

# LED Module

LED Module  
Modules LED



**LEDs**  
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Diode Luminescente




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PRECISION OPTOELECTRONICS

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Gesockelte LEDs  
LED à Culot






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**LED Profile**  
LED Profile  
Profilé à LED




**Emer.-Exit light**  
Notausgangsleuchten  
Eclairage des sorties





## Directory / Inhaltsverzeichnis / Annuaire de contenu

<b>Product</b>	<b>Serie</b>	<b>Colour</b>	<b>Voltage</b>	<b>Wattage</b>	<b>Protection</b>	<b>Page</b>
<b>Flexiprint</b>	FP5	single colour	12V	4.8W/m	IP20	4
<b>Flexiprint</b>	FP/FP1	single colour	12V/24V	4.8W/m	IP20	5-6
<b>Flexiprint</b>	FP1	dual white	24V	2x4.8W/m	IP20	7
<b>Flexiprint</b>	FP/FP1	single colour	12V/24V	9.6W/m	IP20	8-9
<b>Flexiprint</b>	FP3	single colour	12V/24V	14.4W/m	IP20	10-11
<b>Flexiprint</b>	FP7	single colour	24V	18W/m	IP20	12
<b>Flexiprint</b>	FP4	single colour	12V/24V	21.6/17.3W/m	IP20	13-14
<b>Flexiprint</b>	FP6	single colour	24V	26W/m	IP20	15
<b>Flexiprint</b>	FPL	single colour	12V/24V	4.8W/m	IP64	16-17
<b>Flexiprint</b>	FPL	single colour	12V/24V	9.6W/m	IP64	18-19
<b>Flexiprint</b>	FPL3	single colour	12V/24V	14.4W/m	IP64	20-21
<b>Flexiprint</b>	FPS	single colour	12V/24V	4.8W/m	IP67	22-23
<b>Flexiprint</b>	FP	RGB	12V	7.2W/m	IP20	24
<b>Flexiprint</b>	FP/FP1	RGB	12V/24V	14.4W/m	IP20	25-26
<b>Flexiprint</b>	FP1	RGB + White	24V	23W/m	IP20	27
<b>Flexiprint</b>	FPL	RGB	12V/24V	14.4W/m	IP64	28-29
<b>Flexiprint</b>	FPL	RGB + White	24V	23W/m	IP64	30
<b>Flexiprint</b>	FPS	RGB	12V	7.2W/m	IP67	31
<b>Flexiprint</b>	FPS	RGB	12V/24V	14.4W/m	IP67	32-33
<b>Cable &amp; Connectors</b>						34-36
<b>Wiring Instructions</b>						37-39
<b>General Information for Flexiprint, LED strips and LED Modules</b>						40

## Flexiprint IP20

3528 PLCC2, single colour, standard bright, extra slim stripe

**FP5-x01B-500**

### Specifications





Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

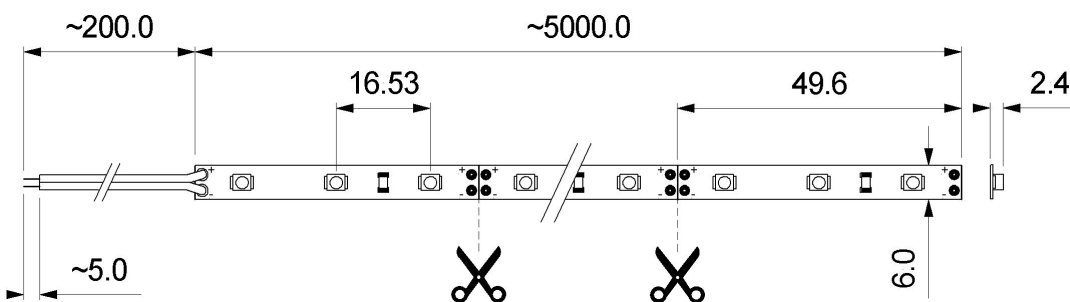
Adhesive tape on backside  
Cuttable every ~49.6mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FP5-B01B-500	 blue	470nm	66
FP5-G01B-500	 green	520nm	283
FP5-R01B-500	 red	620nm	148
FP5-Y01B-500	 yellow	590nm	40

Part number	Colour	CCT	Intensity lm/m	EEC
FP5-H01B-500	 warm-white	2600-2800°K	420	G
FP5-N01B-500	 warm-white	2800-3500°K	468	F
FP5-S01B-500	 natural-white	3800-5000°K	498	F
FP5-W01B-500	 cold-white	5500-7000°K	498	F

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**



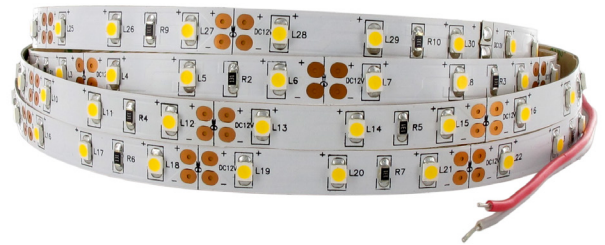
## Flexiprint IP20

3528 PLCC2, single colour, standard bright

**FP-x01B-500**

### Specifications





Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

Adhesive tape on backside  
Cuttable every ~50mm

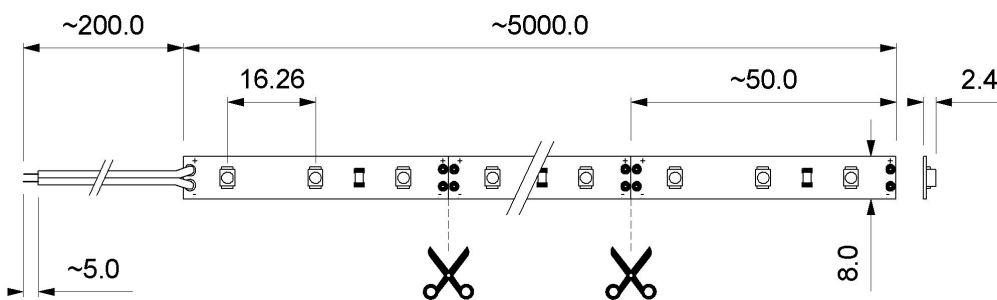
### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FP-B01B-500	 blue	470nm	66	
FP-G01B-500	 green	520nm	283	
FP-R01B-500	 red	620nm	148	
FP-Y01B-500	 yellow	590nm	40	

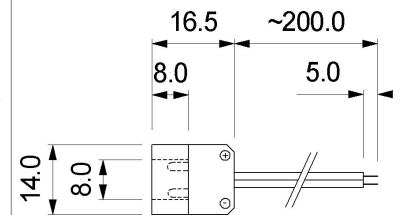
  

Part number	Colour	CCT	Intensity lm/m	EEC
FP-H01B-500	 warm-white	2600-2800°K	420	G
FP-N01B-500	 warm-white	2800-3500°K	468	F
FP-S01B-500	 natural-white	3800-5000°K	498	F
FP-W01B-500	 cold-white	5500-7000°K	498	F

### Dimensions



### Additional



Quick connector for a solderless connection with the LED stripe.  
Part-no.: SLO-C310-00001  
(details on page 47)

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

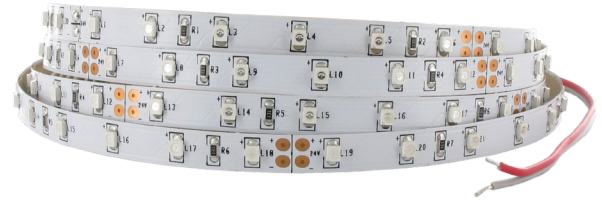
## Flexiprint IP20

3528 PLCC2, single colour, standard bright

**FP1-x01D-500**

### Specifications





Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

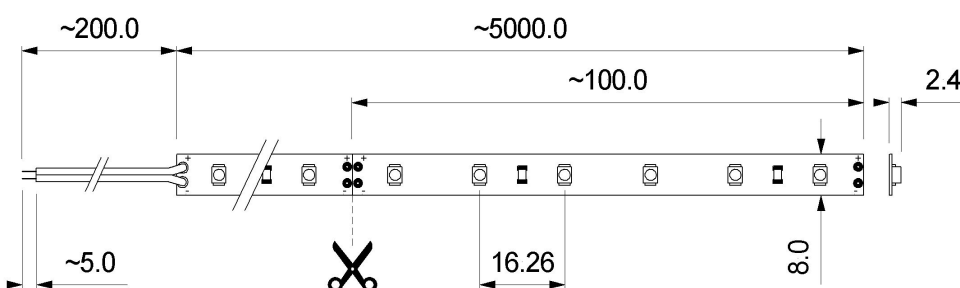
Adhesive tape on backside  
Cutttable every ~100mm

### Electrical and optical characteristics (Ta=25°C)

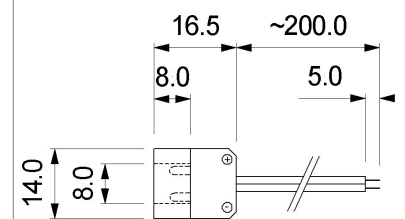
Part number	Colour	Wavelength	Intensity lm/m
FP1-B01D-500	 blue	470nm	66
FP1-G01D-500	 green	520nm	283
FP1-R01D-500	 red	620nm	148
FP1-Y01D-500	 yellow	590nm	40

Part number	Colour	CCT	Intensity lm/m	EEC
FP1-H01D-500	 warm-white	2600-2800°K	420	G
FP1-N01D-500	 warm-white	2800-3500°K	468	F
FP1-S01D-500	 natural-white	3800-5000°K	498	F
FP1-W01D-500	 cold-white	5500-7000°K	498	F

### Dimensions



### Additional



Quick connector for a solderless connection with the LED stripe.  
Part-no.: SLO-C310-00001  
(details on page 47)

1. All dimensions are in millimetres
2. Length tolerance  $\pm 1\%$
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint IP20

3528 PLCC2, dual-white, standard bright

**FP1-NW02D-500**

### Specifications

Voltage	24V
Current	2 x 1A
Wattage	2 x 4.8W/m
Number of LEDs	2 x 300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



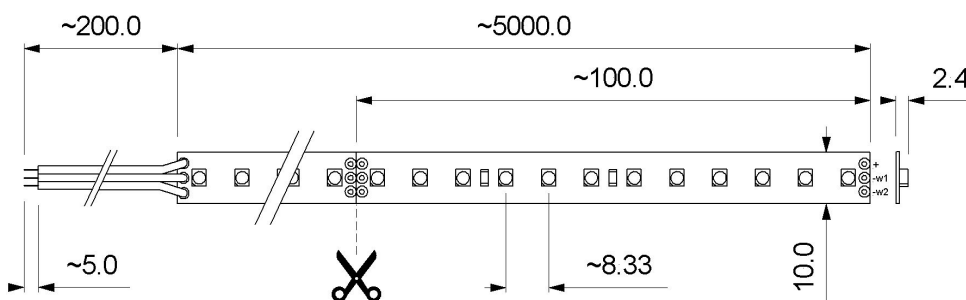
### Benefits

Adhesive tape on backside  
Cutttable every ~100mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	CCT	Intensity lm/m	EEC
FP1-NW02D-500	 warm-white	2800-3500°K	468	F
	 cold-white	5500-7000°K	498	F

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance  $\pm 1\%$
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint IP20

3528 PLCC2, single colour, standard bright, double density

**FP-x02B-250**

### Specifications





Voltage	12V
Current	2A
Wattage	9.6W/m
Number of LEDs	300pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

Adhesive tape on backside  
Cuttable every ~25mm

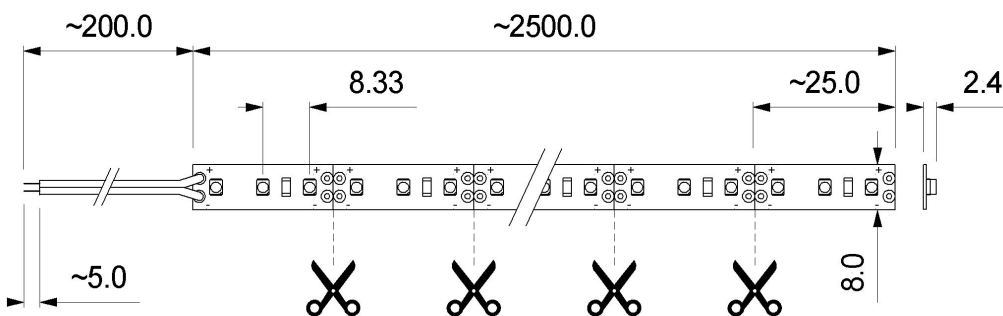
### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FP-B02B-250	 blue	470nm	132	
FP-G02B-250	 green	520nm	566	
FP-R02B-250	 red	620nm	295	
FP-Y02B-250	 yellow	590nm	79	

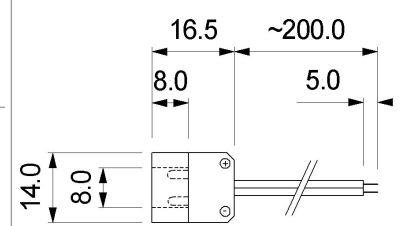
  

Part number	Colour	CCT	Intensity lm/m	EEC
FP-H02B-250	 warm-white	2600-2800°K	840	G
FP-N02B-250	 warm-white	2800-3500°K	936	F
FP-S02B-250	 natural-white	3800-5000°K	996	F
FP-W02B-250	 cold-white	5500-7000°K	996	F

### Dimensions



### Additional



Quick connector for a solderless connection with the LED stripe.  
Part-no.: SLO-C310-00001  
(details on page 47)

- All dimensions are in millimetres
- Length tolerance  $\pm 1\%$
- All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
- Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint IP20

3528 PLCC2, single colour, standard bright, double density

**FP1-x02D-500**

### Specifications





Voltage	24V
Current	2A
Wattage	9.6W/m
Number of LEDs	600pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

Adhesive tape on backside  
Cuttable every ~50mm

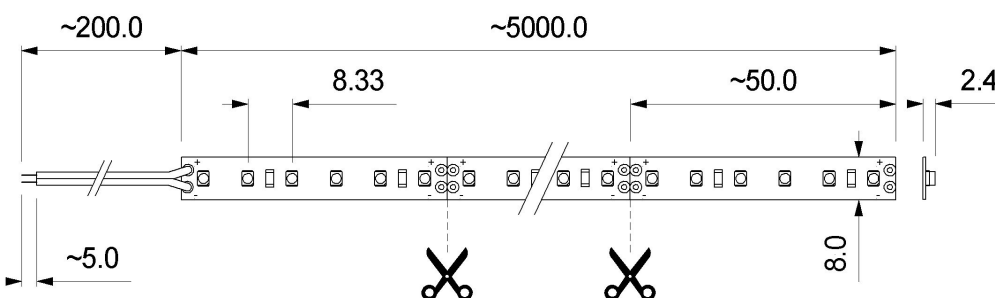
### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FP1-B02D-500	 blue	470nm	132	
FP1-G02D-500	 green	520nm	566	
FP1-R02D-500	 red	620nm	295	
FP1-Y02D-500	 yellow	590nm	79	

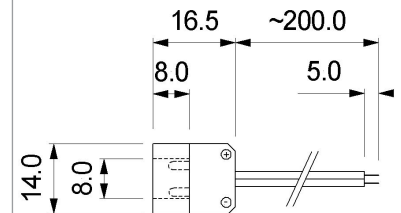
  

Part number	Colour	CCT	Intensity lm/m	EEC
FP1-H02D-500	 warm-white	2600-2800°K	840	G
FP1-N02D-500	 warm-white	2800-3500°K	936	F
FP1-S02D-500	 natural-white	3800-5000°K	996	F
FP1-W02D-500	 cold-white	5500-7000°K	996	F

### Dimensions



### Additional



Quick connector for a solderless connection with the LED stripe.  
Part-no.: SLO-C310-00001  
(details on page 47)

1. All dimensions are in millimetres
2. Length tolerance  $\pm 1\%$
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**



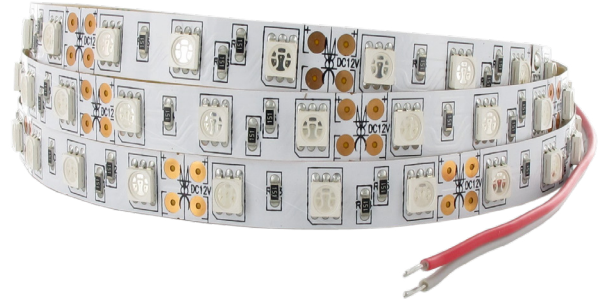
## Flexiprint IP20

5060 PLCC6, single colour, high bright

**FP3-x02B-250**

### Specifications





Voltage	12V
Current	3A
Wattage	14.4W/m
Number of LEDs	150pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

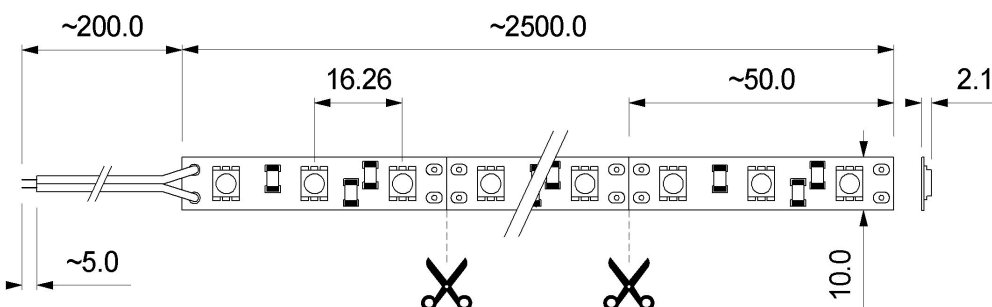
Adhesive tape on backside  
Cutttable every ~50mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FP3-B02B-250	 blue	470nm	189
FP3-G02B-250	 green	520nm	716
FP3-R02B-250	 red	620nm	321
FP3-Y02B-250	 yellow	590nm	148

Part number	Colour	CCT	Intensity lm/m	EEC
FP3-H02B-250	 warm-white	2600-2800°K	1320	G
FP3-N02B-250	 warm-white	2800-3500°K	1320	G
FP3-S02B-250	 natural-white	3800-5000°K	1380	F
FP3-W02B-250	 cold-white	5500-7000°K	1380	F

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

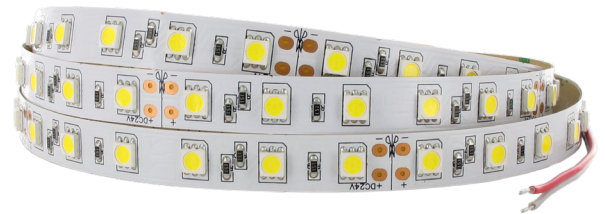
## Flexiprint IP20

5060 PLCC6, single colour, high bright

**FP3-x02D-500**

### Specifications





Voltage	24V
Current	3A
Wattage	14.4W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

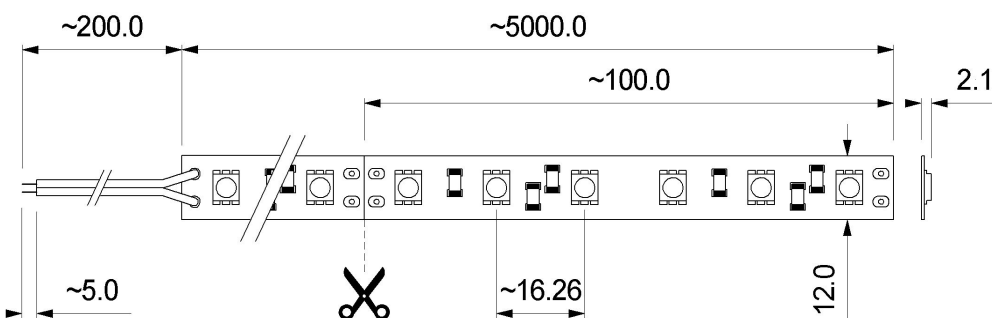
Adhesive tape on backside  
Cutttable every ~100mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FP3-B02D-500	 blue	470nm	189
FP3-G02D-500	 green	520nm	716
FP3-R02D-500	 red	630nm	321
FP3-Y02D-500	 yellow	590nm	148

Part number	Colour	CCT	Intensity lm/m	EEC
FP3-H02D-500	 warm-white	2600-2800°K	1320	G
FP3-N02D-500	 warm-white	2800-3500°K	1320	G
FP3-S02D-500	 natural-white	3800-5000°K	1380	F
FP3-W02D-500	 cold-white	5500-7000°K	1380	F

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint IP20

3528 PLCC2, single colour, standard bright, high density

**FP7-x01D-250**

### Specifications




Voltage	24V
Current	1.88A
Wattage	18W/m
Number of LEDs	570pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



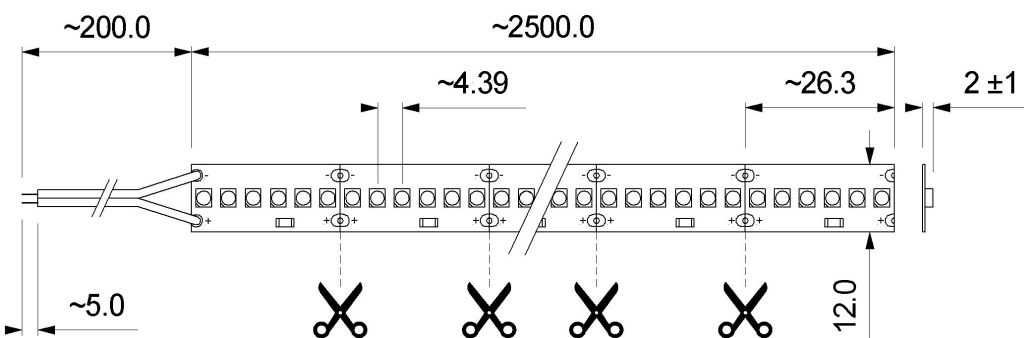
### Benefits

Adhesive tape on backside  
Cuttable every ~26.3mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	CCT	Intensity lm/m	EEC
FP7-N01D-250	 warm-white	2800-3500°K	1778	F
FP7-S01D-250	 natural-white	3800-5000°K	1892	F
FP7-W01D-250	 cold-white	5500-7000°K	1892	F

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

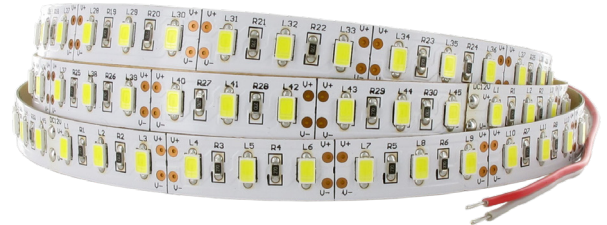
## Flexiprint IP20

5730, single colour, ultra bright

FP4-x01B-250

### Specifications




Voltage	12V
Current	4.5A
Wattage	21.6W/m
Number of LEDs	225pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



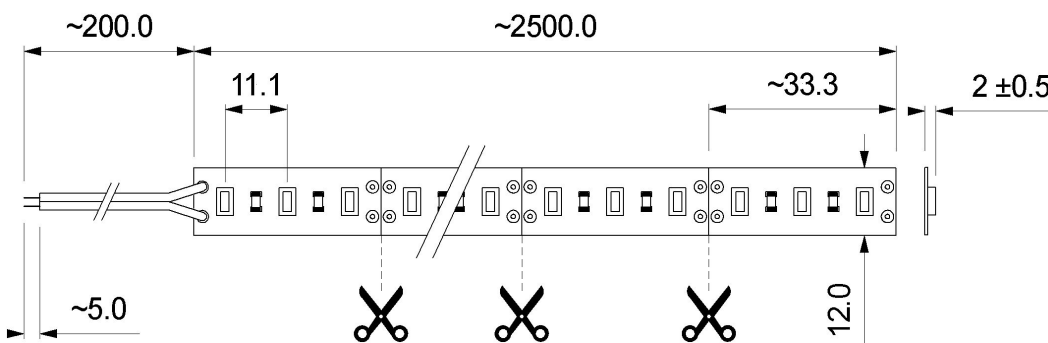
### Benefits

Adhesive tape on backside  
Cuttable every ~33.3mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	CCT	Intensity lm/m	EEC
FP4-N01B-250	 warm-white	2800-3500°K	2170	F
FP4-S01B-250	 natural-white	3800-5000°K	2260	F
FP4-W01B-250	 cold-white	5500-7000°K	2260	F

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint IP20

5730, single colour, ultra bright

FP4-x01D-500

### Specifications




Voltage	24V
Current	3.6A
Wattage	17.28W/m
Number of LEDs	420pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



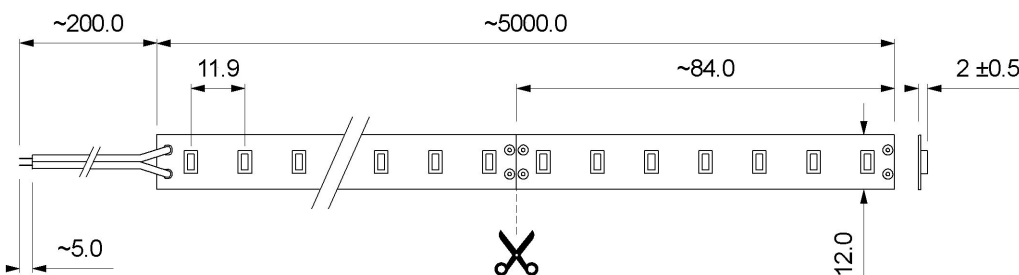
### Benefits

Adhesive tape on backside  
Cuttable every ~84mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	CCT	Intensity lm/m	EEC
FP4-N01D-500	 warm-white	2800-3500°K	2016	F
FP4-S01D-500	 natural-white	3800-5000°K	2100	E
FP4-W01D-500	 cold-white	5500-7000°K	2100	E

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**



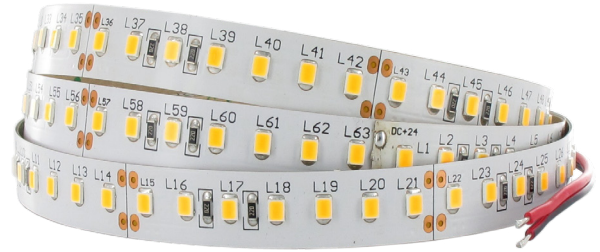
## Flexiprint IP20

2835, single colour, ultra high bright

**FP6-x01D-250**

### Specifications




Voltage	24V
Current	2.7A
Wattage	26W/m
Number of LEDs	315pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



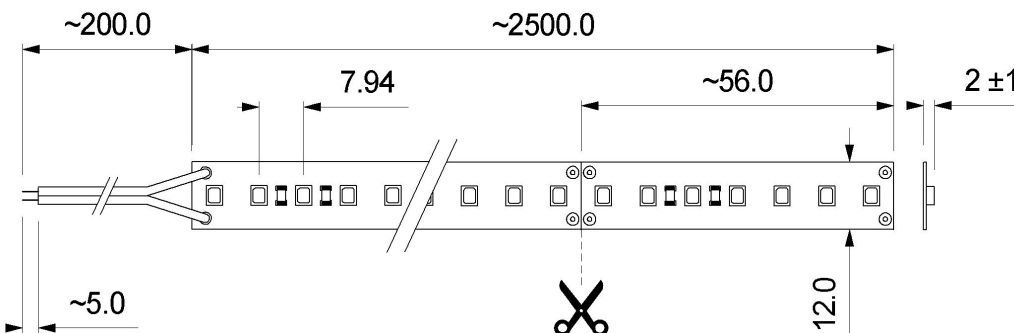
### Benefits

Adhesive tape on backside  
Cuttable every ~56mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	CCT	Intensity lm/m	EEC
FP6-N01D-250	 warm-white	2800-3500°K	3402	E
FP6-S01D-250	 natural-white	3800-5000°K	3528	E
FP6-W01D-250	 cold-white	5500-7000°K	3528	E

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

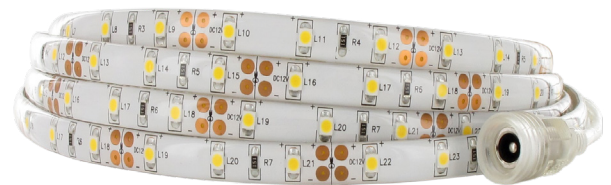
## Flexiprint silicone IP64

3528 PLCC2, single colour, standard bright

**FPL-x04B-500**

### Specifications

Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	











### Benefits

Adhesive tape on backside

### About IP64

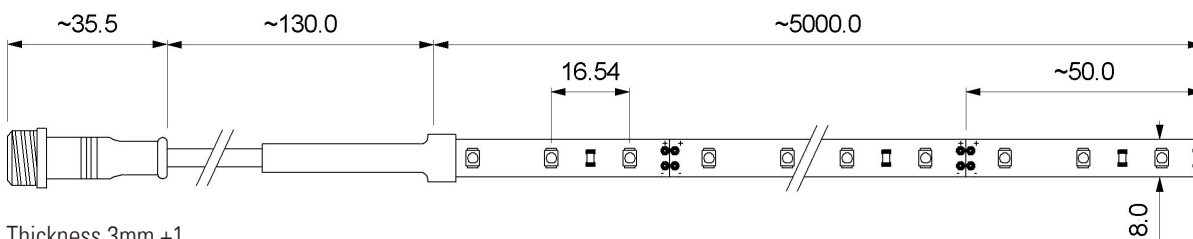
Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FPL-B04B-500	 blue	470nm	66	
FPL-G04B-500	 green	520nm	283	
FPL-R04B-500	 red	620nm	148	
FPL-Y04B-500	 yellow	590nm	40	
Part number	Colour	CCT	Intensity lm/m	EEC
FPL-H04B-500	 warm-white	2600-2800°K	420	G
FPL-N04B-500	 warm-white	2800-3500°K	468	F
FPL-S04B-500	 natural-white	3800-5000°K	498	F
FPL-W04B-500	 cold-white	5500-7000°K	498	F

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter.

### Dimensions



Thickness 3mm +1  
Thickness endings 6.7mm  
DC-Power Jack internal Ø 2.1mm / external Ø 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

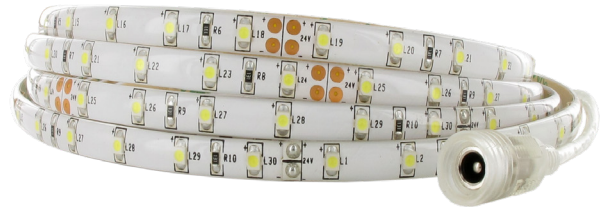
## Flexiprint silicone IP64

3528 PLCC2, single colour, standard bright

**FPL-x04D-500**

### Specifications

Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits:

Adhesive tape on backside





### About IP64

Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

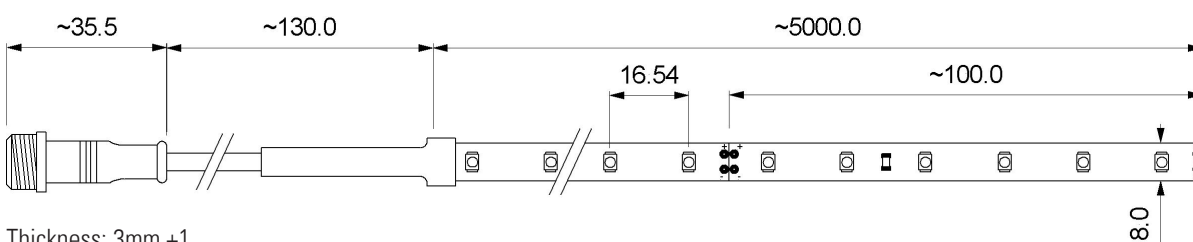
Part number	Colour	Wavelength	Intensity lm/m	
FPL-B04D-500	 blue	470nm	66	
FPL-G04D-500	 green	520nm	283	
FPL-R04D-500	 red	620nm	148	
FPL-Y04D-500	 yellow	590nm	40	

Part number	Colour	CCT	Intensity lm/m	EEC
FPL-H04D-500	 warm-white	2600-2800°K	420	G
FPL-N04D-500	 warm-white	2800-3500°K	468	F
FPL-S04D-500	 natural-white	3800-5000°K	498	F
FPL-W04D-500	 cold-white	5500-7000°K	498	F

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter.

### Dimensions



Thickness: 3mm +1  
Thickness endings: 6.7mm  
DC-Power Jack: internal Ø 2.1mm / external Ø: 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP64

3528 PLCC2, single colour, standard bright, double density

**FPL-x05B-250**

### Specifications

Voltage	12V
Current	2A
Wattage	9.6W/m
Number of LEDs	300pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits





Adhesive tape on backside

### About IP64

Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

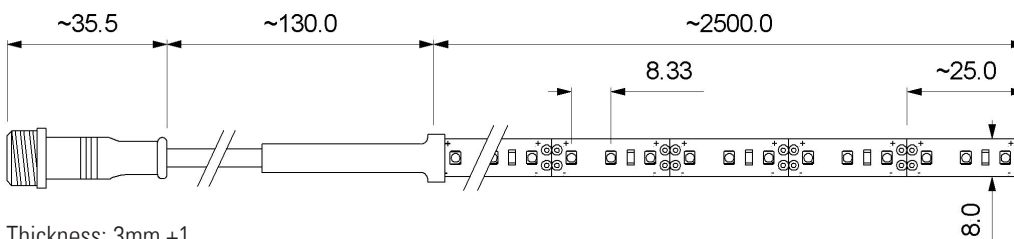
### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FPL-B05B-250	 blue	470nm	132
FPL-G05B-250	 green	520nm	566
FPL-R05B-250	 red	620nm	295
FPL-Y05B-250	 yellow	590nm	79

Part number	Colour	CCT	Intensity lm/m	EEC
FPL-H05B-250	 warm-white	2600-2800°K	840	G
FPL-N05B-250	 warm-white	2800-3500°K	936	F
FPL-S05B-250	 natural-white	3800-5000°K	996	F
FPL-W05B-250	 cold-white	5500-7000°K	996	F

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter.

### Dimensions



Thickness: 3mm +1  
Thickness endings: 6.7mm  
DC-Power Jack: internal Ø 2.1mm / external Ø: 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP64

3528 PLCC2, single colour, standard bright, double density

**FPL-x05D-500**

### Specifications

Voltage	24V
Current	2A
Wattage	9.6W/m
Number of LEDs	600pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	











### Benefits

Adhesive tape on backside

### About IP64

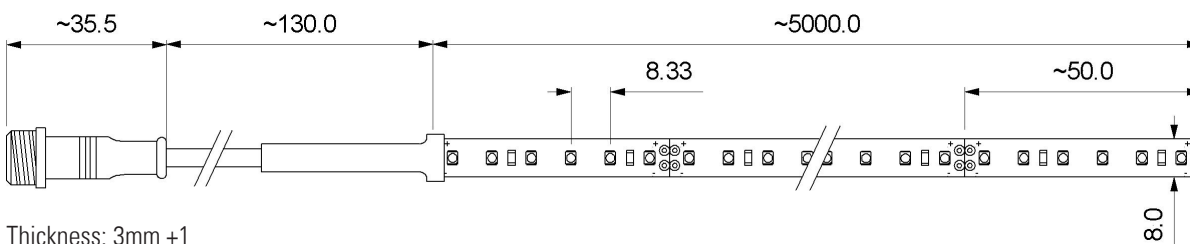
Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FPL-B05D-500	 blue	470nm	132	
FPL-G05D-500	 green	520nm	566	
FPL-R05D-500	 red	620nm	295	
FPL-Y05D-500	 yellow	590nm	79	
Part number	Colour	CCT	Intensity lm/m	EEC
FPL-H05D-500	 warm-white	2600-2800°K	840	G
FPL-N05D-500	 warm-white	2800-3500°K	936	F
FPL-S05D-500	 natural-white	3800-5000°K	996	F
FPL-W05D-500	 cold-white	5500-7000°K	996	F

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter

### Dimensions



Thickness: 3mm +1  
Thickness endings: 6.7mm  
DC-Power Jack: internal Ø 2.1mm / external Ø: 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**



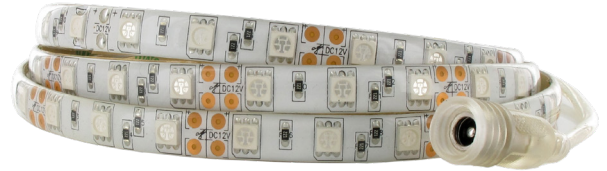
## Flexiprint silicone IP64

5060 PLCC6, single colour, high bright

**FPL3-x02B-250**

### Specifications

Voltage	12V
Current	3A
Wattage	14.4W/m
Number of LEDs	150pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

Adhesive tape on backside





### About IP64

Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

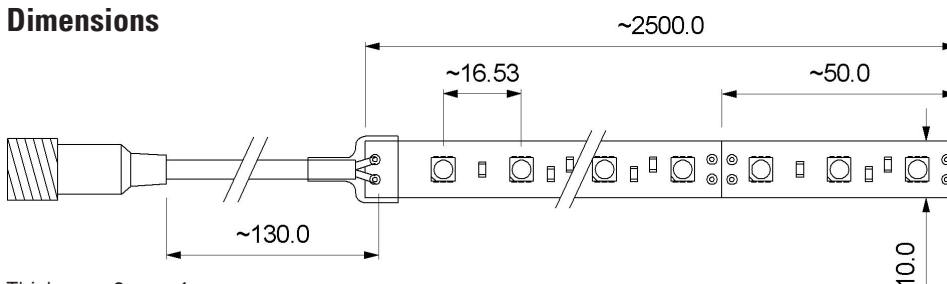
Part number	Colour	Wavelength	Intensity lm/m	
FPL3-B02B-250	 blue	470nm	189	
FPL3-G02B-250	 green	520nm	716	
FPL3-R02B-250	 red	620nm	321	
FPL3-Y02B-250	 yellow	590nm	148	

Part number	Colour	CCT	Intensity lm/m	EEC
FPL3-H02B-250	 warm-white	2600-2800°K	1320	G
FPL3-N02B-250	 warm-white	2800-3500°K	1320	G
FPL3-S02B-250	 natural-white	3800-5000°K	1380	F
FPL3-W02B-250	 cold-white	5500-7000°K	1380	F

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter

### Dimensions



Thickness: 3mm +1  
Thickness endings: 6.7mm  
DC-Power Jack: internal Ø 2.1mm / external Ø: 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP64

5060 PLCC6, single colour, high bright

**FPL3-x02D-500**

### Specifications

Voltage	24V
Current	3A
Wattage	14.4W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	







### Benefits

Adhesive tape on backside





### About IP64

Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

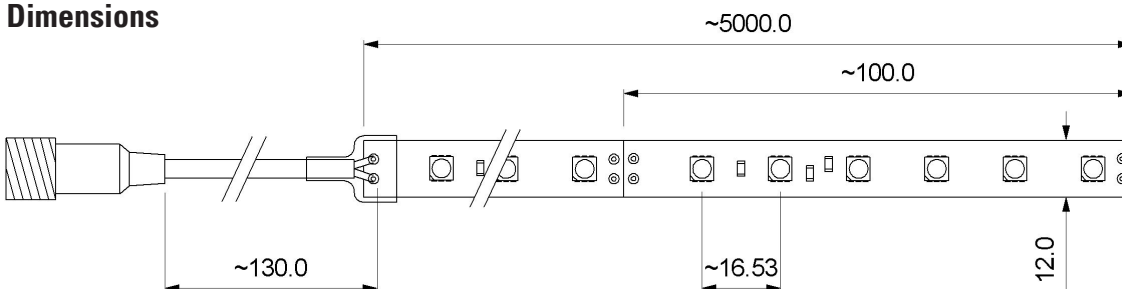
Part number	Colour	Wavelength	Intensity lm/m	
FPL3-B02D-500	 blue	470nm	189	
FPL3-G02D-500	 green	520nm	716	
FPL3-R02D-500	 red	620nm	321	
FPL3-Y02D-500	 yellow	590nm	148	

Part number	Colour	CCT	Intensity lm/m	EEC
FPL3-H02D-500	 warm-white	2600-2800°K	1320	G
FPL3-N02D-500	 warm-white	2800-3500°K	1320	G
FPL3-S02D-500	 natural-white	3800-5000°K	1380	F
FPL3-W02D-500	 cold-white	5500-7000°K	1380	F

the reduction of light output for IP64 products is about -10%, due to silicone is acting as a filter

### Dimensions



Thickness: 3mm +1  
Thickness endings: 6.7mm  
DC-Power Jack: internal Ø 2.1mm / external Ø: 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP67

3528 PLCC2, single colour, standard bright

**FPS-x01B-500**

### Specifications

Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	











### Benefits

Adhesive tape on backside

### About IP67

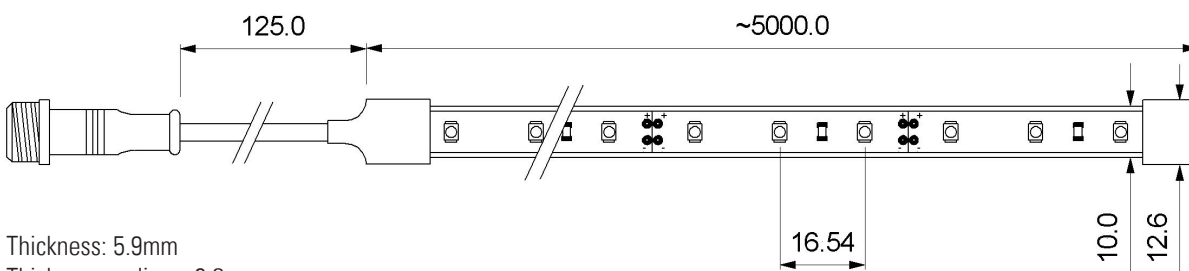
Waterproof for temporary immersion in water.  
Test requirements according to IEC 60598-1 (9.2.8) under a max. depth of 1m for 30Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FPS-B01B-500	 blue	470nm	66	
FPS-G01B-500	 green	520nm	283	
FPS-R01B-500	 red	620nm	148	
FPS-Y01B-500	 yellow	590nm	40	
Part number	Colour	CCT	Intensity lm/m	EEC
FPS-H01B-500	 warm-white	2600-2800°K	420	G
FPS-N01B-500	 warm-white	2800-3500°K	468	F
FPS-S01B-500	 natural-white	3800-5000°K	498	F
FPS-W01B-500	 cold-white	5500-7000°K	498	F

the reduction of light output for IP67 products is about -15%, due to silicone acting as a filter.

### Dimensions



Thickness: 5.9mm  
Thickness endings: 6.8mm  
DC-Power Jack: internal Ø 2.1mm / external Ø 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP67

3528 PLCC2, single colour, standard bright

**FPS-x01D-500**

### Specifications

Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	











### Benefits

Adhesive tape on backside

### About IP67

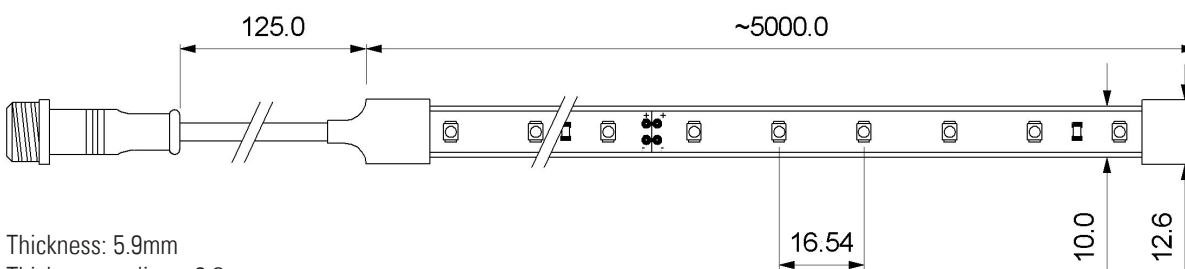
Waterproof for temporary immersion in water.  
 Test requirements according to IEC 60598-1 (9.2.8) under a max. depth of 1m for 30Min.  
 No protection against UV, salt water/smog and chlorine!  
 IP protection is no longer applicable after cutting!  
 Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FPS-B01D-500	 blue	470nm	66	
FPS-G01D-500	 green	520nm	283	
FPS-R01D-500	 red	620nm	148	
FPS-Y01D-500	 yellow	590nm	40	
Part number	Colour	CCT	Intensity lm/m	EEC
FPS-H01D-500	 warm-white	2600-2800°K	420	G
FPS-N01D-500	 warm-white	2800-3500°K	468	F
FPS-S01D-500	 natural-white	3800-5000°K	498	F
FPS-W01D-500	 cold-white	5500-7000°K	498	F

the reduction of light output for IP67 products is about -15%, due to silicone acting as a filter.

### Dimensions



Thickness: 5.9mm  
 Thickness endings: 6.8mm  
 DC-Power Jack: internal Ø 2.1mm / external Ø: 5.5mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

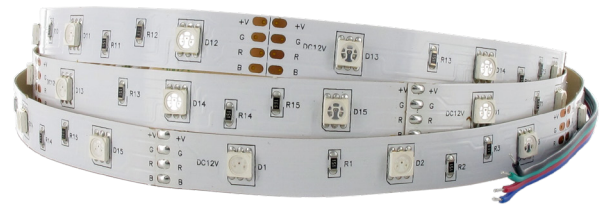
## Flexiprint IP20

5060 PLCC6, RGB, high bright

**FP-F01B-500**

### Specifications




Voltage	12V
Current	3 x 1A
Wattage	7.2W/m (3 x 2.4W/m)
Number of LEDs	150pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



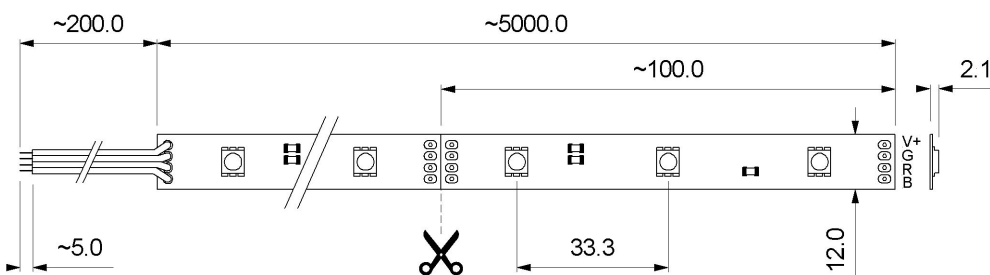
### Benefits

Adhesive tape on backside  
Cuttable every ~100mm

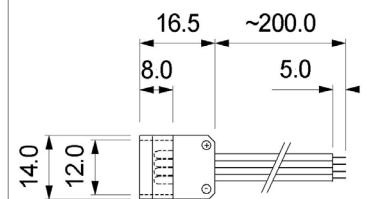
### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FP-F01B-500	 red	620nm	58
	 green	520nm	123
	 blue	470nm	26

### Dimensions



### Additional



Quick connector for a solderless connection with the LED stripe.  
Part-no.: SLO-C310-00006  
(details on page 47)

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**



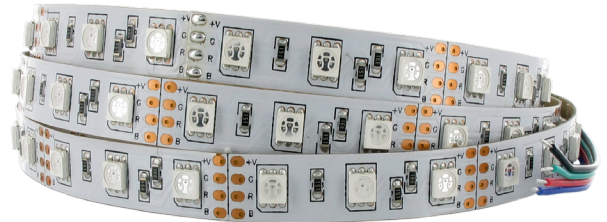
## Flexiprint IP20

5060 PLCC6, RGB, high bright

**FP-F02B-250**

### Specifications




Voltage	12V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	150pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



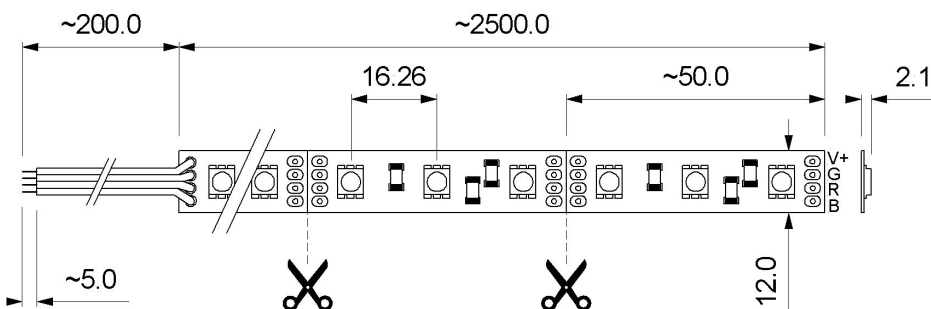
### Benefits

Adhesive tape on backside  
Cutttable every ~50mm

### Electrical and optical characteristics (Ta=25°C)

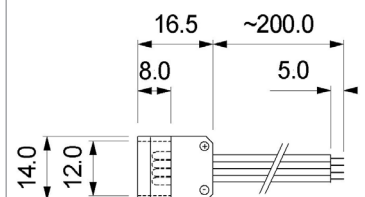
Part number	Colour	Wavelength	Intensity lm/m
FP-F02B-250	 red	620nm	115
	 green	520nm	245
	 blue	470nm	51

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance  $\pm 1\%$
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

### Additional



Quick connector for a solderless connection with the LED stripe.  
Part-no.: SLO-C310-00006  
(details on page 47)

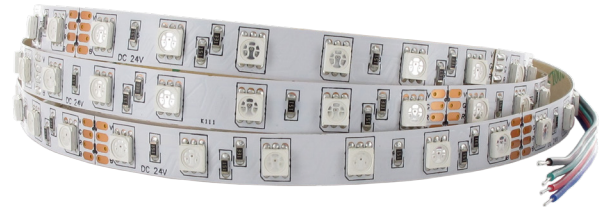
## Flexiprint IP20

5060 PLCC6, RGB, high bright

**FP1-F02D-500**

### Specifications




Voltage	24V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



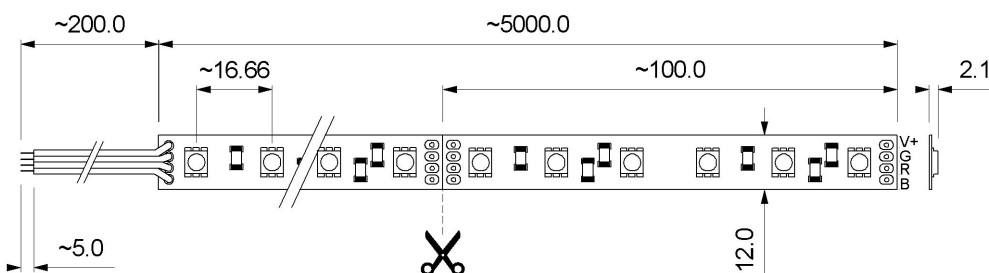
### Benefits

Adhesive tape on backside  
Cutttable every ~100mm

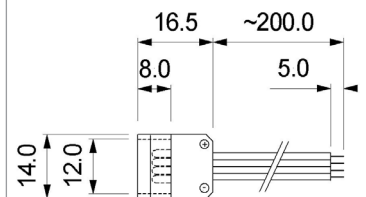
### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FP1-F02D-500	 red	620nm	115
	 green	520nm	245
	 blue	470nm	51

### Dimensions



### Additional



Quick connector for a solderless connection with the LED stripe.  
Part-no.: SLO-C310-00006  
(details on page 47)

Sloan\_03\_GK\_LED-Modules\_23B

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint IP20

5060 PLCC6 & 2835, RGBW, high bright

**FP1-Fx02D-250**

### Specifications









Voltage	24V
Current	2.4A (3 x 0.4A, 1 x 1.2A)
Wattage	23W/m (3 x 3.84W/m, 1 x 11.5W/m)
Number of LEDs	240pcs (1 x 120 RGB, 1 x 120 white)
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	



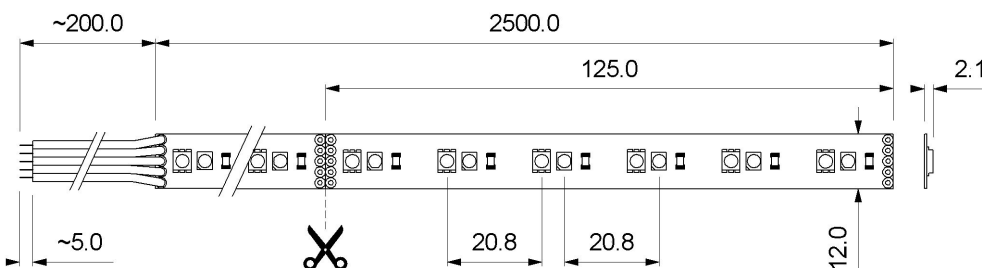
### Benefits

Adhesive tape on backside  
Cutttable every ~125mm

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength / CCT	Intensity lm/m	EEC
FP1-FN02D-250	 red	620nm	92	F
	 green	520nm	196	
	 blue	470nm	41	
	 warm-white	2800-3500K	1296	
FP1-FW02D-250	 red	620nm	92	F
	 green	520nm	196	
	 blue	470nm	41	
	 cold-white	5500-7000K	1344	

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance  $\pm 1\%$
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

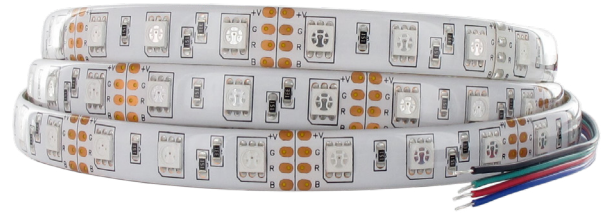
## Flexiprint silicone IP64

5060 PLCC6, RGB, high bright

**FPL-F02B-250**

### Specifications

Voltage	12V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	150pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	






### Benefits

Adhesive tape on backside

### About IP64

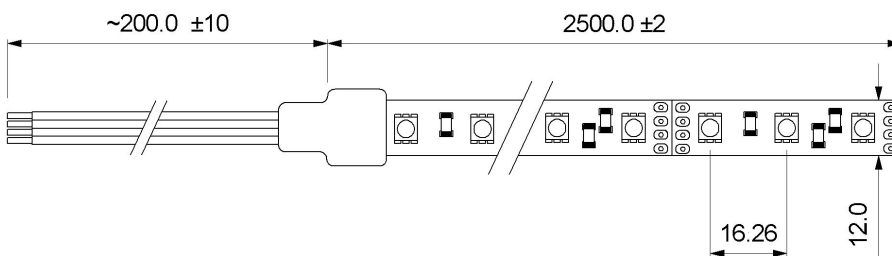
Splash proof from all directions.  
 Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
 No protection against UV, salt water/smog and chlorine!  
 IP protection is no longer applicable after cutting!  
 Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FPL-F02B-250	 red	620nm	115
	 green	520nm	245
	 blue	470nm	51

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter

### Dimensions



Thickness: 3mm +1  
 Thickness endings: 4mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP64

5060 PLCC6, RGB, high bright

**FPL-F02D-500**

### Specifications

Voltage	24V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	






### Benefits

Adhesive tape on backside

### About IP64

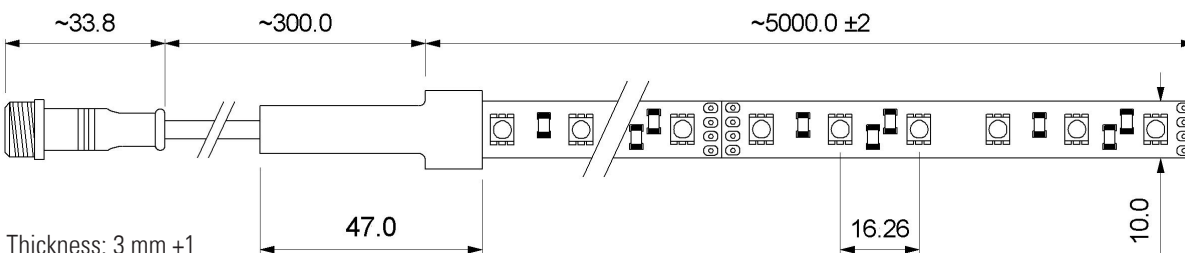
Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FPL-F02D-500	 red	620nm	115
	 green	520nm	245
	 blue	470nm	51

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter.

### Dimensions



Thickness: 3 mm +1  
Thickness endings: 4 mm  
250 mm 4pol adapter cable included

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

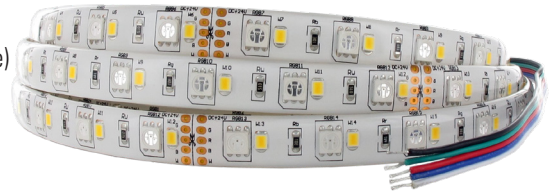
## Flexiprint silicone IP64

5060 PLCC6 & 2835, RGBW, high bright

## FPL-Fx02D-250

### Specifications

Voltage	24V
Current	2.4A (3 x 0.4A, 1 x 1.2A)
Wattage	23W/m (3 x 3.84W/m, 1 x 11.5W/m)
Number of LEDs	240pcs (1 x 120pcs RGB, 1 x 120pcs white)
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	











### Benefits

Adhesive tape on backside

### About IP64

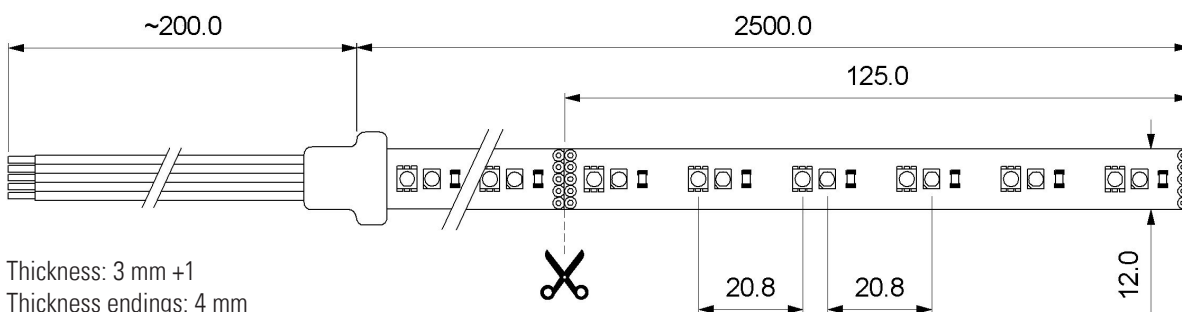
Splash proof from all directions.  
Test requirements according to IEC 60598-1 (9.2.5) for 20Min.  
No protection against UV, salt water/smog and chlorine!  
IP protection is no longer applicable after cutting!  
Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength / CCT	Intensity lm/m	EEC
FPL-FN02D-250	 red	620nm	92	F
	 green	520nm	196	
	 blue	470nm	41	
	 warm-white	2800-3500K	1296	
FPL-FW02D-250	 red	620nm	92	F
	 green	520nm	196	
	 blue	470nm	41	
	 cold-white	5500-7000K	1344	

the reduction of light output for IP64 products is about -10%, due to silicone acting as a filter.

### Dimensions



Thickness: 3 mm +1  
Thickness endings: 4 mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP67

5060 PLCC6, RGB, high bright

**FPS-F01B-500**

### Specifications

Voltage	12V
Current	3 x 1A
Wattage	7.2W/m (3 x 2.4W/m)
Number of LEDs	150pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	






### Benefits

Adhesive tape on backside

### About IP67

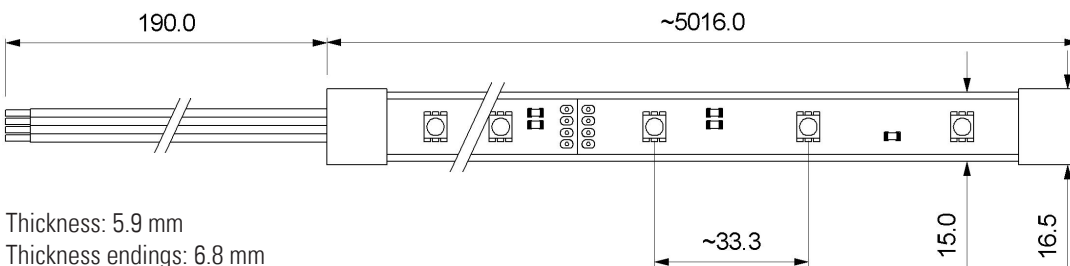
Waterproof for temporary immersion in water.  
 Test requirements according to IEC 60598-1 (9.2.8) under a max. depth of 1m for 30Min.  
 No protection against UV, salt water/smog and chlorine!  
 IP protection is no longer applicable after cutting!  
 Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FPS-F01B-500	 red	620nm	58
	 green	520nm	123
	 blue	470nm	26

the reduction of light output for IP67 products is about -15%, due to silicone acting as a filter.

### Dimensions



1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**



## Flexiprint silicone IP67

5060 PLCC6, RGB, high bright

**FPS-F02B-250**

### Specifications

Voltage	12V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	150pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	






### Benefits

Adhesive tape on backside

### About IP67

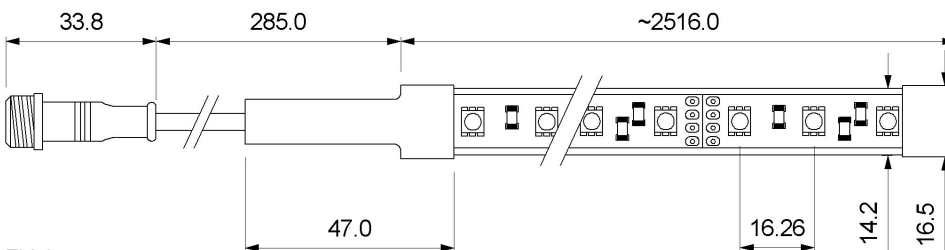
Waterproof for temporary immersion in water.  
 Test requirements according to IEC 60598-1 (9.2.8) under a max. depth of 1m for 30Min.  
 No protection against UV, salt water/smog and chlorine!  
 IP protection is no longer applicable after cutting!  
 Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m
FPS-F02B-250	 red	620nm	115
	 green	520nm	245
	 blue	470nm	51

the reduction of light output for IP67 products is about -15%, due to silicone acting as a filter.

### Dimensions



Thickness: 5.9 mm  
 Thickness endings: 6.8 mm  
 250 mm 4pol adapter cable included

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Flexiprint silicone IP67

5060 PLCC6, RGB, high bright

**FPS-F02D-500**

### Specifications

Voltage	24V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	






### Benefits

Adhesive tape on backside

### About IP67

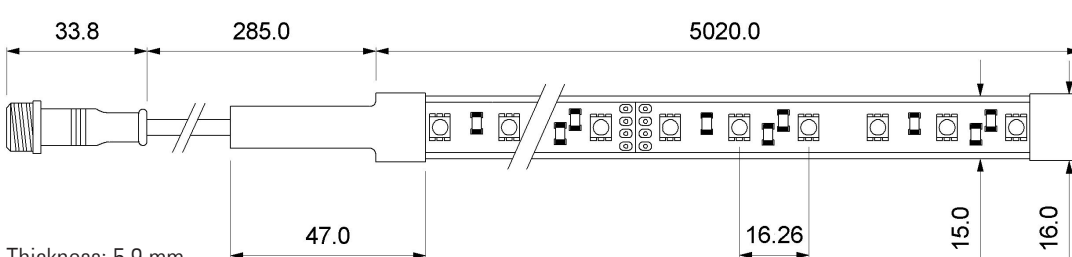
Waterproof for temporary immersion in water.  
 Test requirements according to IEC 60598-1 (9.2.8) under a max. depth of 1m for 30Min.  
 No protection against UV, salt water/smog and chlorine!  
 IP protection is no longer applicable after cutting!  
 Cable/connector meets only IP64 protection!

### Electrical and optical characteristics (Ta=25°C)

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FPS-F02D-500	 red	620nm	115
	 green	520nm	245
	 blue	470nm	51

the reduction of light output for IP67 products is about -15%, due to silicone acting as a filter.

### Dimensions



Thickness: 5.9 mm  
 Thickness endings: 6.8 mm  
 250 mm 4pol adapter cable included

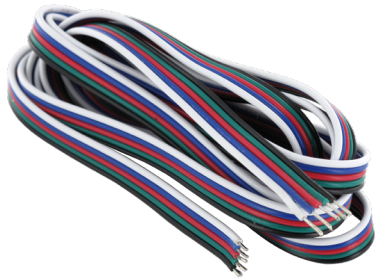
1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm<sup>2</sup> AWG #24
4. Specifications are subject to change without notice

Please also take note of our **General Information for Flexiprint and LED Modules**

## Cable & Connectors

	<p><b>Part-No.:</b> SLO-7111-00001</p>	<p><b>Old Part-No.:</b> 116 02 003</p>	<p><b>Cable with DC-Power</b> Internal Ø: 2.1mm External Ø: 5.5mm Cable length: 1.12m Cable colour: white</p>
	<p>SLO-7111-00004</p>	<p>116 02 015</p>	<p><b>DC-Power Plug</b> Internal Ø: 2.1mm External Ø: 5.5mm Cable length: 100mm Cable colour: transparent</p>
	<p>SLO-7111-00005</p>	<p>116 02 016</p>	<p><b>DC-Power Jack</b> Internal Ø: 2.1mm External Ø: 5.5mm Cable length: 100mm Cable colour: transparent</p>
	<p>SLO-7111-00003</p>	<p>116 02 009</p>	<p><b>Cable with DC-Power</b> Internal Ø: 2.1mm External Ø: 5.5mm Cable length: 1.2m Cable colour: transparent</p>
	<p>SLO-7111-00002</p>	<p>116 02 004</p>	<p><b>Cable with DC-Power</b> Internal Ø: 2.1mm External Ø: 5.5mm Cable length: 10m Cable colour: transparent</p>

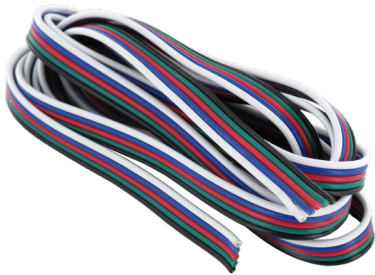
## Cable & Connectors



**Part-No.:** SLO-7000-00004  
**Old Part-No.:** 116 00 053

### 5-pol cable for RGBW

Dimension: 5 x AWG24 (0.2mm<sup>2</sup>)  
Cable length: 1.5m  
Cable colour: black/green/red/blue/white  
Cable end: tinned



SLO-7000-00003 116 00 053-1

### 5-pol cable for RGBW

Dimension: 5 x AWG24 (0.2mm<sup>2</sup>)  
Cable length: cut to desired meters  
Cable colour: black/green/red/blue/white



SLO-7000-00005 116 00 012

### 4-pol cable for RGB

Dimension: 4 x 0.5mm<sup>2</sup>  
Cable length: 2m  
Cable colour: white  
Cable end: sleeves/tinned



SLO-7000-00006 116 00 012-1

### 4-pol cable for RGB

Dimension: 4 x 0.5mm<sup>2</sup>  
Cable length: cut to desired meters  
Cable colour: white

## Cable & Connectors

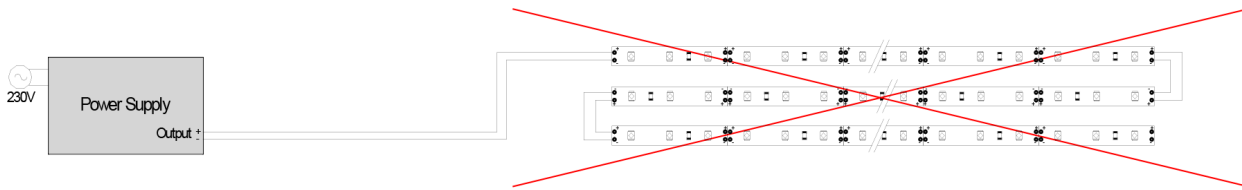
	<b>Part-No.:</b> SLO-7110-00001 <b>Old Part-No.:</b> 116 02 006	<b>Main cable, 220/240 V connection</b> Connector: with Schuko plug Length: 2m
	<b>Part-No.:</b> SLO-7110-00003 <b>Old Part-No.:</b> 116 02 008	<b>Main cable, 220/240 V connection</b> Connector: with Swiss T13 plug Length: 1.8m
	<b>Part-No.:</b> SLO-7110-00002 <b>Old Part-No.:</b> 116 02 007	<b>Main cable, 220/240 V connection</b> Connector: with 2-pin Euro plug Length: 1.8m
	<b>Part-No.:</b> SLO-7013-00001 <b>Old Part-No.:</b> 116 00 056	<b>5-pol cable for RGBW</b> Dimension: 4 x 0.5mm <sup>2</sup> , 1 x 0.75mm <sup>2</sup> Diameter: 6.4mm +/-0.3 Cable length: cut to desired meters Cable colour: green/red/blue/white/white-purple Special properties: halogen-free
	<b>Part-No.:</b> SLO-C310-00001 SLO-C310-00003 SLO-C310-00004 <b>Old Part-No.:</b> 116 02 017 116 02 018 116 02 019	<b>Quick connector for single-colour LED strip</b> Dimension: -00001 for 8mm width LED strip -00003 for 10mm width LED strip -00004 for 12mm width LED strip Stranded wire: 200mm Wire colour: red/black Current: max. 2A
	<b>Part-No.:</b> SLO-C310-00005 SLO-C310-00006 <b>Old Part-No.:</b> 116 02 020 116 02 021	<b>Quick connector for RGB LED strip</b> Dimension: -00005 for 10mm width LED strip -00006 for 12mm width LED strip Stranded wire: 200mm Wire colour: blue/red/green/black Current: max. 4A

# Wiring instructions

## Single colour wiring



do not connect like this

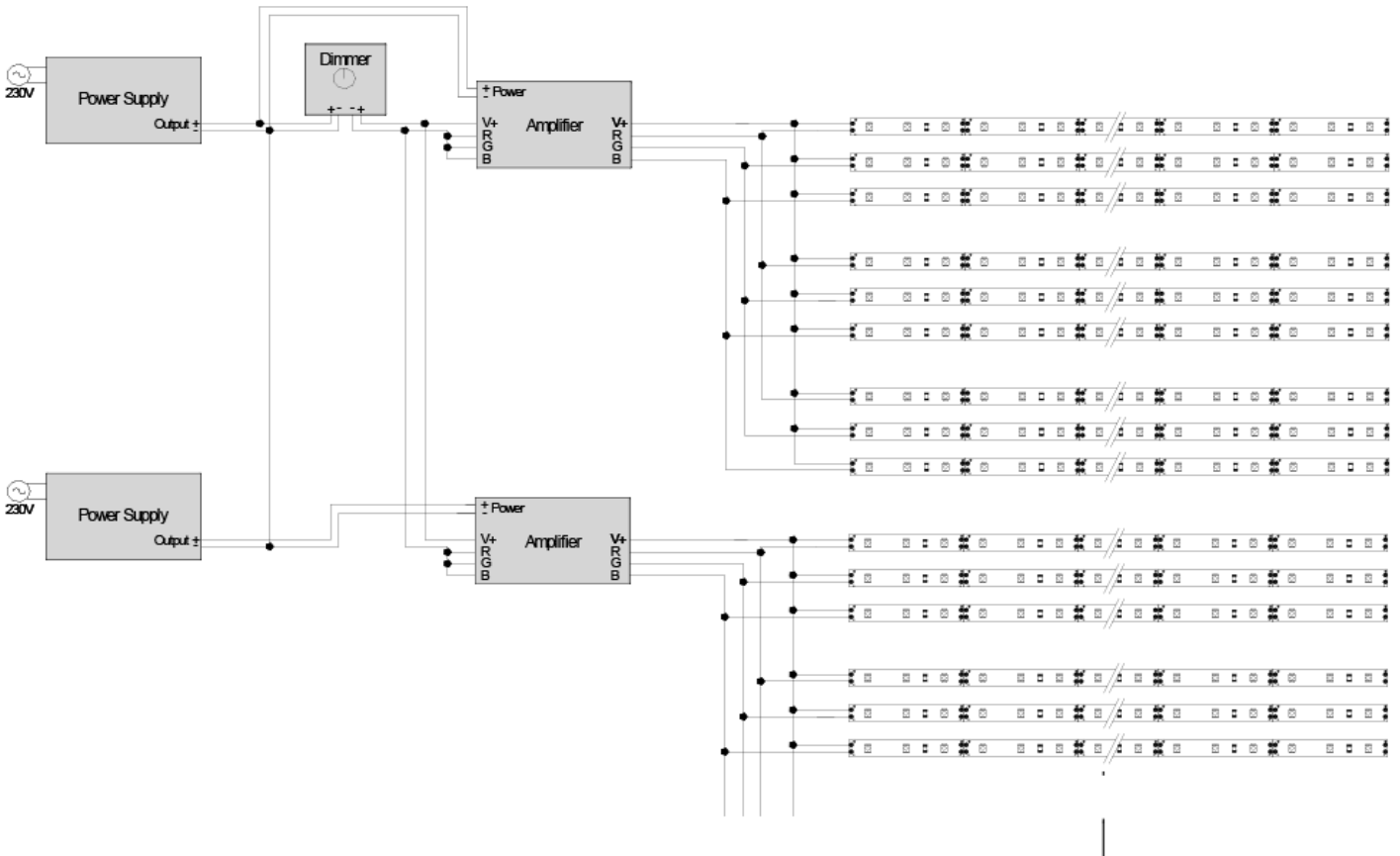


## Single colour wiring with manual dimer

for up to 3 reels

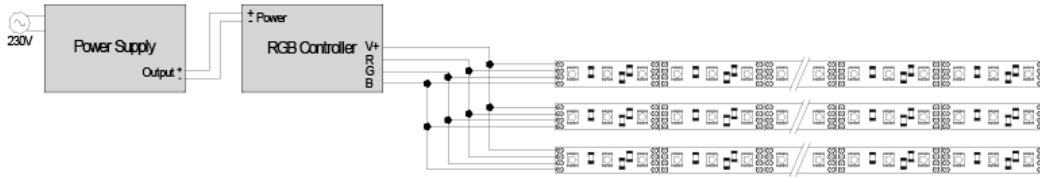


for more than 3 reels (multi power supply)

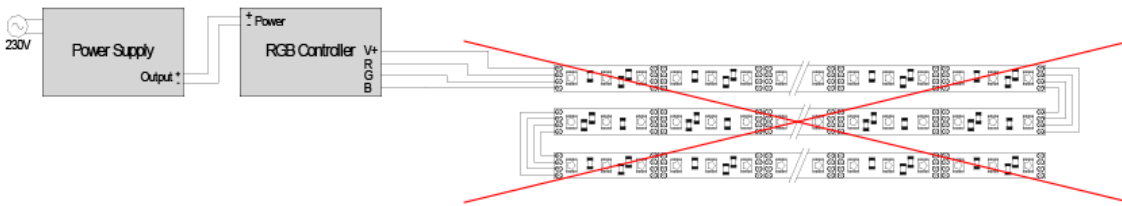


## Full colour wiring

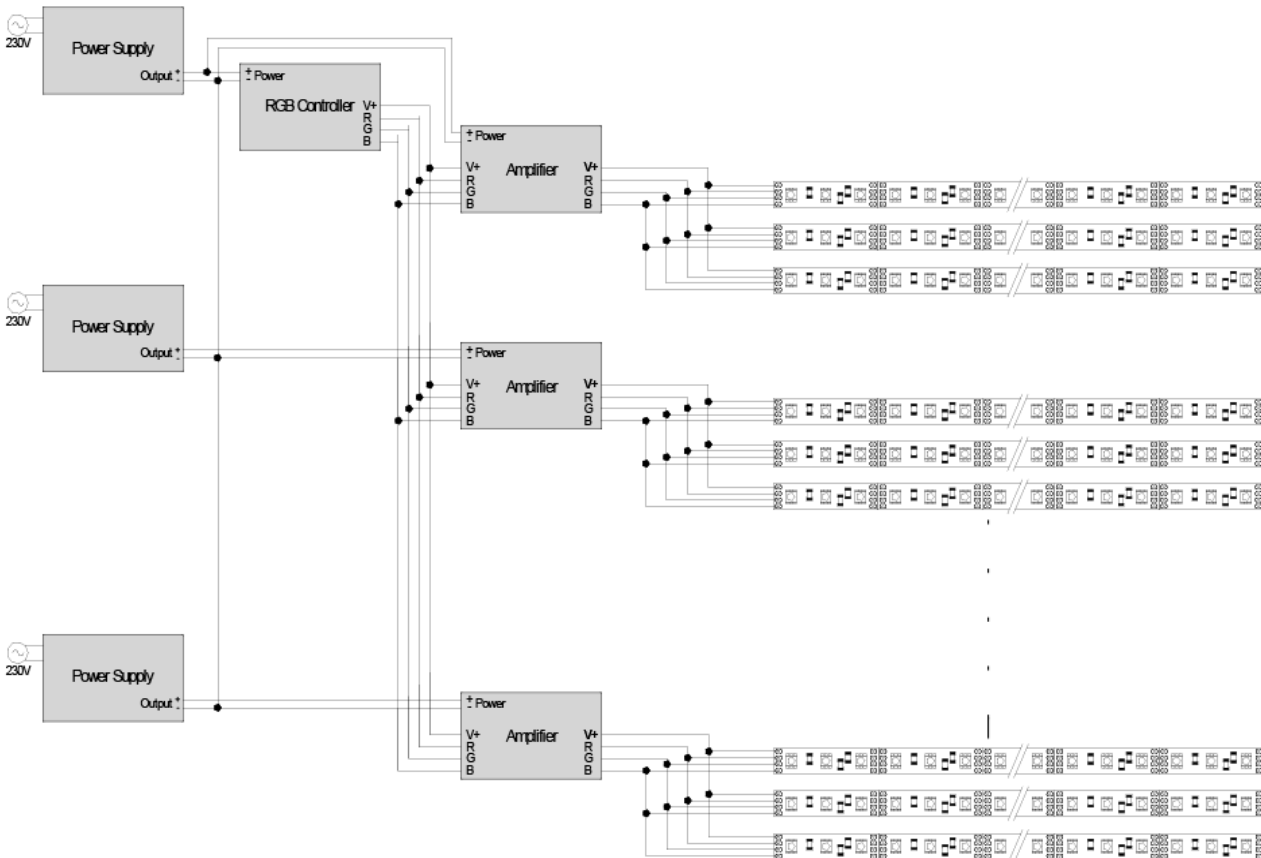
for up to 3 reels



do not connect like this

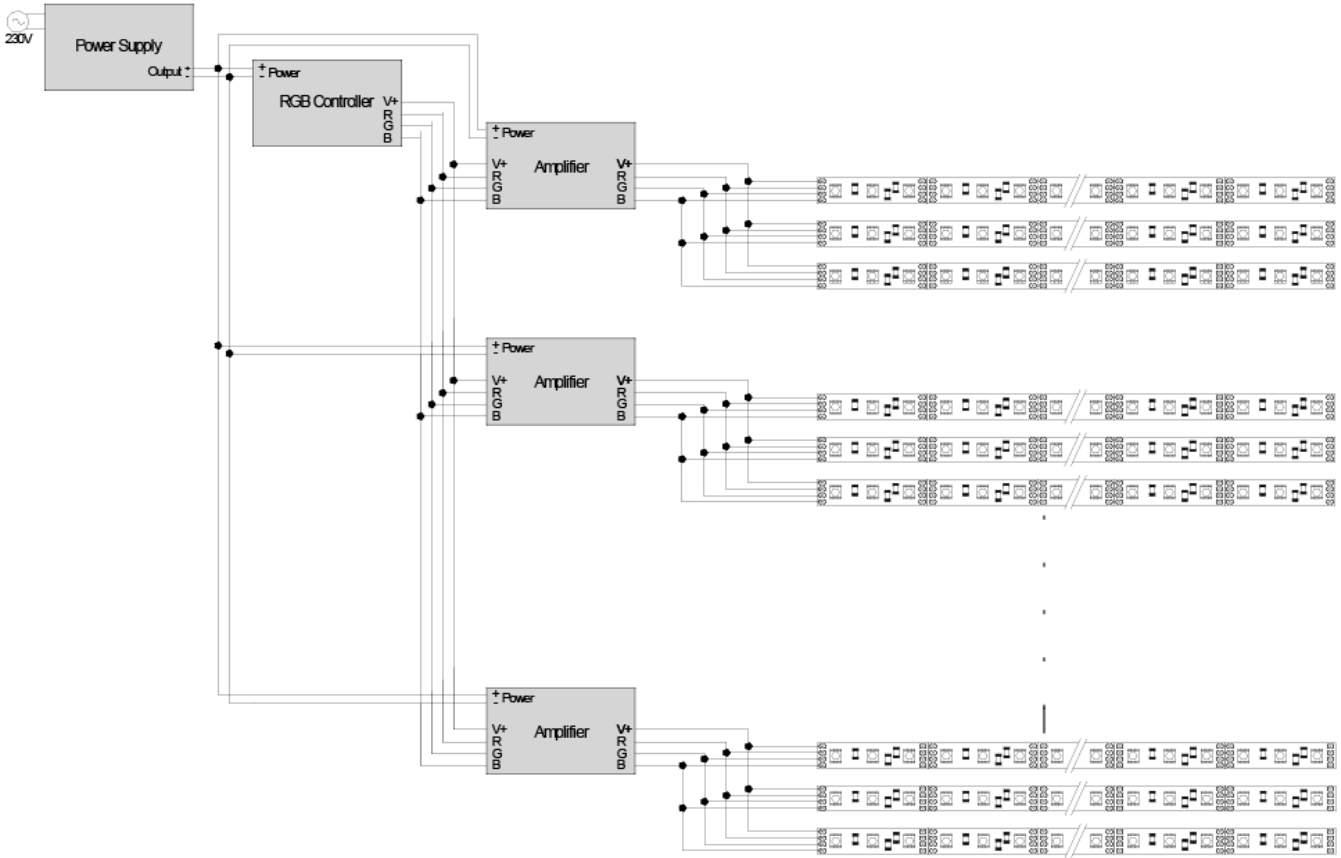


for more than 3 reels (multi power supply)

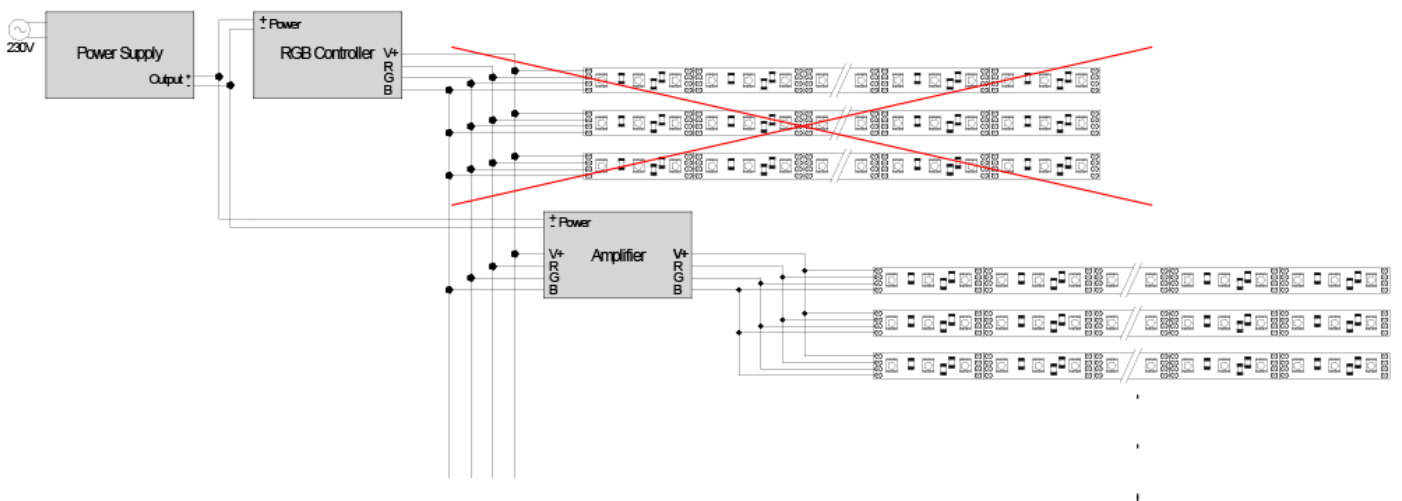




for more than 3 reels (multi power supply)



do not connect like this



## General Information for Flexiprint and LED Modules

### Basic information

- Only use rated input voltage of DC12V  $\pm 5\%$  or of DC24V  $\pm 5\%$  with these Flexiprint and LED modules.
- Use in an environment with humidity of 30-80% and within the temperature range specified.
- For indoor use only; not to be used in an environment with humidity above 80%, not to be used in direct sunlight.
- IP64, IP67 and IP68 Flexiprint will lose waterproof-protection after being cut.
- The Flexiprint can not be used in an environment with acid and/or alkali.
- Not suitable for ultraviolet bath
- All Flexiprint got MSL 3

### Colour offset for IP64, IP67 and IP68 with silicone cover

- The indicated colour temperature of the IP64, IP67 and IP68 Flexiprint is determined by the colour temperature of the built in LEDs. The emitted colour of the IP64, IP67 and IP68 Flexiprint will differ from the indicated colour due to the silicone cover over the LEDs acting as a filter. The emitted colour will tend to be colder than the indicated colour, in other words the light colour will have a stronger blue spectrum than indicated. The effective resulting colour output is furthermore influenced by temperature, humidity, thickness of silicone cover and the colour temperature of the built-in LED. Since there are many factors determining the effective colour output, the effective emitted colour can only be defined in a rough range:

Colour specification of the LED	Effective emitted colour with silicone cover
H = 2600-2800°K	~2900-3400°K
N = 2800-3100°K	~3800-4500°K
S = 3800-5000°K	~5000-7000°K
W = 5500-6700°K	~8000-13000°K

### Brightness offset for IP64, IP67 and IP68 with silicone cover

- The indicated brightness of the IP64, IP67 and IP68 Flexiprint is determined by the brightness of the built in LEDs. The effective emitted brightness will be different for IP64, IP67 and IP68, due to silicone acting as a filter. The reduction of light output for IP64 products is about ~10%, for IP67 and IP68 products about ~15%.

### Installation guidelines

- Only a professional and qualified electrician is allowed to install, repair and connect Flexiprint and LED modules.
- ESD safety has to be ensured when handling and installing LED products.
- Cut Flexiprint only at cut markings.
- Do not edge-bend or overbend and do not repeatedly bend Flexiprint products. The allowed bending radius for Flexiprint in IP20 is min. 30mm, for IP64 is min. 60mm, for IP67 and IP68 is min. 100mm.
- Flexiprint have to be installed on a clean, even and solid heat dissipative surface, e.g. an aluminium profile. Do not cover the Flexiprint. The operating temperature of an installation has to be kept within the specified temperature range in order to ensure normal lifetime and performance of the LED products. Do not install Flexiprint directly on wood, plastic, paint or any flammable surface. If the heat dissipation is insufficient the Flexiprint will get damaged by overheating and may even start to burn.
- Choose the appropriate power supply according to the voltage and power consumption of the LED strips in use. The input voltage has to be in conformance with the working voltage of the strip. If the input voltage is higher than the actual working voltage, it will damage the power supply or the Flexiprint, if the input voltage is lower, the performance of the strip will be poor and the brightness may be reduced. We suggest to choose a power supply which has a load of maximum 75-80% of its rated power capacity. If the power supply has loaded rated watts at the same level as the strip has its working power, an overload may occur which will shorten the driver lifespan or excessive heating may burn the driver and even the Flexiprint.
- Mode of connection: with standard single color products, the red wire indicates the positive pole, the black wire the negative pole; with RGB and RGBW products, the black wire indicates the positive pole, and the red/green/blue/white wire indicate the corresponding LED chip color.
- Do not connect several Flexiprint in a row (serial connection). Serial connection may cause voltage drop which will result in an unequally distributed light output (beginning of strip is brighter than the end) and may cause the strip to overheat and start to burn. In order to use more strips in one installation, connect strips in parallel. Refer to the wiring instructions for a parallel LED strip installation.
- Do not touch the LED products while it is powered on.
- Turn off the power in case of any failure. Do not power-on the installation before having it verified by a professional electrician.
- The LED products in this catalogue are electronic components and not finished products. The installer and/or user is responsible that the installed application is in compliance with all relevant and applicable regulations. The installed product has to be protected from any accidental contact.

## Major application fields:

### **Automotive/Special vehicles:**

Warning lights, emergency indicators, car immobilizing systems, car factory automation.

Blue LED flashers for Police cars, Diplomacy cars, special forces vehicles.

### **Consumer electronics:**

Microwave ovens, toasters, coffee machines, Irons, refrigerators.

### **Industrial controls / Traffic controls:**

Panel indicators, elevators, photo-processing darkroom lights, traffic control, railway track diagram indicators, power stations.

LED clusters for railway use.

### **Telecommunication:**

PCB line indicators, status indicators, portable communication equipment.

### **Defence:**

Tank/tank missiles, combat aircrafts, mine detectors warning lights, submarine engine control, fire coordination systems for tanks.

28 NATO Numbers.

NATO Manufacturer Code S3643.

French Army „GAM T1“ listed.

### **Aviation:**

Commercial and military, cockpit lights, stewardess call systems.

### **Security:**

Safety control panels surveillance, emergency lights.

### **Medical:**

Fault indicators, sealed indicators for surgery equipment,

blood analyser, nurse-call systems, dentist equipment.

**We strive to be a Total Quality company that anticipates and responds to our customer's needs, continuously improving our products and processes.**



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