

FLEXIPRINT**LED flexi-print with SMD LED's**

Due to the flexible circuit board, which has on its back a heat-resistant 3M adhesive tape, huge or small semi-diameters can be realized. The beam angle of the LED's is 120°.

Application: Architectural Illumination
Cabinet Lighting/Show-Case
Back Lighting
Illumination of complex structures

Benefits: 12V low voltage source
Low mounting height
Easy mounting with adhesive tape
Easy cutting every 3 LED



Stripe Length 200mm

Part-Number	Colour	Wavelength nm	Voltage V	Current A	Intensity lm	Number of LED's	Drawing No
FP-B01B-020	blue	472	12	0.08	9.6	12	1
FP-G01B-020	green	525	12	0.08	22	12	1
FP-R01B-020	red	639	12	0.08	12	12	1
FP-N01B-020	warmwhite	3200°-3500°K	12	0.08	32-40	12	1
FP-W01B-020	white	6500°-7500°K	12	0.08	40-44	12	1
FP-Y01B-020	yellow	590	12	0.08	16	12	1
FP-F01B-020	red	639	12	0.04	6	6	2
	green	525	12	0.04	11	6	
	blue	472	12	0.04	5	6	

Operating Temp. -25° ~ +60°C / Storage Temp. -40° ~ +80°C

Stripe Length 1000mm

Part-Number	Colour	Wavelength nm	Voltage V	Current A	Intensity lm	Number of LED's	Drawing No
FP-B01B-100	blue	472	12	0.4	48	60	1
FP-G01B-100	green	525	12	0.4	110	60	1
FP-R01B-100	red	639	12	0.4	60	60	1
FP-N01B-100	warmwhite	3200°-3500°K	12	0.4	160-200	60	1
FP-W01B-100	white	6500°-7500°K	12	0.4	200-220	60	1
FP-Y01B-100	yellow	590	12	0.4	80	60	1
FP-F01B-100	red	639	12	0.2	30	30	2
	green	525	12	0.2	55	30	
	blue	472	12	0.2	24	30	

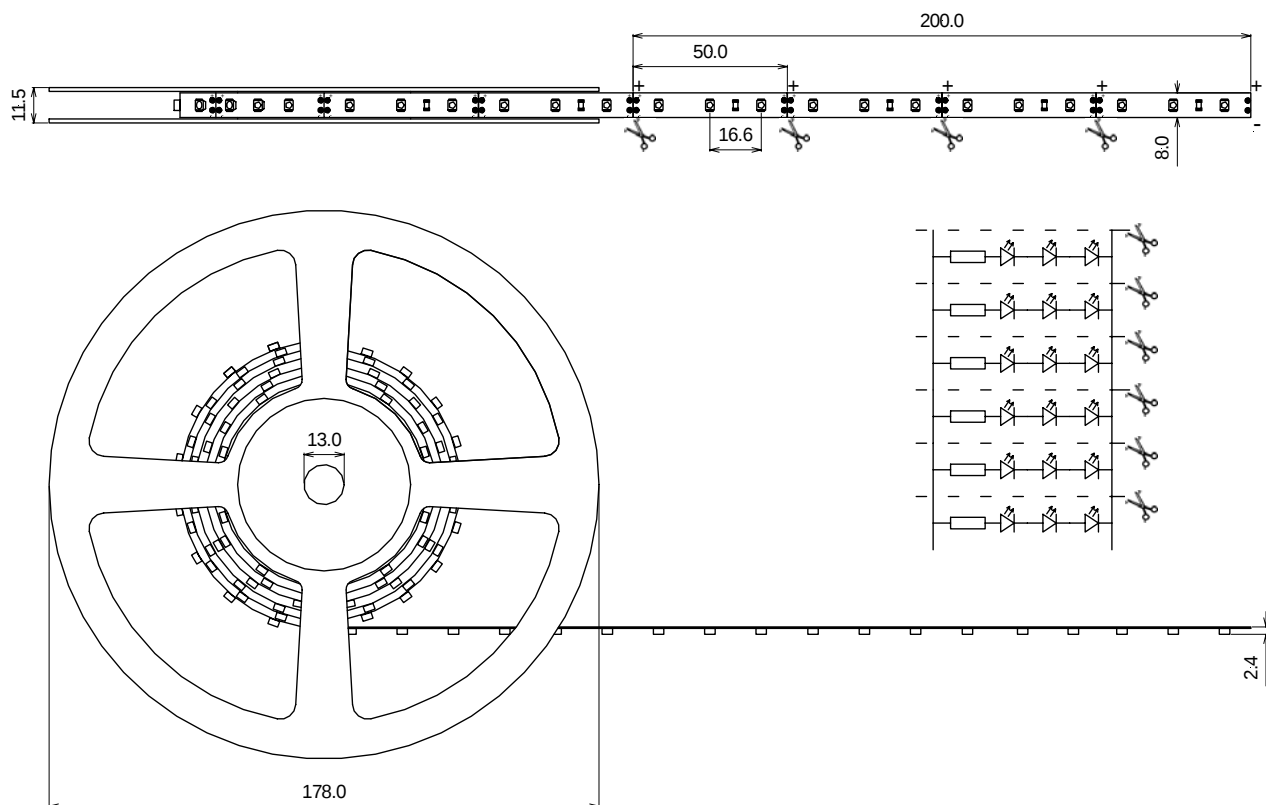
Operating Temp. -25° ~ +60°C / Storage Temp. -40° ~ +80°C

Stripe Length 5000mm (1 reel)

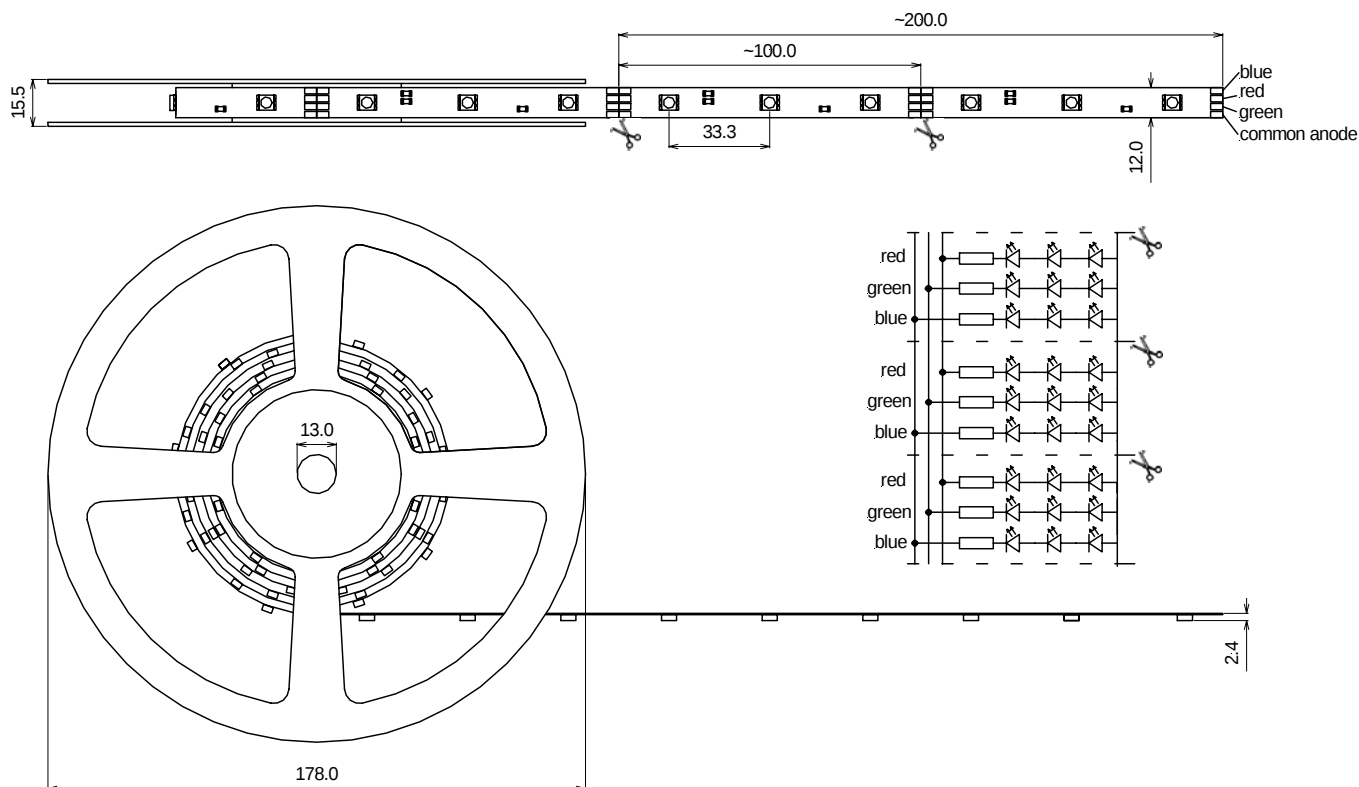
Part-Number	Colour	Wavelength nm	Voltage V	Current A	Intensity lm	Number of LED's	Drawing No
FP-B01B-500	blue	472	12	2.0	240	300	1
FP-G01B-500	green	525	12	2.0	550	300	1
FP-R01B-500	red	639	12	2.0	300	300	1
FP-N01B-500	warmwhite	3200°-3500°K	12	2.0	800-1000	300	1
FP-W01B-500	white	6500°-7500°K	12	2.0	1000-1100	300	1
FP-Y01B-500	yellow	590	12	2.0	400	300	1
FP-F01B-500	red	639	12	1.0	150	150	2
	green	525	12	1.0	275	150	
	blue	472	12	1.0	120	150	

Operating Temp. -25° ~ +60°C / Storage Temp. -40° ~ +80°C

Drawing No 1.



Drawing No 2



- All dimensions are in millimetres.
- Tolerance is ± 0.25 mm unless otherwise specified.
- Specifications are subject to change without notice

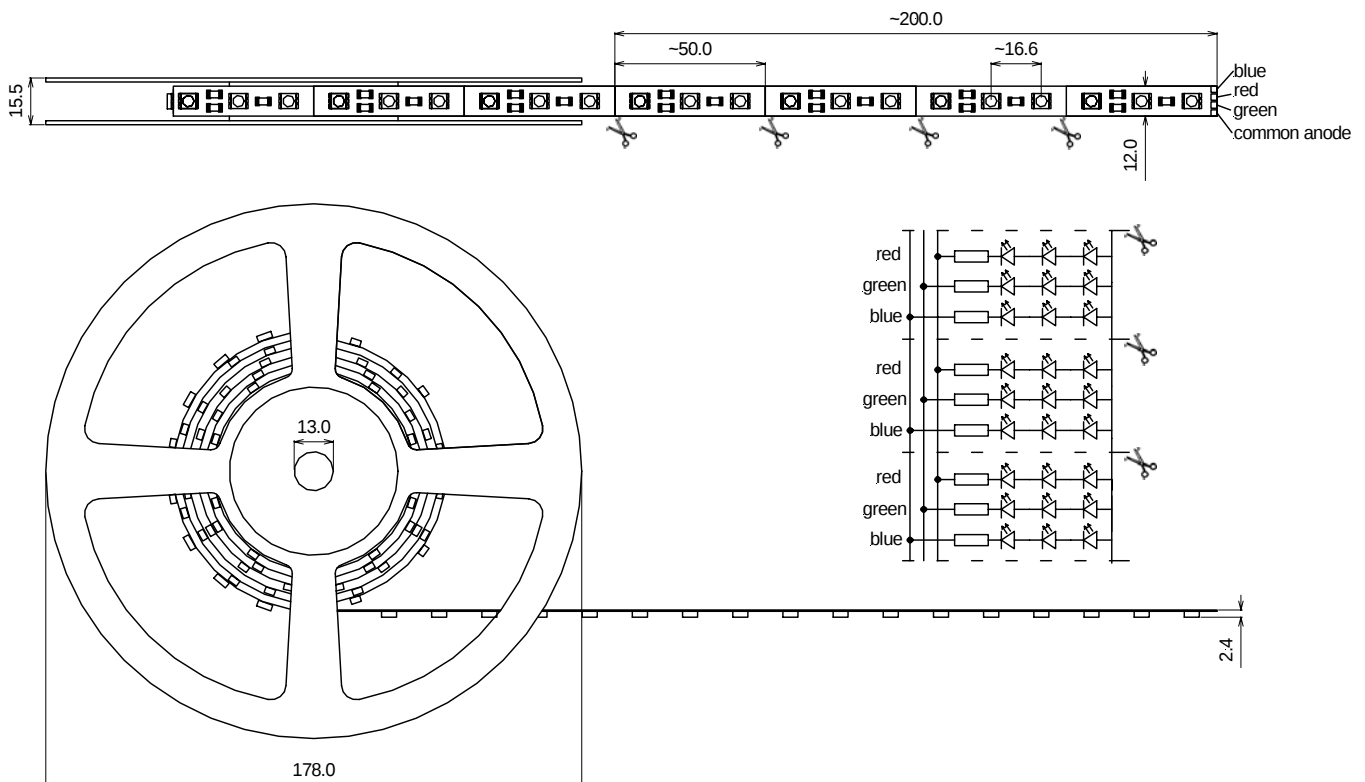
RGB-FLEXIPRINT, Length 2.5meter
Part-Number: FP-F02B-250

Electrical / Optical Characteristics Ta=25°C

Parameter	Symbol	Colour	Condition	Min.	Typ.	Max.	Unit
Forward Voltage DC	V_F	RGB	$I_F = 3A$	-	12	-	V
Dominant Wavelength	λ_D	R	$I_F = 1A$	621	624	-	nm
		G	$I_F = 1A$	515	518	-	nm
		B	$I_F = 1A$	469	471	-	nm
Dominant Wavelength	λ_D	R	$I_F = 1A$	-	90	-	lm
		G	$I_F = 1A$	-	375	-	lm
		B	$I_F = 1A$	-	100	-	lm
Recommend Forward Current	$I_{F(rec)}$	-	-	-	3	-	A

Absolute Maximum Ratings Ta=25°C

Parameter	Symbol	Value	Unit
Forward Current	I_F	3000	mA
Power Dissipation	P_d	36	W
Operating Temperature	T opr	-25° - +60°	C
Storage Temperature	T stg	-40° - +80°	C

Technical Drawing


- All dimensions are in millimetres.
- Tolerance is $\pm 0.25\text{mm}$ unless otherwise specified.
- Specifications are subject to change without notice
- Tolerance of luminous intensity $\pm 15\%$

Power Supply

	P / N: 117 00 000	Power Supply 12V / 2.5A Input: 230VAC / 50Hz Output: 12VDC / 2.5A Terminal: DC-Jack $\varnothing_{\text{internal}} = 2.1\text{mm}$ (female) $\varnothing_{\text{external}} = 5.5\text{mm}$
	P / N: 117 00 001	Power Supply 12V / 5.0A Input: 230VAC / 50Hz Output: 12VDC / 5.0A Terminal: DC-Jack $\varnothing_{\text{internal}} = 2.1\text{mm}$ (female) $\varnothing_{\text{external}} = 5.5\text{mm}$

RGB Controller

	P / N: 117 03 000	RGB Controller (incl. Remote & Batterie) Input: 12VDC Terminal: DC-Jack $\varnothing_{\text{internal}} = 2.1\text{mm}$ (male) $\varnothing_{\text{external}} = 5.5\text{mm}$ Output: 12VDC / max. 10A Remote: RC (radio control)
	P / N: 117 03 001	RGB Amplifier Input: 12VDC / 50Hz Terminal: Screw or DC-Jack $\varnothing_{\text{internal}} = 2.1\text{mm}$ $\varnothing_{\text{external}} = 5.5\text{mm}$ Output: 12VDC / max. 10A Terminal: Screw
	P / N: 117 03 002	RGB Controller with DMX Input: 12V / 24VDC Terminal: Screw Output: 12V / 24VDC / max. 15A Terminal: Screw Remote: IR (infrared)

Dimmer

	P / N: 117 03 005	Dimmer manuel, Single colour for Flexiprint Input: 12VDC Terminal: Screw Output: 12VDC / 8A Terminal: Screw
	P / N: 117 03 006	Dimmer manuel, RGB for Flexiprint Input: 12VDC Terminal: Screw Output: 12VDC / 3 x 3A Terminal: Screw

Accessories

	P / N: 107 00 017	DC-Power Jack male Internal Ø: 2.1mm External Ø: 5.5mm Cable max. Ø: 4.2mm
	P / N: 116 02 000	DC-Power Jack male with cable Internal Ø: 2.1mm External Ø: 5.5mm Cable Length: 1 meter Center Contact: Anode (+) Brown wire