LED Module

LED Module
Modules LED

SLOAN
PRECISION OPTOELECTRONICS

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Flexiprint IP20

FP-x01B-500

3528 PLCC2, single colour, standard bright

Specifications

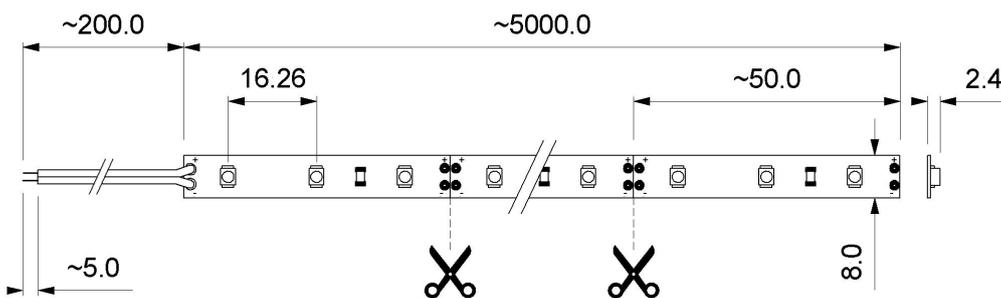|	
Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

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

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

~200.0 ~5000.0 16.26 ~50.0 2.4 ~5.0 8.0

Additional

16.5 ~200.0 8.0 5.0 14.0 8.0

Quick connector for a solderless connection with the LED stripe.
Part-no.: SLO-C310-00001
(details on page 36)

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

3528 PLCC2, single colour, standard bright

Specifications

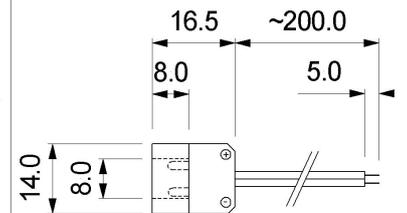|	
Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

Benefits

Adhesive tape on backside
Cuttable 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

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

~200.0   ~5000.0   2.4
~100.0
~5.0   16.26   8.0

Additional

16.5   ~200.0
8.0   5.0
14.0   8.0

Quick connector for a solderless
connection with the LED stripe.
Part-no.: SLO-C310-00001
(details on page 36)

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

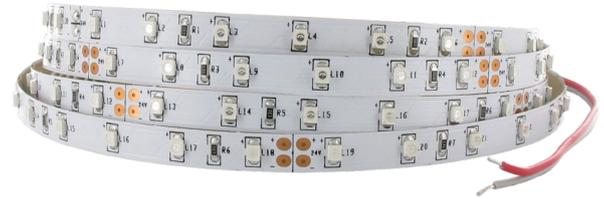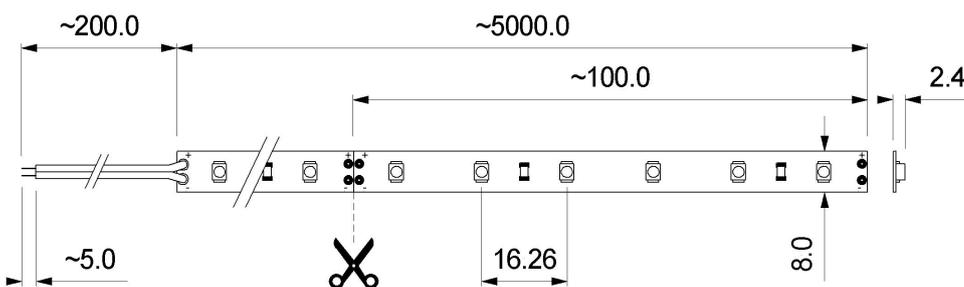Please also take note of our **General Information for Flexiprint and LED Modules**

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

FP-x02B-250

3528 PLCC2, single colour, standard bright, double density

Specifications

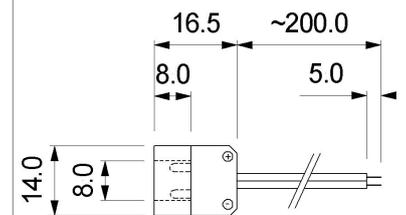|	
Voltage	12V
Current	2A
Wattage	9.6W/m
Number of LEDs	300pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

Benefits

Adhesive tape on backside
Cuttable every ~25mm

Electrical and optical characteristics (Ta=25°C)

Part number	Colour	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
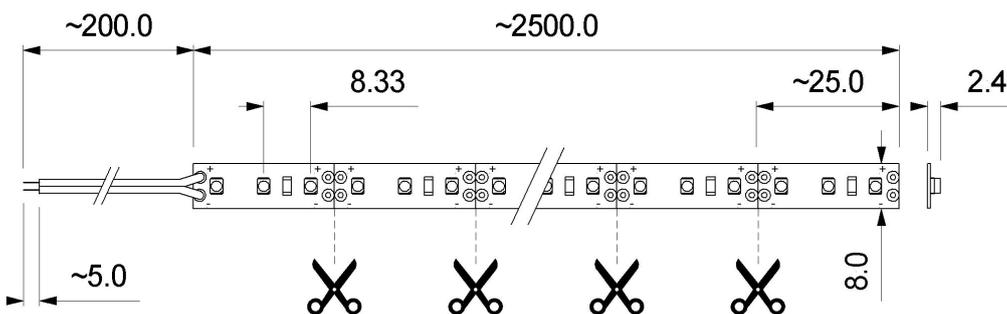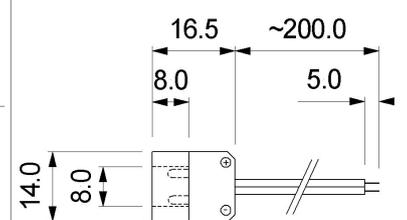
Dimensions

~200.0   ~2500.0   8.33   ~25.0   2.4
~5.0   8.0

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

Additional

16.5   ~200.0   8.0   5.0   14.0   8.0

Quick connector for a solderless connection with the LED stripe.
Part-no.: SLO-C310-00001
(details on page 36)

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

Sloan_03_GK_LED-Modules_26C

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-G02D-500	green	520nm	566
FP1-R02D-500	red	620nm	295

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

~200.0
~5000.0
8.33
~50.0
2.4
~5.0
8.0

Additional

16.5
~200.0
8.0
5.0
14.0
8.0

Quick connector for a solderless
connection with the LED stripe.
Part-no.: SLO-C310-00001
(details on page 36)

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

FP3-x02B-250

5060 PLCC6, single colour, high bright

Specifications

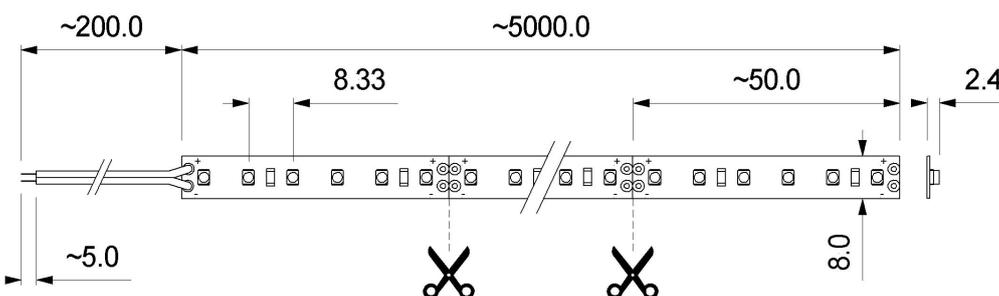|	
Voltage	12V
Current	3A
Wattage	14.4W/m
Number of LEDs	150pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	
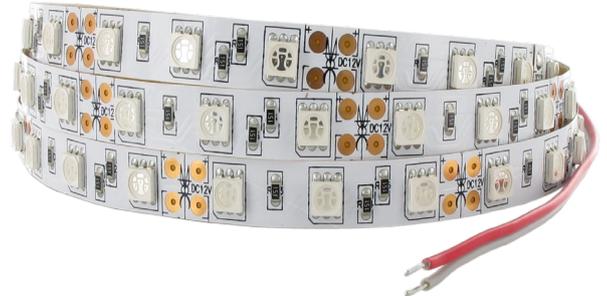
Benefits

Adhesive tape on backside
Cuttable every ~50mm

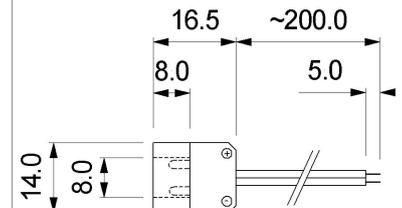## Electrical and optical characteristics (Ta=25°C)

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

~200.0   ~2500.0   16.26   ~50.0   2.1   ~5.0   10.0

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

5060 PLCC6, single colour, high bright

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	

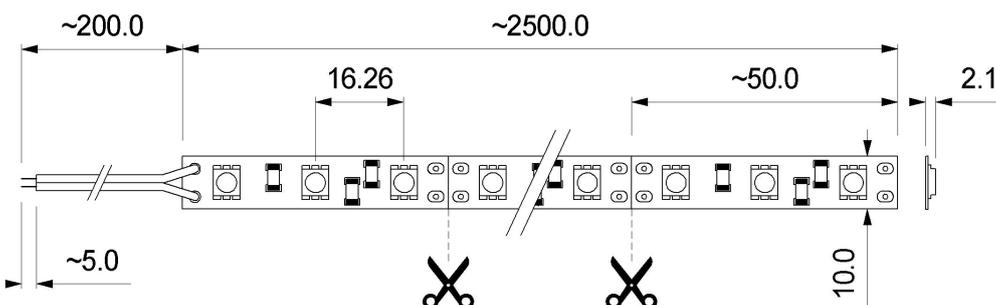**Benefits**

Adhesive tape on backside
Cuttable every ~100mm

Electrical and optical characteristics (Ta=25°C)

Part number	Colour	Wavelength	Intensity lm/m	
FP3-R02D-500	🔴 red	630nm	321	

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
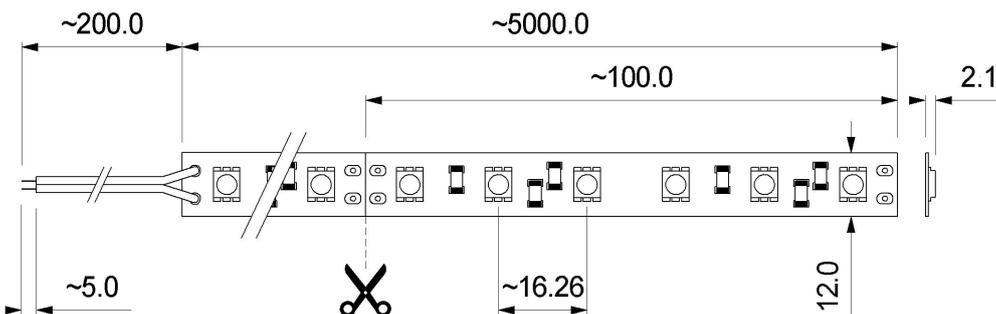
Dimensions

~200.0 ~5000.0 ~100.0 2.1 ~5.0 ~16.26 12.0

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

3528 PLCC2, single colour, standard bright, high densitiy

<div style="text-align:right">

FP7-x01D-250

</div>

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
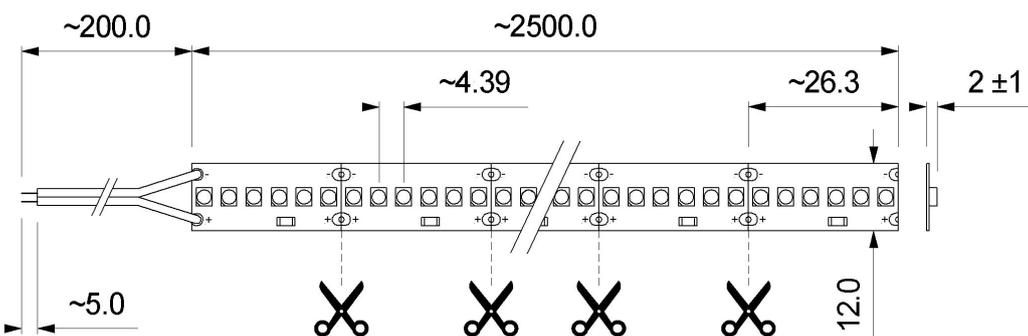
~200.0 ~2500.0 ~4.39 ~26.3 2 ±1 ~5.0 12.0

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

Sloan_03_GK_LED-Modules_26C

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	
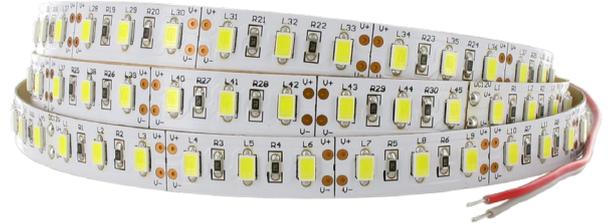
Benefits   Adhesive tape on backside
                        Cuttable every ~33.3mm

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

~200.0   ~2500.0   11.1   ~33.3   2 ±0.5

~5.0   12.0

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm^2 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

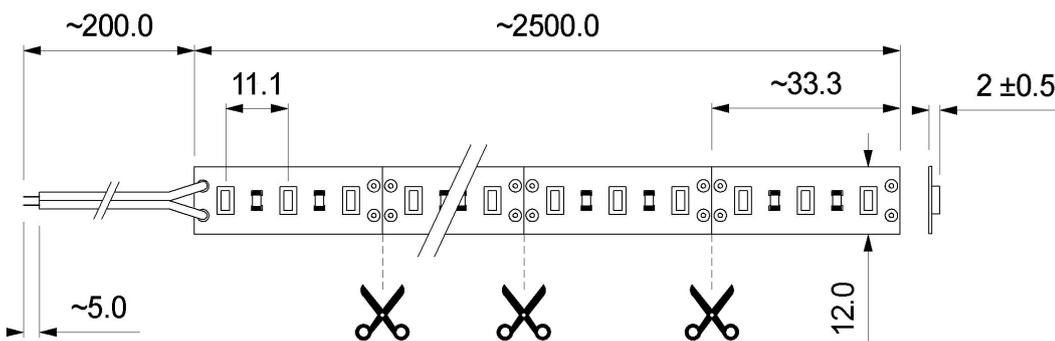|	
Voltage	24V
Current	3.6A
Wattage	17.28W/m
Number of LEDs	420pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

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 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

2835, single colour, ultra high bright

FP6-x01D-250

Specifications

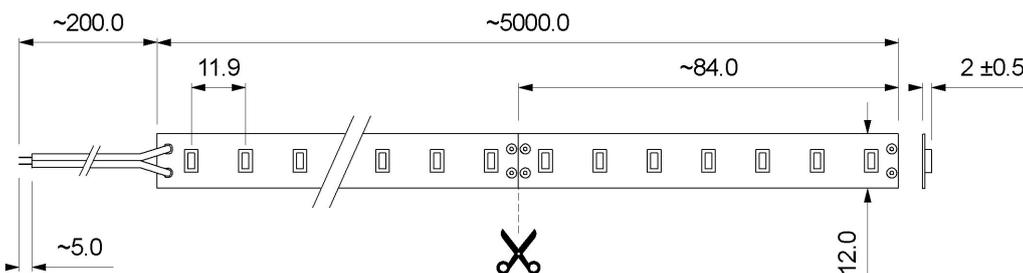|	
Voltage	24V
Current	2.7A
Wattage	26W/m
Number of LEDs	315pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

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
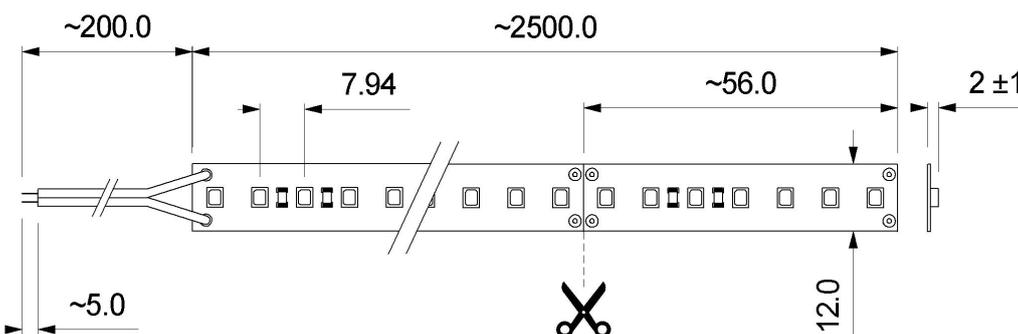
1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

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	

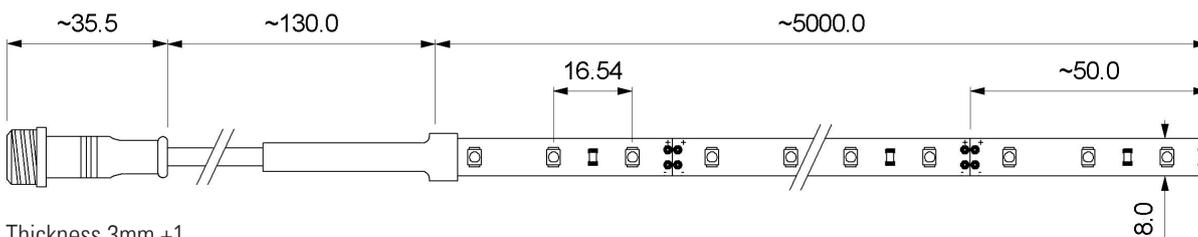**Benefits**   Adhesive tape on backside

About IP64   Splash proof form all directions.
Test requrements 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	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 0.2mm² AWG #24
4. Specifications are subject to change without notice

Sloan_03_GK_LED-Modules_26C

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

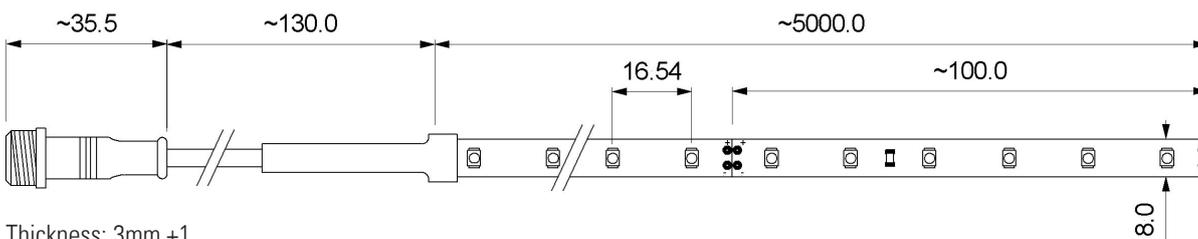|	
Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	60mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

Benefits: Adhesive tape on backside

About IP64 Splash proof form all directions.
Test requrements 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-R04D-500	🔴 red	620nm	148	

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 0.2mm² 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

FPL-x05D-500

3528 PLCC2, single colour, standard bright, double density

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	

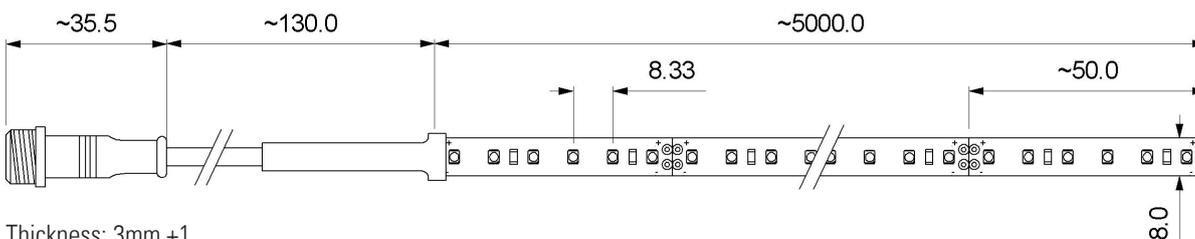**Benefits**   Adhesive tape on backside

About IP64   Splash proof form all directions.
Test requrements 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	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^2 AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint silicone IP64

5060 PLCC6, single colour, high bright

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	

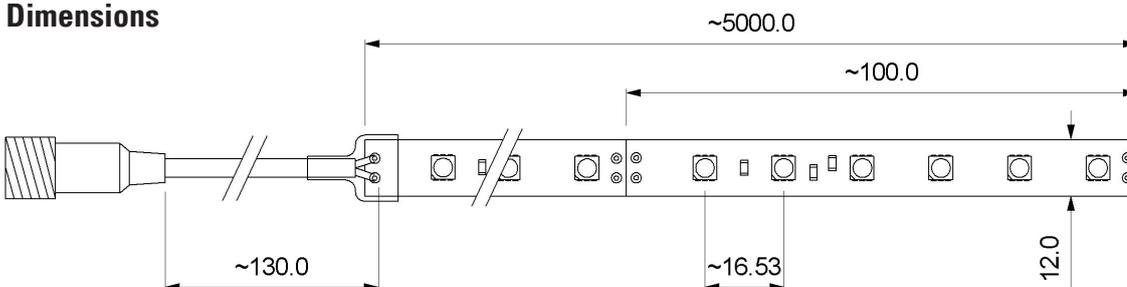**Benefits**   Adhesive tape on backside

About IP64   Splash proof form all directions.
Test requrements 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	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

~5000.0
~100.0
~130.0
~16.53
12.0

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 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint silicone IP67

FPS-x01B-500

3528 PLCC2, single colour, standard bright

Specifications

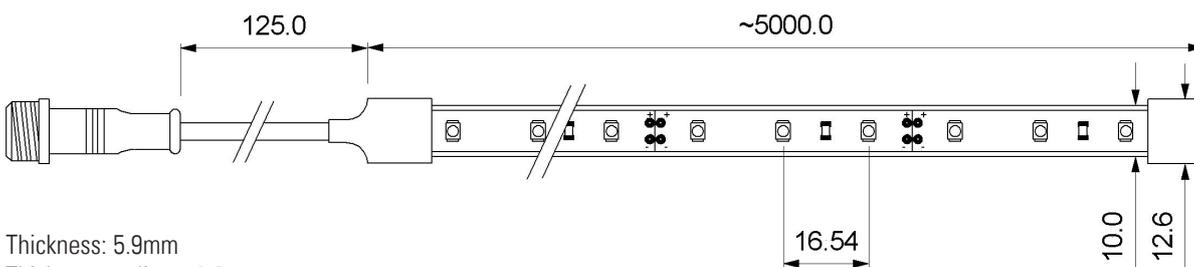|	
Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

Benefits   Adhesive tape on backside

About IP67   Waterproof for temporary immersion in water.
Test requrements 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

125.0   ~5000.0   16.54   10.0   12.6

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^2 AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Flexiprint silicone IP67

3528 PLCC2, single colour, standard bright

FPS-x01D-500

Specifications

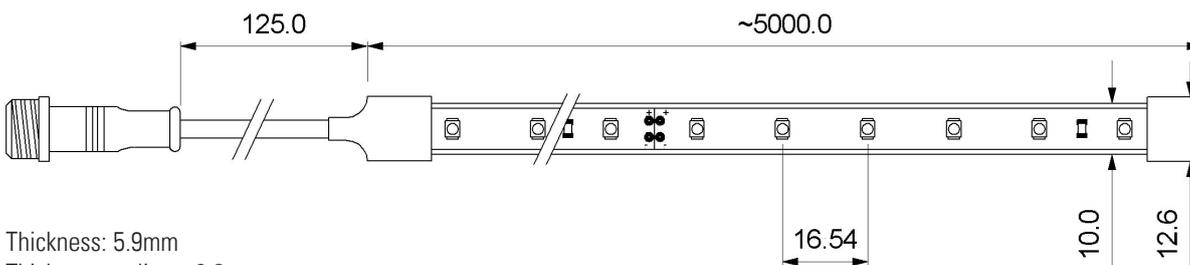|	
Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

Benefits — Adhesive tape on backside

About IP67 — Waterproof for temporary immersion in water.
Test requrements 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-R01D-500	● red	620nm	148	

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^2 AWG #24
4. Specifications are subject to change without notice

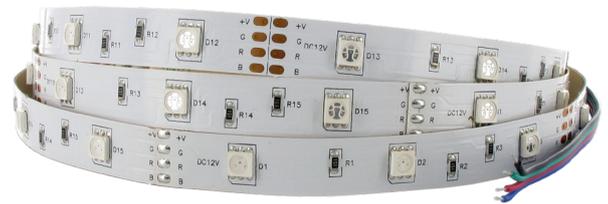Please also take note of our **General Information for Flexiprint and LED Modules**

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

FP-F01B-500

5060 PLCC6, RGB, high bright

Specifications

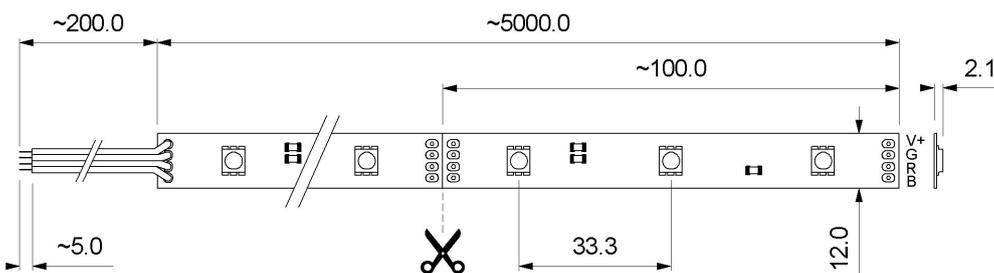|	
Voltage	12V
Current	3 x 1A
Wattage	7.2W/m (3 x 2.4W/m)
Number of LEDs	150pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

Benefits
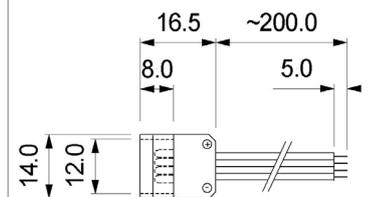
Adhesive tape on backside
Cuttable every ~100mm

Electrical and optical characteristics (Ta=25°C)

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

Dimensions

~200.0   ~5000.0   ~100.0   2.1

~5.0   33.3   12.0

V+
G
R
B

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

Additional

16.5   ~200.0
8.0   5.0
14.0   12.0

Quick connector for a solderless
connection with the LED stripe.
Part-no.: SLO-C310-00006
(details on page 36)

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

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

FP-F02B-250

5060 PLCC6, RGB, high bright

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	

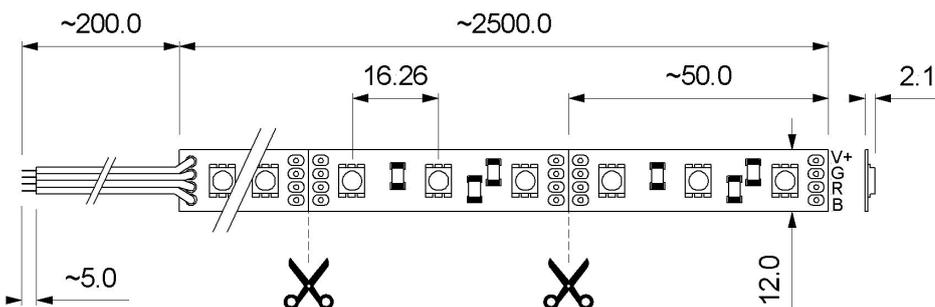**Benefits**   Adhesive tape on backside
                        Cuttable every ~50mm
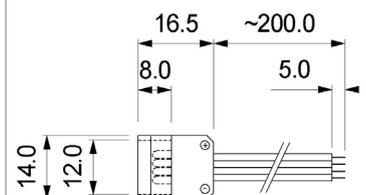
Electrical and optical characteristics (Ta=25°C)

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

Dimensions

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

Additional

Quick connector for a solderless connection with the LED stripe.
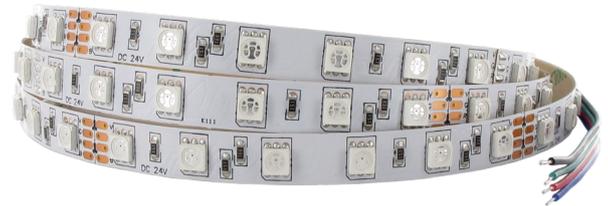Part-no.: SLO-C310-00006
(details on page 36)

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

Sloan_03_GK_LED-Modules_26C

Flexiprint IP20

FP1-F02D-500

5060 PLCC6, RGB, high bright

Specifications

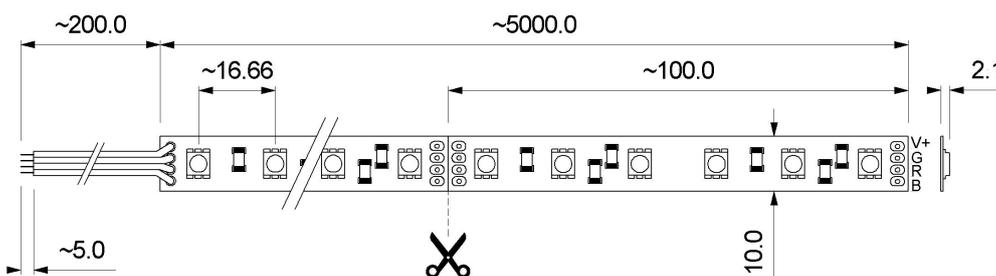|	
Voltage	24V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	300pcs
Length of stripe	5m
Viewing angle	120°
Min. bending radius (edges/corners)	30mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

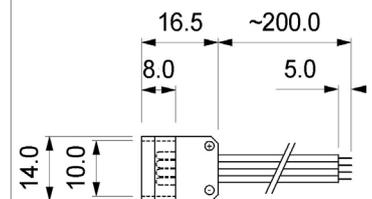**Benefits**

Adhesive tape on backside
Cuttable every ~100mm

Electrical and optical characteristics (Ta=25°C)

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

Dimensions

~200.0 ~5000.0 2.1
~16.66 ~100.0
V+ G R B
~5.0 10.0

Additional

16.5 ~200.0
8.0 5.0
14.0 10.0

Quick connector for a solderless connection with the LED stripe.
Part-no.: SLO-C310-00005
(details on page 36)

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

Sloan_03_GK_LED-Modules_26C

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

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PRECISION OPTOELECTRONICS

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
Cuttable every ~125mm

Electrical and optical characteristics (Ta=25°C)

Part number	Colour		Wavelength / CCT	Intensity lm/m	EEC
	🔴	red	620nm	92	
	🟢	green	520nm	196	
FP1-FN02D-250	🔵	blue	470nm	41	
	⚪	warm-white	2800-3500K	1296	F
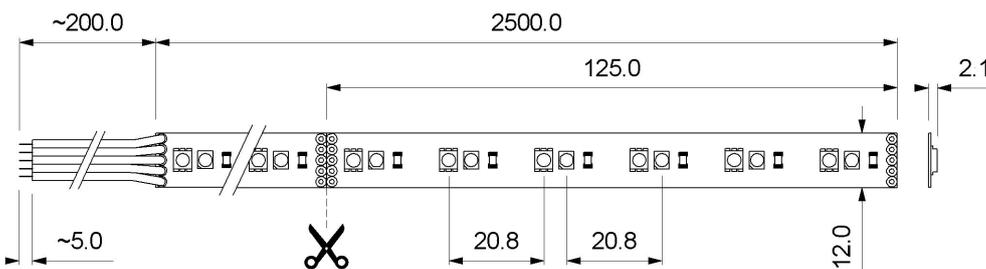
Dimensions

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

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	

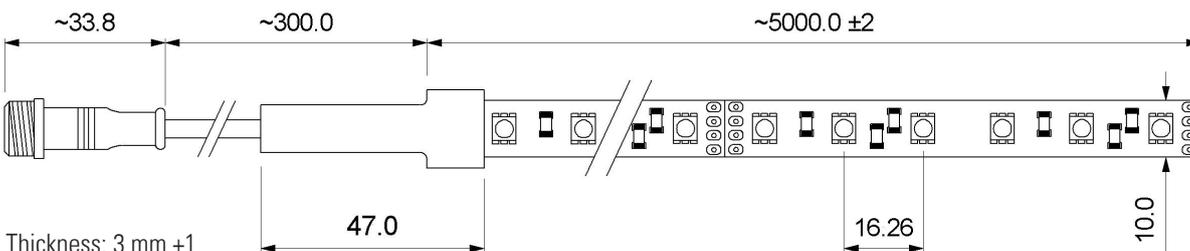**Benefits**   Adhesive tape on backside

About IP64   Splash proof form all directions.
Test requrements 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
	🔴 red	620nm	115
FPL-F02D-500	🟢 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

~33.8   ~300.0   ~5000.0 ±2

47.0   16.26   10.0

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 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

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 requrements 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
	🔴 red	620nm	58
FPS-F01B-500	🟢 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

190.0   ~5016.0

~33.3   15.0   16.5
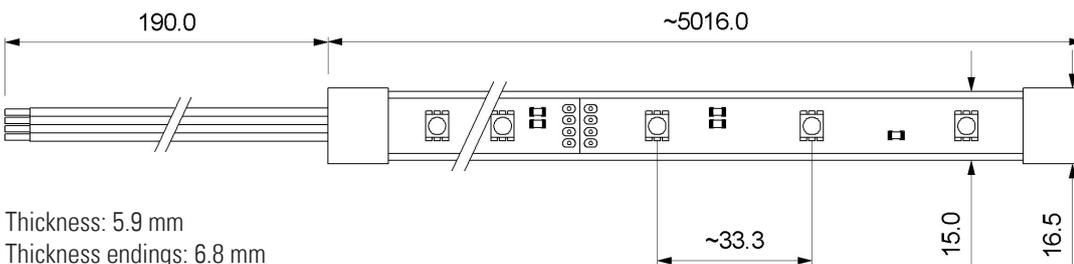
Thickness: 5.9 mm
Thickness endings: 6.8 mm

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm^2 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

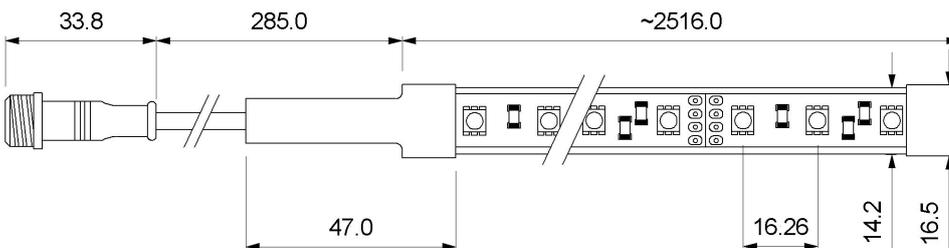|	
Voltage	12V
Current	3 x 1A
Wattage	14.4W/m (3 x 4.8W/m)
Number of LEDs	150pcs
Length of stripe	2.5m
Viewing angle	120°
Min. bending radius (edges/corners)	100mm
Operating temperature	-15 to +40°C
Storage temperature	-25 to +60°C
CE/RoHS compliant	

Benefits Adhesive tape on backside

About IP67 Waterproof for temporary immersion in water.
Test requrements 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
	🔴 red	620nm	115
FPS-F02B-250	🟢 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

33.8	285.0	~2516.0

47.0   16.26   14.2   16.5

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 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

![SLOAN - PRECISION OPTOELECTRONICS]

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	

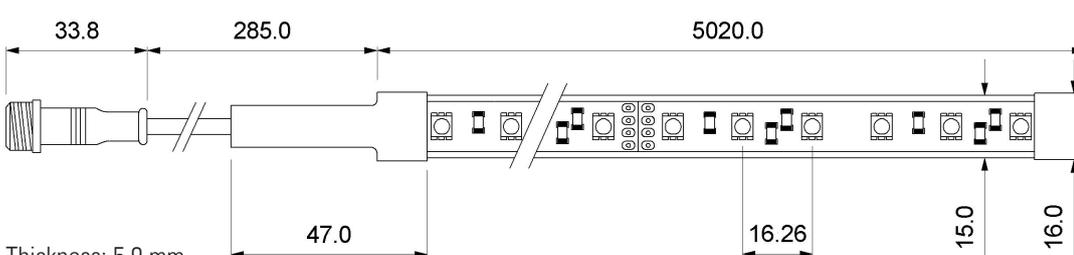**Benefits**   Adhesive tape on backside

About IP67   Waterproof for temporary immersion in water.
Test requrements 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
	🔴	red	620nm	115
FPS-F02D-500	🟢	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

33.8   285.0   5020.0
47.0   16.26   15.0   16.0

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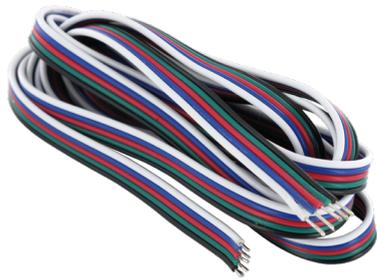Thickness endings: 6.8 mm
250 mm 4pol adapter cable included

1. All dimensions are in millimetres
2. Length tolerance ±1%
3. All strandet wires cross section 0.2mm² AWG #24
4. Specifications are subject to change without notice

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

Sloan_03_GK_LED-Modules_26C

Cable & Connectors

Part-No.:	Old Part-No.:	
SLO-7111-00001	116 02 003	**Cable with DC-Power**

Internal Ø: 2.1mm
External Ø: 5.5mm
Cable length: 1.12m
Cable colour: white

SLO-7111-00004	116 02 015	**DC-Power Plug**

Internal Ø: 2.1mm
External Ø: 5.5mm
Cable length: 100mm
Cable colour: transparent

SLO-7111-00005	116 02 016	**DC-Power Jack**

Internal Ø: 2.1mm
External Ø: 5.5mm
Cable length: 100mm
Cable colour: transparent

SLO-7111-00003	116 02 009	**Cable with DC-Power**

Internal Ø: 2.1mm
External Ø: 5.5mm
Cable length: 1.2m
Cable colour: transparent

SLO-7111-00002	116 02 004	**Cable with DC-Power**

Internal Ø: 2.1mm
External Ø: 5.5mm
Cable length: 10m
Cable colour: transparent

Sloan_03_GK_LED-Modules_26C

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Cable & Connectors

Part-No.:	Old Part-No.:	
SLO-7000-00004	116 00 053	**5-pol cable for RGBW**

Dimension: 5 x AWG24 (0.2mm^2)
Cable length: 1.5m
Cable colour: black/green/red/blue/white
Cable end: tinned
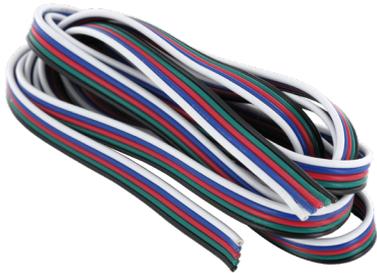
SLO-7000-00003	116 00 053-1	**5-pol cable for RGBW**

Dimension: 5 x AWG24 (0.2mm^2)
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^2
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^2
Cable length: cut to desired meters
Cable colour: white

Cable & Connectors

Part-No.:	**Old Part-No.:**	
SLO-7110-00001	116 02 006	**Main cable, 220/240 V connection** Connector: with Schuko plug Length: 2m
SLO-7110-00003	116 02 008	**Main cable, 220/240 V connection** Connector: with Swiss T13 plug Length: 1.8m
SLO-7110-00002	116 02 007	**Main cable, 220/240 V connection** Connector: with 2-pin Euro plug Length: 1.8m

SLO-7013-00001 116 00 056

5-pol cable for RGBW

Dimension:	$4 \times 0.5mm^2$, $1 \times 0.75mm^2$
Diameter:	6.4mm +/-0.3
Cable length:	cut to desired meters
Cable colour:	green/red/blue/white/white-purple
Special properties:	halogen-free
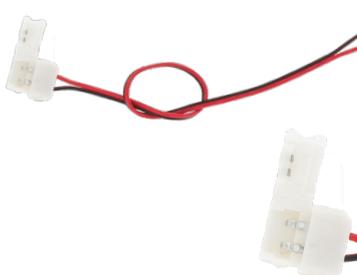
SLO-C310-00001 116 02 017
SLO-C310-00003 116 02 018
SLO-C310-00004 116 02 019

Quick connector for single-colour LED strip

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

SLO-C310-00005 116 02 020
SLO-C310-00006 116 02 021

Quick connector for RGB LED strip

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

Sloan_03_GK_LED-Modules_26C

Wiring instructions

Single colour wiring

do not connect like this
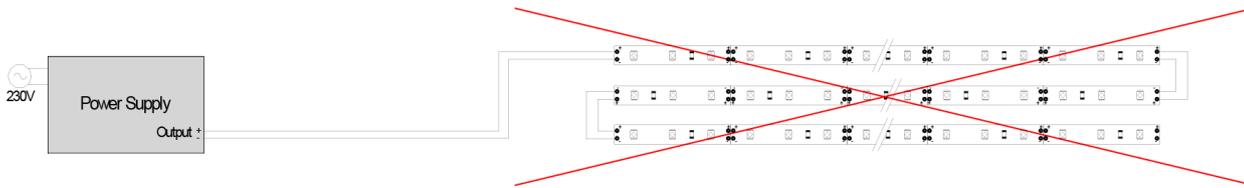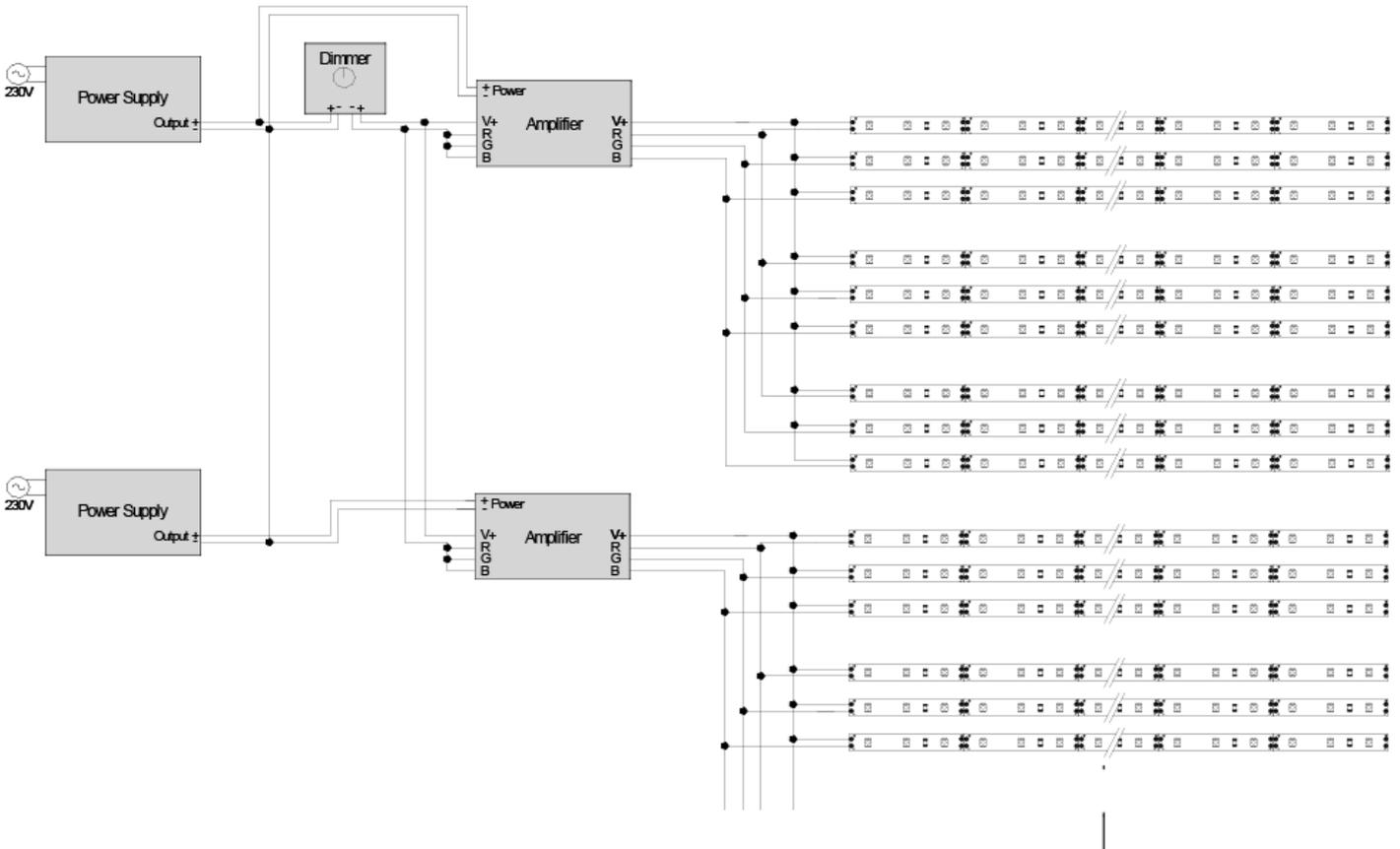
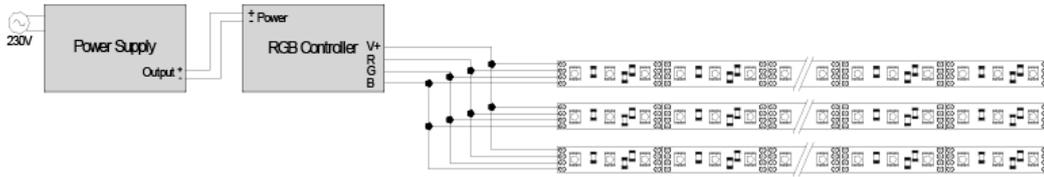## Single colour wiring with manual dimer

for up to 3 reels

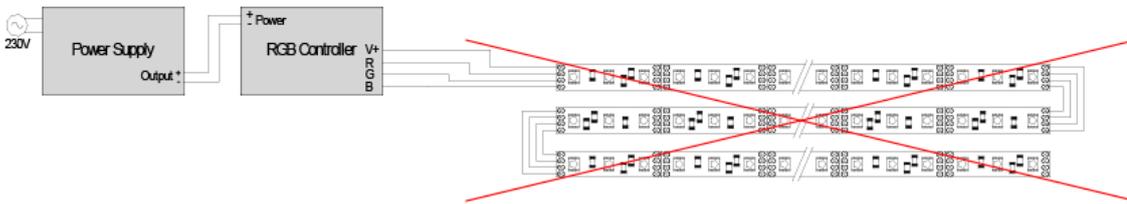for more than 3 reels (multi power supply)

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Full colour wiring

for up to 3 reels

do not connect like this

for more than 3 reels (multi power supply)

Sloan_03_GK_LED-Modules_26C
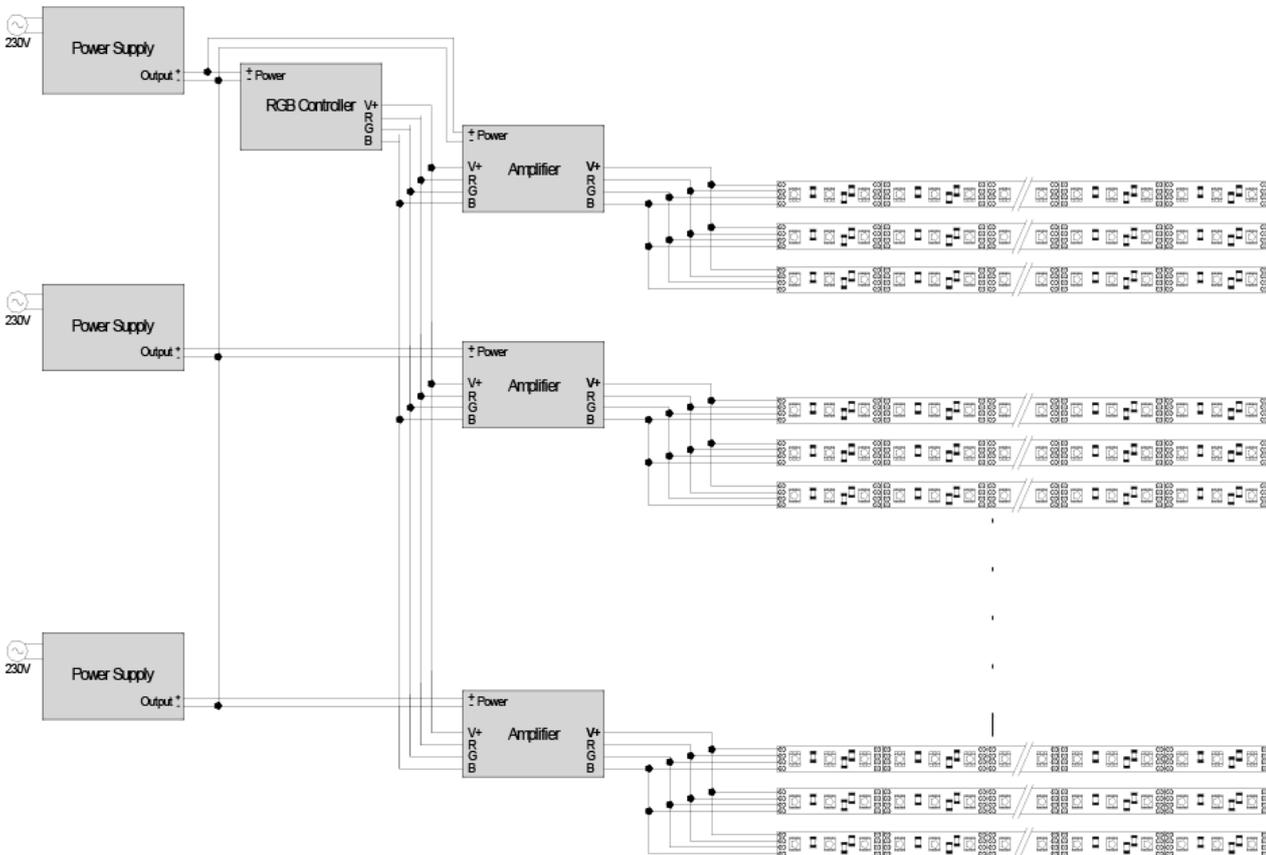
for more than 3 reels (multi power supply)

do not connect like this

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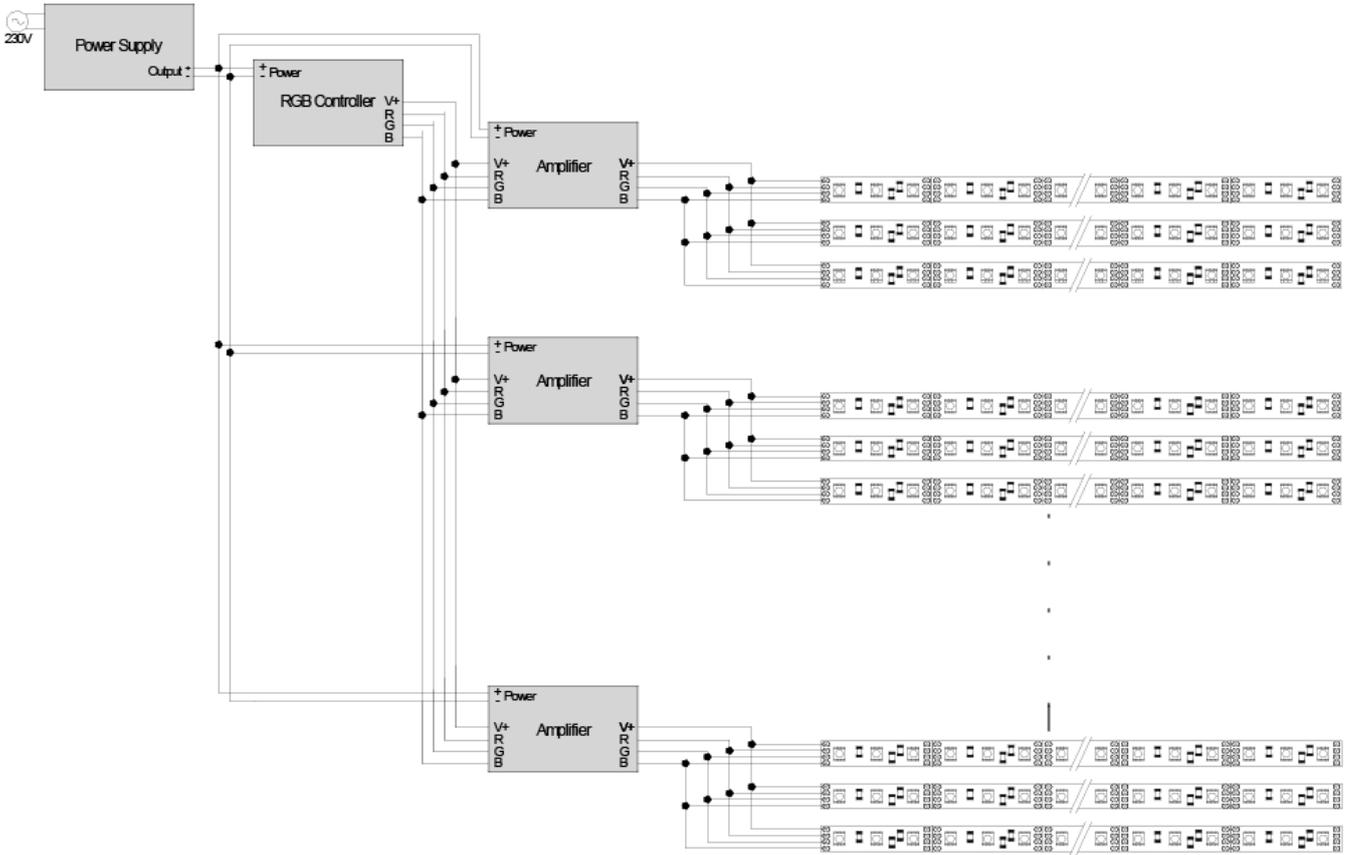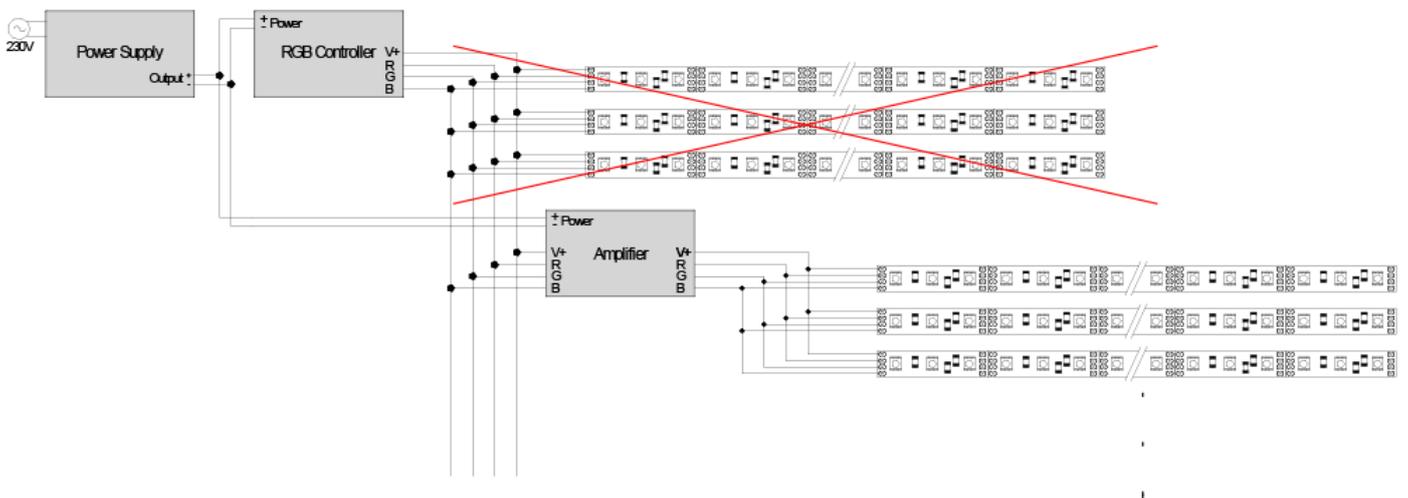
General Information for Flexiprint and LED Modules

Basic information

- Only use rated input voltage of DC12V ±5% or of DC24V ±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 loose waterproof-protection after beeing 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 siliconecover 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:
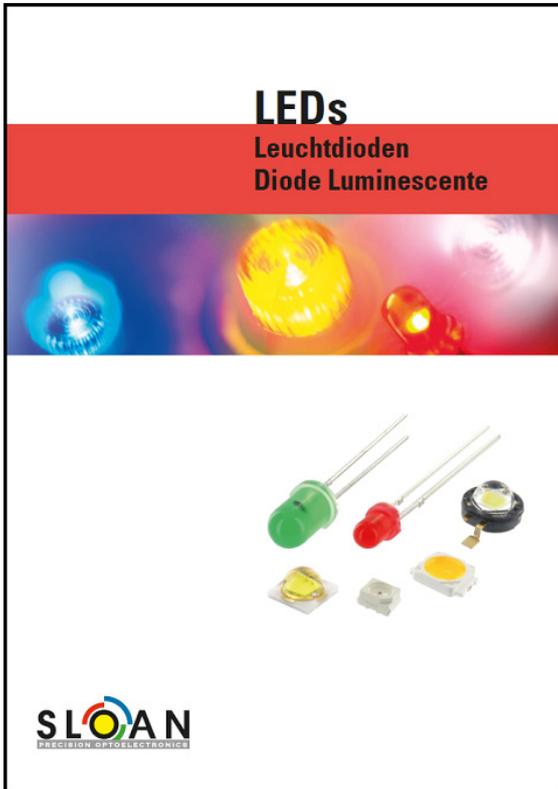
Colour specification of the LED	Effective emitted colour with silicone cover
H = 2600-2800°K	~2900-3400°K
N = 2800-3100°K	~3800-4500°K
S = 3800-5000°K	~5000-7000°K
W = 5500-6700°K	~8000-13000°K

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 lightoutput 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 Flexprint 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 unsufficient 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 it's 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.

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LEDs
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Diode Luminescente

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Emer.-Exit light
Notausgangsleuchten
Eclairage des sorties

Indicator Lights
Signalleuchten
Voyants Lumineux

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LED Profile
LED Profile
Profilé à LED

Our product catalogues are
available on our website

Unsere Produkt-Kataloge sind
auf unserer Website verfügbar

Nos catalogues de produits
au format sont disponibles sur
notre site Web
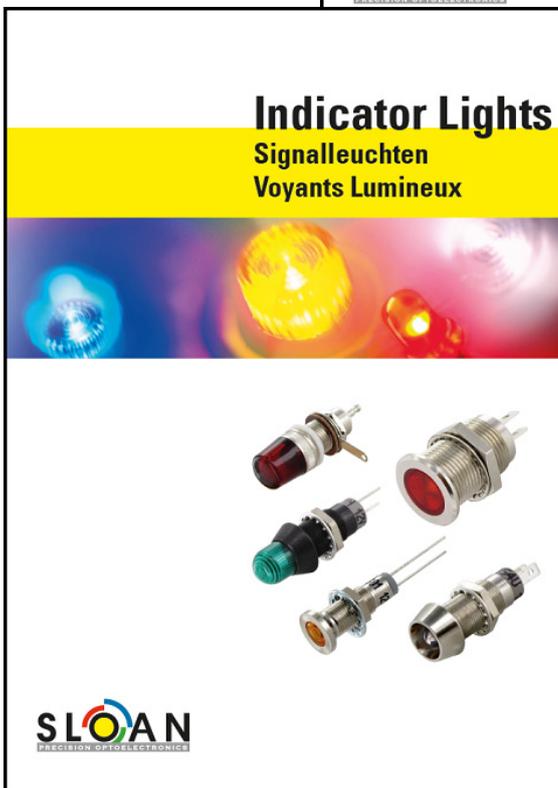
Major application fields:

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 sergery 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, continously improving our products and processes.**