm	2.4	2.0	1.65 m
Christa 22.1	261 x 3	22	12	86.5 mm	1.8	1.5	2.25 m
Christa 31.1	246 x 3	31	8	123,0 mm	1.2	1.0	3.20 m

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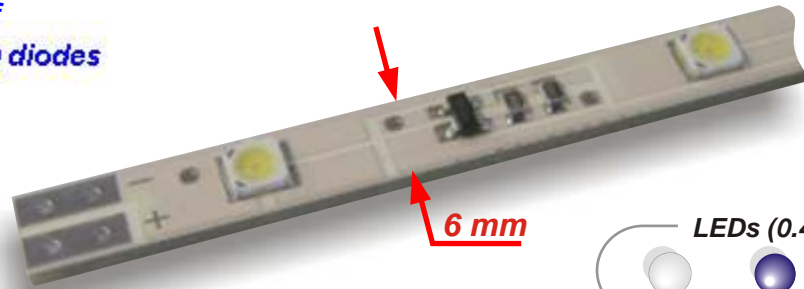
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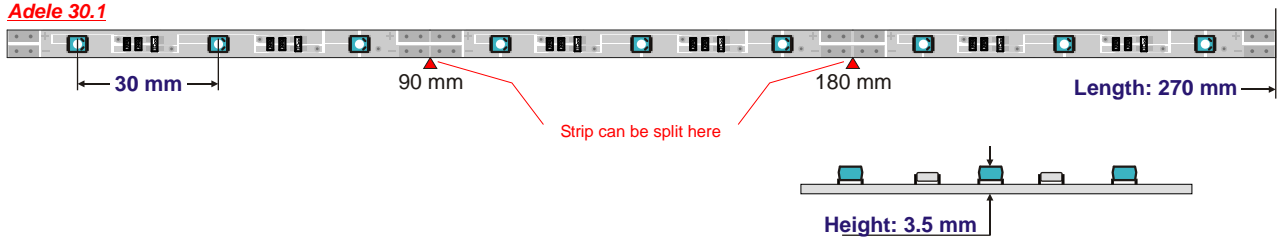
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