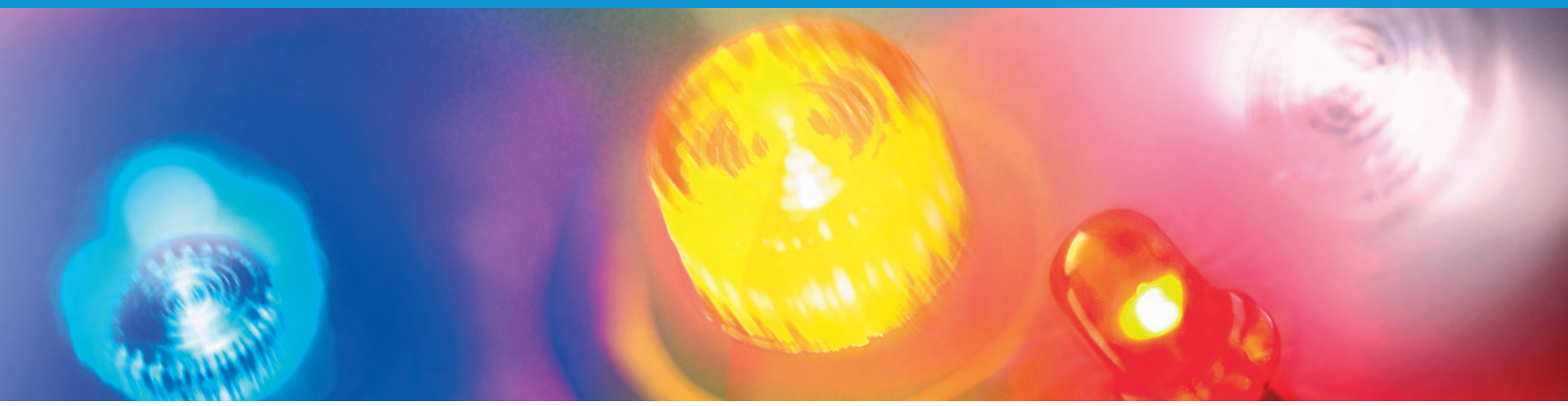
WING ELECTRONIC S.R.L. Tel: +39 06.87.120.170 email: wingelectronic@wingelectronic.com

LED Modules

LED-Module

Modules LED



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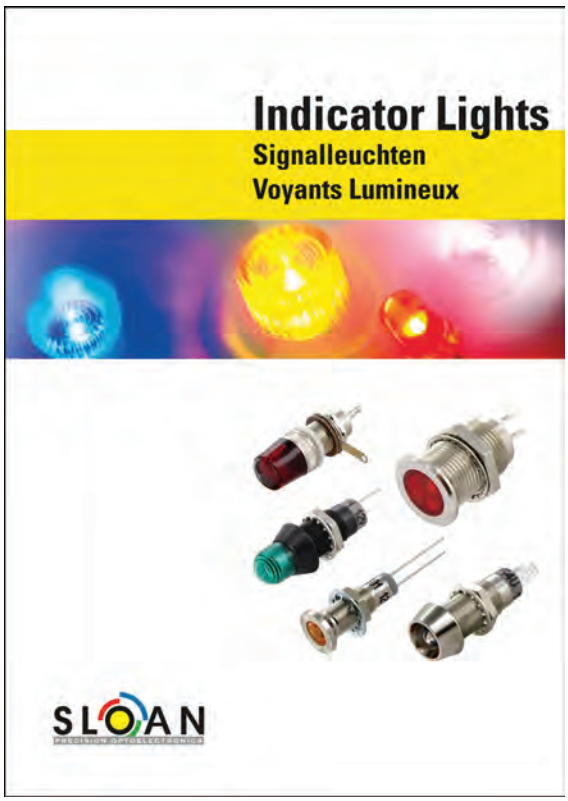
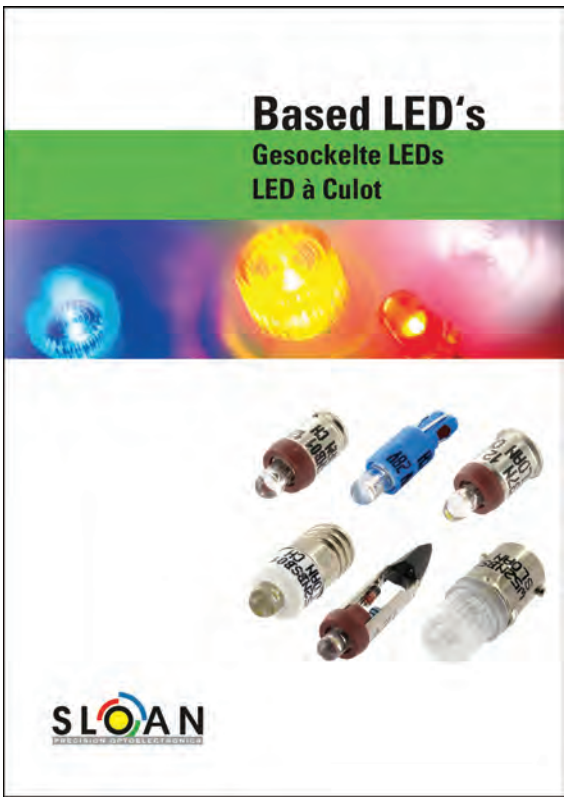
Additional Sloan Product Catalogues
Zusätzliche Sloan Produktkataloge
Catalogues additionnels des produits Sloan





Please ask for the other Sloan product catalogues

Fordern Sie Ihre gewünschten Sloan-Produktkataloge an

Demandez votre catalogue selon vos besoins

Sloan_03_GK_LED-Module_14B

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Sloan LED-Modules

Product	Serie	Colour	Voltage	Wattage	Protection
Flexiprint	FP5	single colour	12V	4.8W/m	IP20
Flexiprint	FP/FP1	single colour	12V/24V	4.8W/m	IP20
Flexiprint	FP1	dual white	24V	2x4.8W/m	IP20
Flexiprint	FP/FP1	single colour	12V/24V	9.6W/m	IP20
Flexiprint	FP3	single colour	12V/24V	14.4W/m	IP20
Flexiprint	FP7	single colour	24V	18W/m	IP20
Flexiprint	FP4	single colour	12V/24V	19.6/17.3W/m	IP20
Flexiprint	FP6	single colour	24V	26W/m	IP20
Flexiprint	FPL	single colour	12V/24V	4.8W/m	IP64
Flexiprint	FPL	single colour	12V/24V	9.6W/m	IP64
Flexiprint	FPL3	single colour	12V/24V	14.4W/m	IP64
Flexiprint	FPS	single colour	12V/24V	4.8W/m	IP67
Flexiprint	FP	RGB	12V	7.2W/m	IP20
Flexiprint	FP/FP1	RGB	12V/24V	14.4W/m	IP20
Flexiprint	FP/FP1	RGBW	24V	17.3W/m	IP20
Flexiprint	FPL	RGB	12V/24V	14.4W/m	IP64
Flexiprint	FPL	RGBW	24V	17.3W/m	IP64
Flexiprint	FPS	RGB	12V	7.2W/m	IP67
Flexiprint	FPS	RGB	12V/24V	14.4W/m	IP67
Light Stripe Alu	LSA	single colour	24V	23W/m	IP20
Light Stripe	LS	single colour/RGB	12V	4.8/12.6 W/m	IP20
Light Stripe Aluprofile	LS1	single colour/RGB	12V	7.4/14W/m	IP65
Flexiprint	FS	single colour	12V	8W/m	IP67
Channel-Letters	CLA4/CLP3	single colour/RGB	12V	1.15W/unit	IP64

Powersupplies

Controllers

Accessories

Wiring Instructions

General Information for Flexiprint and LED Modules

Sloan_03_GK_LED-Module_14B

SLOAN
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12V Flexiprint

Standard bright (PLCC2) slim version

Specifications

Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

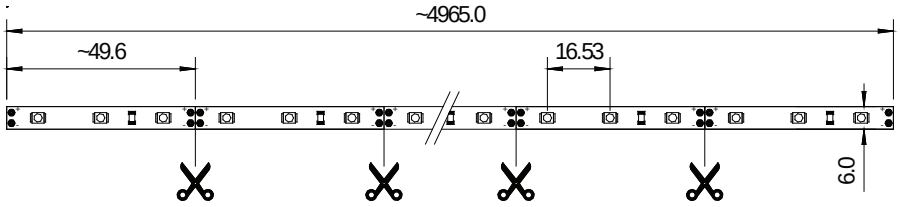
Benefits

Adhesive tape on backside
cutable every ~49.6mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FP5-A01B-500	amber	605nm	200
FP5-B01B-500	blue	472nm	110
FP5-G01B-500	green	525nm	450
FP5-H01B-500	warm-white	2600-2800°K	1530
FP5-N01B-500	warm-white	3000-3500°K	1530
FP5-R01B-500	red	639nm	240
FP5-S01B-500	natural-white	4000-5000°K	1800
FP5-W01B-500	white	6000-7000°K	1800
FP5-Y01B-500	yellow	590nm	200

Dimensions



Thickness: 2.4 mm

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

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

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SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint

Standard bright (PLCC2)

Specifications

Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

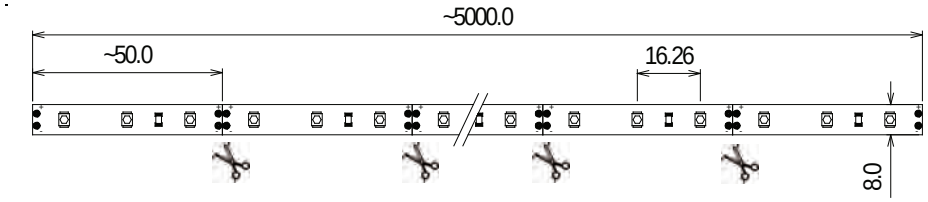
Benefits

Adhesive tape on backside
cutable every ~50mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FP-A01B-500	amber	605nm	200
FP-B01B-500	blue	472nm	110
FP-G01B-500	green	525nm	450
FP-H01B-500	warm-white	2600-2800°K	1530
FP-N01B-500	warm-white	3000-3500°K	1530
FP-R01B-500	red	639nm	240
FP-S01B-500	natural-white	4000-5000°K	1800
FP-W01B-500	white	6000-7000°K	1800
FP-Y01B-500	yellow	590nm	200

Dimensions



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24V Flexiprint

Standard bright (PLCC2)

Specifications

Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

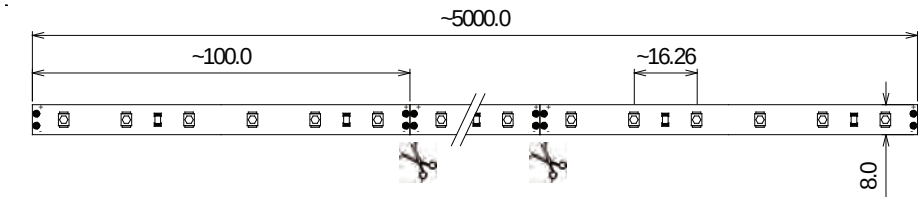
Benefits

Adhesive tape on backside
cutable every ~100mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FP1-A01D-500	amber	605nm	200
FP1-B01D-500	blue	472nm	110
FP1-G01D-500	green	525nm	450
FP1-H01D-500	warm-white	2600-2800°K	1530
FP1-N01D-500	warm-white	3000-3500°K	1530
FP1-R01D-500	red	639nm	240
FP1-S01D-500	natural-white	4000-5000°K	1800
FP1-W01D-500	white	6000-7000°K	1800
FP1-Y01D-500	yellow	590nm	200

Dimensions



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PRECISION OPTOELECTRONICS

24V Flexiprint

Standard bright (PLCC2) double density / dualwhite

Specifications

Voltage	24V
Current	2x1A
Wattage	2x4.8W/m
Number of LED's	2x300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

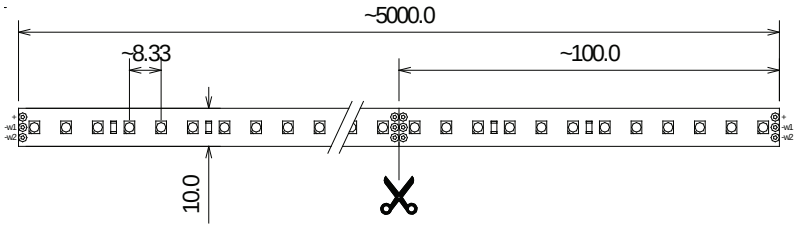
Benefits

Adhesive tape on backside
cutable every ~100mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
FP1-NW02D-500	warm-white	2800-3200°K	1350
	white	5500-6500°K	1800

Dimensions



Thickness: 2.4 mm

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SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint

Standard bright (PLCC2) double density

Specifications

Voltage	12V
Current	2A
Wattage	9.6W/m
Number of LED's	300pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

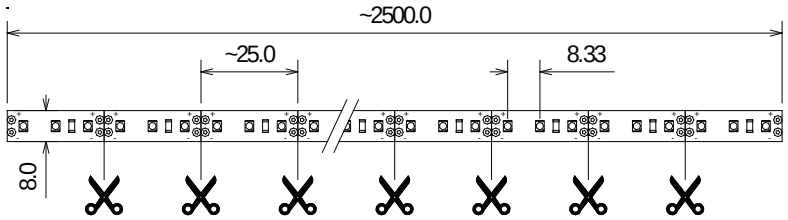
Benefits

Adhesive tape on backside
cutable every ~25mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FP-A02B-250	amber	605nm	200
FP-B02B-250	blue	472nm	110
FP-G02B-250	green	525nm	450
FP-H02B-250	warm-white	2600-2800°K	1530
FP-N02B-250	warm-white	3000-3500°K	1530
FP-R02B-250	red	639nm	240
FP-S02B-250	natural-white	4000-5000°K	1800
FP-W02B-250	white	6000-7000°K	1800
FP-Y02B-250	yellow	590nm	200

Dimensions



Thickness: 2.4 mm

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PRECISION OPTOELECTRONICS

24V Flexiprint

Standard bright (PLCC2) double density

Specifications

Voltage	24V
Current	2A
Wattage	9.6W/m
Number of LED's	600pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

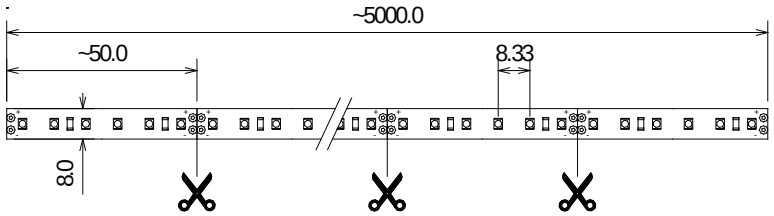
Benefits

Adhesive tape on backside
cutable every ~50mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FP1-A02D-500	amber	605nm	400
FP1-B02D-500	blue	472nm	220
FP1-G02D-500	green	525nm	900
FP1-H02D-500	warm-white	2600-2800°K	3060
FP1-N02D-500	warm-white	3000-3500°K	3060
FP1-R02D-500	red	639nm	480
FP1-S02D-500	natural-white	4000-5000°K	3600
FP1-W02D-500	white	6000-7000°K	3600
FP1-Y02D-500	yellow	590nm	400

Dimensions



Thickness: 2.4 mm

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2. Tolerance is ±0.25mm unless otherwise specified
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Please also take note of our **General Information for Flexiprint and LED Modules**

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12V Flexiprint

High bright (PLCC6)

Specifications

Voltage	12V
Current	3A
Wattage	14.4W/m
Number of LED's	150pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

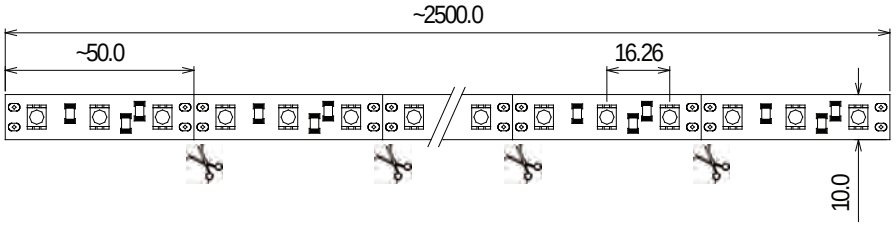
Benefits

Adhesive tape on backside
cutable every ~50mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
FP3-A02B-250	amber	605nm	270
FP3-B02B-250	blue	472nm	145
FP3-G02B-250	green	525nm	600
FP3-H02B-250	warm-white	2600-2800°K	2025
FP3-N02B-250	warm-white	3000-3500°K	2025
FP3-R02B-250	red	639nm	315
FP3-S02B-250	natural-white	4000-5000°K	2400
FP3-W02B-250	white	6000-7000°K	2400
FP3-Y02B-250	yellow	590nm	270

Dimensions



Thickness: 2.1 mm

Sloan_03_GK_LED-Module_14B

1. All dimensions are in millimetres
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3. Specifications are subject to change without notice

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

SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint

High bright (PLCC6)

Specifications

Voltage	24V
Current	3A
Wattage	14.4W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

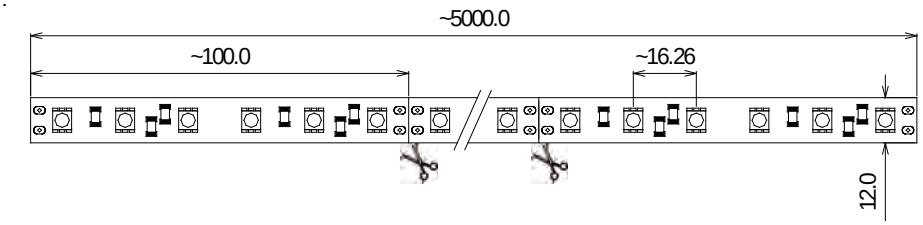
Benefits

Adhesive tape on backside
cutable every ~100mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FP3-A02D-500	amber	605nm	540
FP3-B02D-500	blue	472nm	290
FP3-G02D-500	green	525nm	1200
FP3-H02D-500	warm-white	2600-2800°K	4050
FP3-N02D-500	warm-white	3000-3500°K	4050
FP3-R02D-500	red	639nm	630
FP3-S02D-500	natural-white	4000-5000°K	4800
FP3-W02D-500	white	6000-7000°K	4800
FP3-Y02D-500	yellow	590nm	540

Dimensions



Thickness: 2.1 mm

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2. Tolerance is ±0.25mm unless otherwise specified
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24V Flexiprint

Standard bright (PLCC2) high density

Specifications

Voltage	24V
Current	1.88A
Wattage	18W/m
Number of LED's	560pcs
Length of Stripe	2.5m
Operating Temperature	-20°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

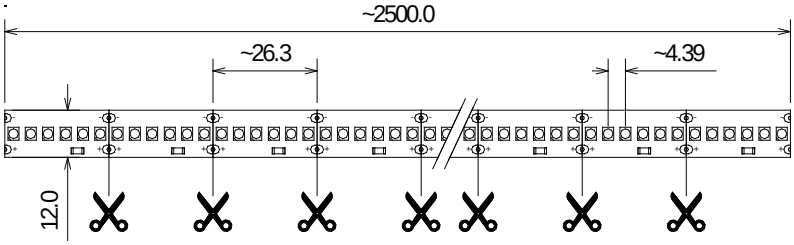
Benefits

Adhesive tape on backside
cutable every ~26.3mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FP7-N01D-250	warm-white	3000-3500°K	2850
FP7-S01D-250	natural-white	4000-5000°K	3360
FP7-W01D-250	white	6000-7000°K	3360

Dimensions



Thickness: 2 mm +1

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12V Flexiprint

Ultra bright (5730)

Specifications

Voltage	12V
Current	4.125A
Wattage	19.8W/m
Number of LED's	225pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

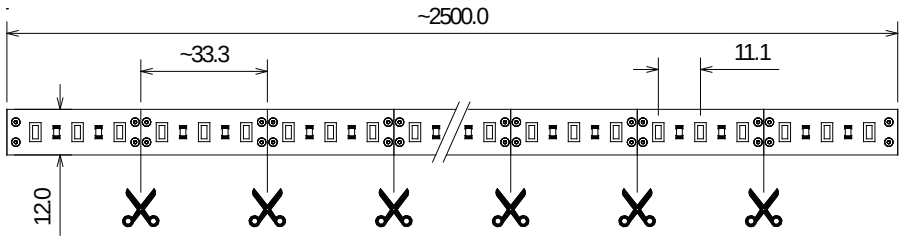
Benefits

Adhesive tape on backside
cutable every ~33.3mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
FP4-N01B-250	warm-white	2800-3100°K	2925
FP4-S01B-250	natural-white	3800-4250°K	3375
FP4-W01B-250	white	5500-6500°K	3375

Dimensions



Thickness: 2 mm +0.5

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24V Flexiprint

Ultra bright (5730)

Specifications

Voltage	24V
Current	3.6A
Wattage	17.28W/m
Number of LED's	420pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

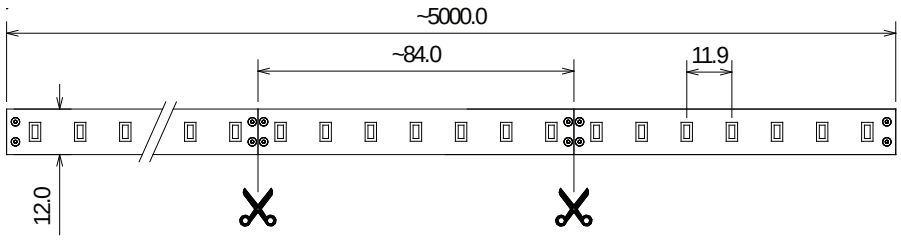
Benefits

Adhesive tape on backside
cutable every ~84mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
FP4-N01D-500	warm-white	2800-3100°K	5460
FP4-S01D-500	natural-white	3800-4250°K	6300
FP4-W01D-500	white	5500-6500°K	6300

Dimensions



Thickness: 2 mm +0.5

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PRECISION OPTOELECTRONICS

24V Flexiprint

Ultra high bright (2835)

Specifications

Voltage	24V
Current	2.7A
Wattage	26W/m
Number of LED's	315pcs
Length of Stripe	2.5m
Operating Temperature	-20°~+40°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

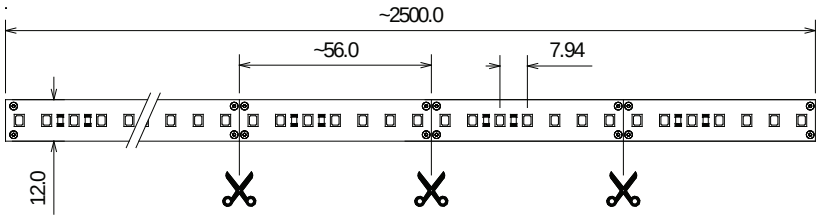
Benefits

Adhesive tape on backside
cutable every ~56mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
FP6-N01D-250	warm-white	2800-3100°K	3780
FP6-S01D-250	natural-white	3800-4250°K	4100
FP6-W01D-250	white	5500-6500°K	4100

Dimensions



Thickness: 2 mm +1

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

WING ELECTRONIC S.R.L. Tel: +39 06.87.120.170 email: wingelectronic@wingelectronic.com

SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint Silicone IP64

Standard bright (PLCC2)

Specifications

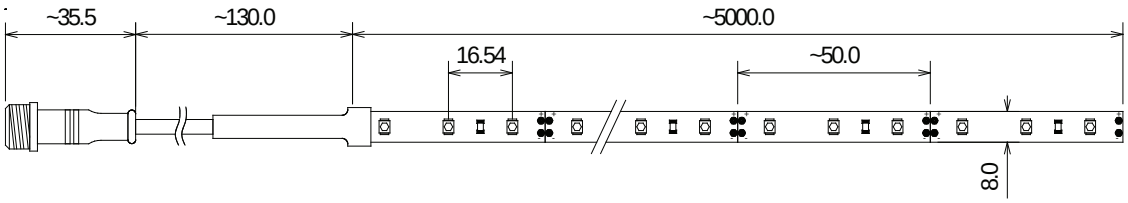
Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

Benefits

Adhesive tape on backside
IP64 Protection

Part Number	Colour	Wavelength	Intensity Im (typ.)
FPL-A04B-500	amber	605nm	200
FPL-B04B-500	blue	472nm	110
FPL-G04B-500	green	525nm	480
FPL-H04B-500	warm-white	2600-2800°K	1530
FPL-N04B-500	warm-white	3000-3500°K	1530
FPL-R04B-500	red	639nm	240
FPL-S04B-500	natural-white	4000-5000°K	1800
FPL-W04B-500	white	6000-7000°K	1800
FPL-Y04B-500	yellow	590nm	200

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint Silicone IP64

Standard bright (PLCC2)

Specifications

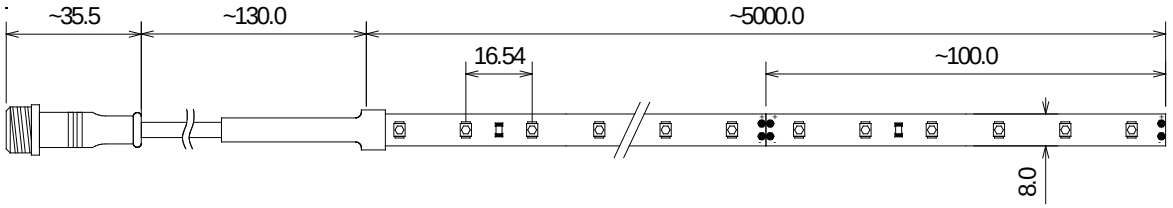
Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

Benefits

Adhesive tape on backside
IP64 Protection

Part Number	Colour	Wavelength	Intensity Im (typ.)
FPL-A04D-500	amber	605nm	200
FPL-B04D-500	blue	472nm	110
FPL-G04D-500	green	525nm	450
FPL-H04D-500	warm-white	2600-2800°K	1530
FPL-N04D-500	warm-white	3000-3500°K	1530
FPL-R04D-500	red	639nm	240
FPL-S04D-500	natural-white	4000-5000°K	1800
FPL-W04D-500	white	6000-7000°K	1800
FPL-Y04D-500	yellow	590nm	200

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

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WING ELECTRONIC S.R.L. Tel: +39 06.87.120.170 email: wingelectronic@wingelectronic.com

SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint Silicone IP64

Standard bright (PLCC2) double density

Specifications

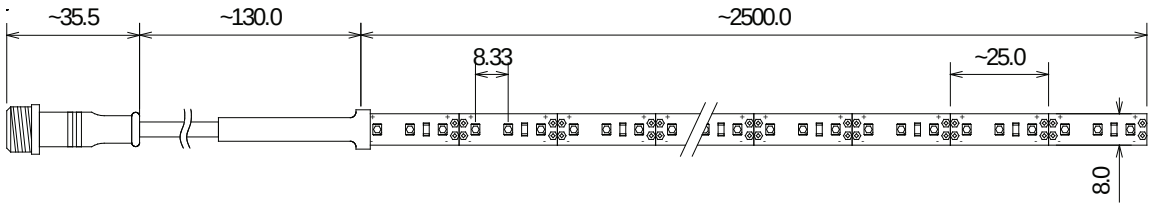
Voltage	12V
Current	2A
Wattage	9.6W/m
Number of LED's	300pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

Benefits

Adhesive tape on backside
IP64 Protection

Part Number	Colour	Wavelength	Intensity Im (typ.)
FPL-A05B-250	amber	605nm	200
FPL-B05B-250	blue	472nm	110
FPL-G05B-250	green	525nm	450
FPL-H05B-250	warm-white	2600-2800°K	1530
FPL-N05B-250	warm-white	3000-3500°K	1530
FPL-R05B-250	red	639nm	240
FPL-S05B-250	natural-white	4000-5000°K	1800
FPL-W05B-250	white	6000-7000°K	1800
FPL-Y05B-250	yellow	590nm	200

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint Silicone IP64

Standard bright (PLCC2) double density

Specifications

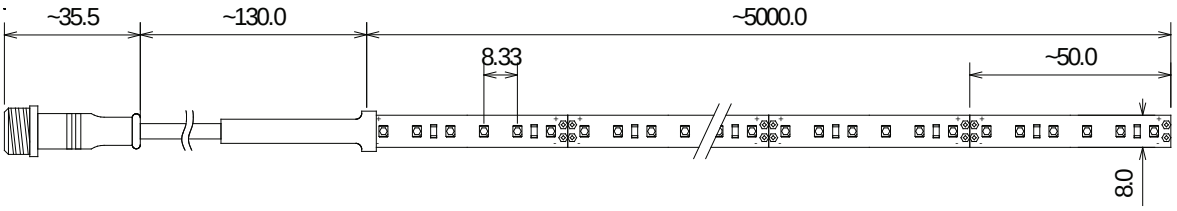
Voltage	24V
Current	2A
Wattage	9.6W/m
Number of LED's	600pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

Benefits

Adhesive tape on backside
IP64 Protection

Part Number	Colour	Wavelength	Intensity Im (typ.)
FPL-A05D-500	amber	605nm	400
FPL-B05D-500	blue	472nm	220
FPL-G05D-500	green	525nm	900
FPL-H05D-500	warm-white	2600-2800°K	3060
FPL-N05D-500	warm-white	3000-3500°K	3060
FPL-R05D-500	red	639nm	480
FPL-S05D-500	natural-white	4000-5000°K	3600
FPL-W05D-500	white	6000-7000°K	3600
FPL-Y05D-500	yellow	590nm	400

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

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SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint Silicone IP64

High bright (PLCC6)

Specifications

Voltage	12V
Current	3A
Wattage	14.4W/m
Number of LED's	150pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

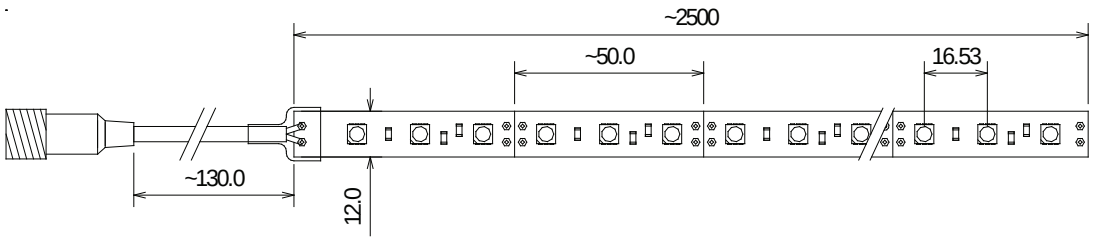
Benefits

Adhesive tape on backside
IP64 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FPL3-A02B-250	amber	605nm	270
FPL3-B02B-250	blue	472nm	145
FPL3-G02B-250	green	525nm	600
FPL3-H02B-250	warm-white	2600-2800°K	2025
FPL3-N02B-250	warm-white	3000-3500°K	2025
FPL3-R02B-250	red	639nm	315
FPL3-S02B-250	natural-white	4000-5000°K	2400
FPL3-W02B-250	white	6000-7000°K	2400
FPL3-Y02B-250	yellow	590nm	270

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint Silicone IP64

High bright (PLCC6)

Specifications

Voltage	24V
Current	3A
Wattage	14.4W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

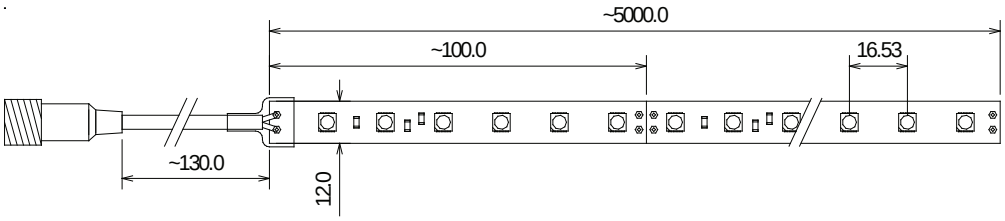
Benefits

Adhesive tape on backside
IP64 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FPL3-A02D-500	amber	605nm	540
FPL3-B02D-500	blue	472nm	290
FPL3-G02D-500	green	525nm	1200
FPL3-H02D-500	warm-white	2600-2800°K	4050
FPL3-N02D-500	warm-white	3000-3500°K	4050
FPL3-R02D-500	red	639nm	630
FPL3-S02D-500	natural-white	4000-5000°K	4800
FPL3-W02D-500	white	6000-7000°K	4800
FPL3-Y02D-500	yellow	590nm	540

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint Silicone IP67

Standard bright (PLCC2)

Specifications

Voltage	12V
Current	2A
Wattage	4.8W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

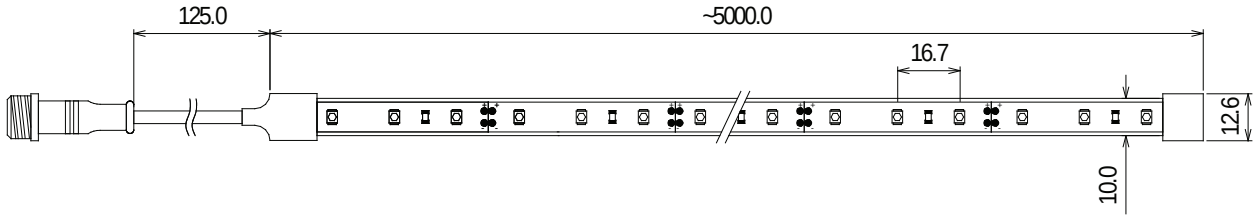
Benefits

Adhesive tape on backside
IP67 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FPS-A01B-500	amber	605nm	200
FPS-B01B-500	blue	472nm	110
FPS-G01B-500	green	525nm	480
FPS-H01B-500	warm-white	2600-2800°K	1530
FPS-N01B-500	warm-white	3000-3500°K	1530
FPS-R01B-500	red	639nm	240
FPS-S01B-500	natural-white	4000-5000°K	1800
FPS-W01B-500	white	6000-7000°K	1800
FPS-Y01B-500	yellow	590nm	200

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint Silicone IP67

Standard bright (PLCC2)

Specifications

Voltage	24V
Current	1A
Wattage	4.8W/m
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

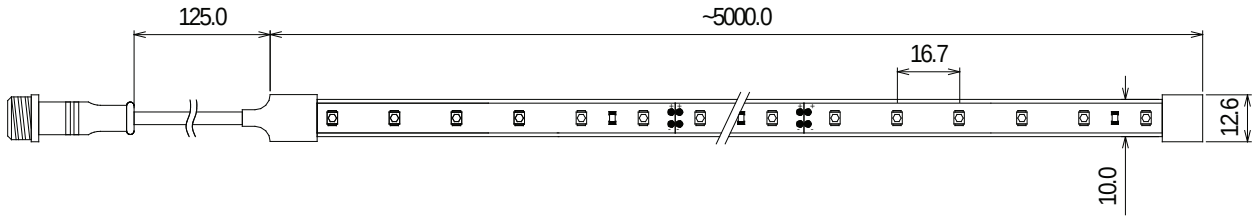
Benefits

Adhesive tape on backside
IP67 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
FPS-A01D-500	amber	605nm	200
FPS-B01D-500	blue	472nm	110
FPS-G01D-500	green	525nm	480
FPS-H01D-500	warm-white	2600-2800°K	1530
FPS-N01D-500	warm-white	3000-3500°K	1530
FPS-R01D-500	red	639nm	240
FPS-S01D-500	natural-white	4000-5000°K	1800
FPS-W01D-500	white	6000-7000°K	1800
FPS-Y01D-500	yellow	590nm	200

Dimensions



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

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint

RGB (PLCC6)

Specifications

Voltage	12V
Current	3x1A
Wattage	7.2W/m (3x2.4W/m)
Number of LED's	150pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

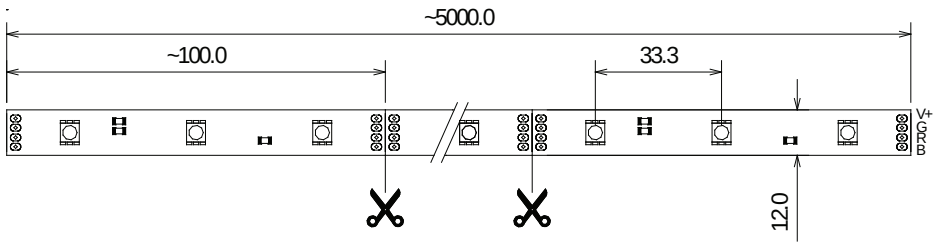
Benefits

Adhesive tape on backside
Cutable every ~100mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	624nm	120
FP-F01B-500	green	518nm	230
	blue	471nm	55

Dimensions



Thickness: 2.1 mm

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint

RGB (PLCC6)

Specifications

Voltage	12V
Current	3x1A
Wattage	14.4W/m (3x4.8W/m)
Number of LED's	150pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

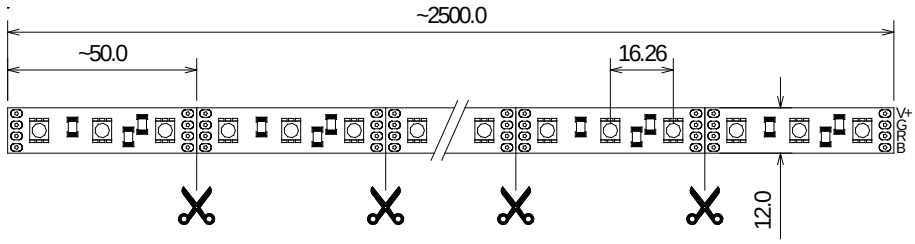
Benefits

Adhesive tape on backside
Cutable every ~50mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
	red	624nm	120
FP-F02B-250	green	518nm	230
	blue	471nm	55

Dimensions



Thickness: 2.1 mm

Sloan_03_GK_LED-Module_14B

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

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

SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint

RGB (PLCC6)

Specifications

Voltage	24V
Current	3x1A
Wattage	14.4W/m (3x4.8W/m)
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

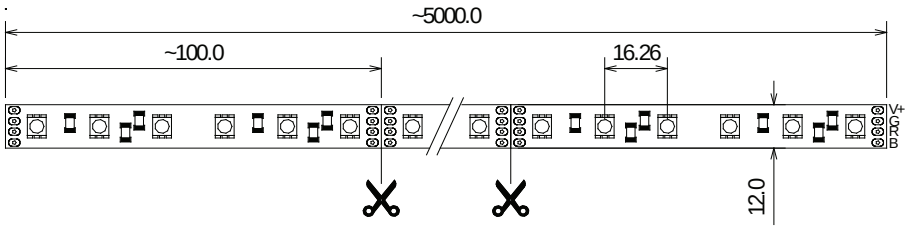
Benefits

Adhesive tape on backside
Cutable avery ~100mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	624nm	240
FP1-F02D-500	green	518nm	460
	blue	471nm	110

Dimensions



Thickness: 2.1 mm

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

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

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SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint

RGBW (PLCC6)

Specifications

Voltage	24V
Current	1.8A (3x300mA, 1x900mA)
Wattage	17.3W/m (3x2.88W/m, 1x8.64W/m)
Number of LED's	150pcs (75pcs RGB, 75pcs white)
Length of Stripe	2.5m
Operating Temperature	-15°~+40°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

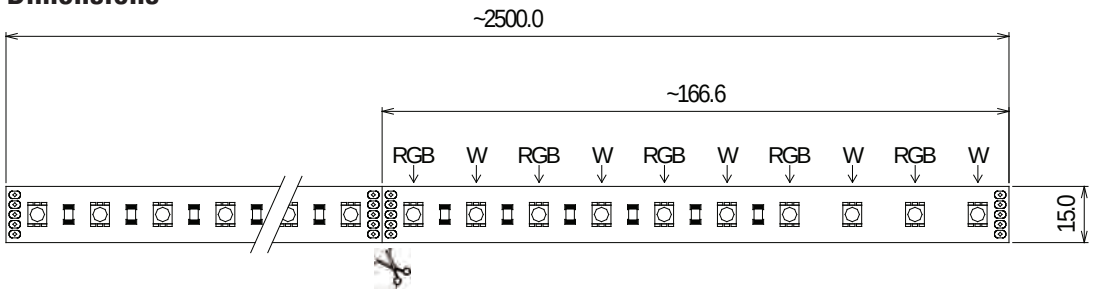
Benefits

Adhesive tape on backside
Cutable every ~166.6mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	620-625nm	60
FP1-FW01D-250	green	520-525nm	115
	blue	465-470nm	27
	white	6000-7000K	1200
	red	620-625nm	60
FP1-FN01D-250	green	520-525nm	115
	blue	465-470nm	27
	warm-white	3000-3500K	1015

Dimensions



Thickness: 2.1 mm

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

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

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SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint Silicone IP64

RGB (PLCC6)

Specifications

Voltage	12V
Current	3x1A
Wattage	14.4W/m (3x4.8W/m)
Number of LED's	150pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

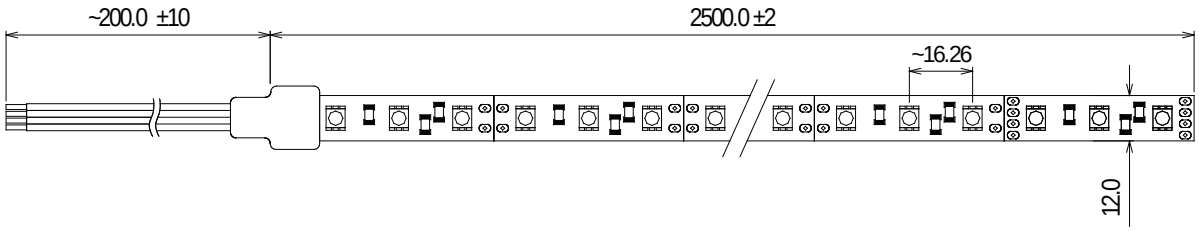
Benefits

Adhesive tape on backside
IP64 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	624nm	120
FPL-F02B-250	green	518nm	230
	blue	471nm	55

Dimensions



Thickness: 3 mm +1
Thickness endings: 4 mm

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

SLOAN AG | Birmannsgasse 8 | CH-4055 Basel | Tel. +41 (0)61 264 10 60 | Fax +41 (0)61 264 10 75 | sloan@sloan-basel.com | www.sloan.ch

SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint Silicone IP64

RGB (PLCC6)

Specifications

Voltage	24V
Current	3x1A
Wattage	14.4W/m(3x4.8W/m)
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

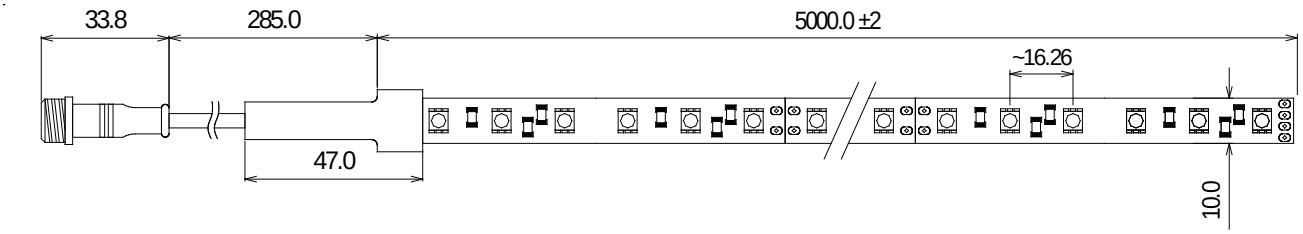
Benefits

Adhesive tape on backside
IP64 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	624nm	240
FPL-F02D-500	green	518nm	460
	blue	471nm	110

Dimensions



Thickness: 3 mm +1
Thickness endings: 4 mm
250 mm 4pol Adaptercable included

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

1. All dimensions are in millimetres
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3. Specifications are subject to change without notice

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SLOAN
PRECISION OPTOELECTRONICS

24V Flexiprint Silicone IP64

RGBW (PLCC6)

Specifications

Voltage	24V
Current	1.8A (3x300mA, 1x900mA)
Wattage	17.3W/m (3x2.88W/m, 1x8.64W/m)
Number of LED's	150pcs (75pcs RGB, 75pcs white)
Length of Stripe	2.5m
Operating Temperature	-15°~+40°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

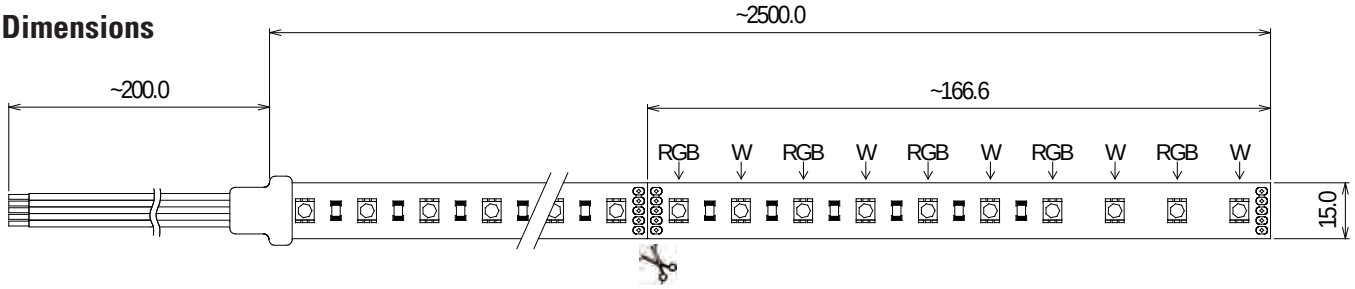
Benefits

Adhesive tape on backside
IP64 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
	red	620-625nm	60
FPL-FW01D-250	green	520-525nm	115
	blue	465-470nm	27
	white	6000-7000K	1200
	red	620-625nm	60
FPL-FN01D-250	green	520-525nm	115
	blue	465-470nm	27
	warm-white	3000-3500K	1015

Dimensions



Thickness: 3 mm +1
Thickness endings: 4 mm

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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2. Tolerance is ±0.25mm unless otherwise specified
3. Specifications are subject to change without notice

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SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint Silicone IP67

RGB (PLCC6)

Specifications

Voltage	12V
Current	3x1A
Wattage	7.2W/m (3x2.4W/m)
Number of LED's	150pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

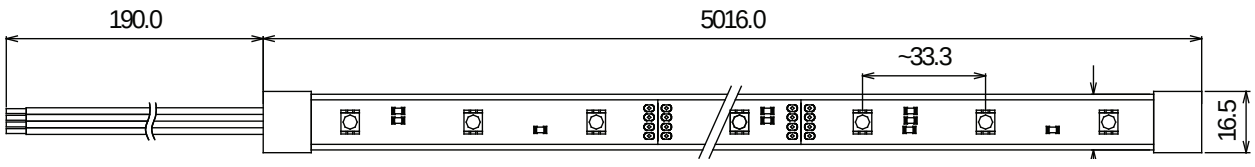
Benefits

Adhesive tape on backside
IP67 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	624nm	120
FPS-F01B-500	green	518nm	230
	blue	471nm	55

Dimensions



Thickness: 5.9 mm
Thickness endings: 6.8 mm

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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

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SLOAN
PRECISION OPTOELECTRONICS

12V Flexiprint Silicone IP67

RGB (PLCC6)

Specifications

Voltage	12V
Current	3x1A
Wattage	14.4W/m (3x4.8W/m)
Number of LED's	150pcs
Length of Stripe	2.5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

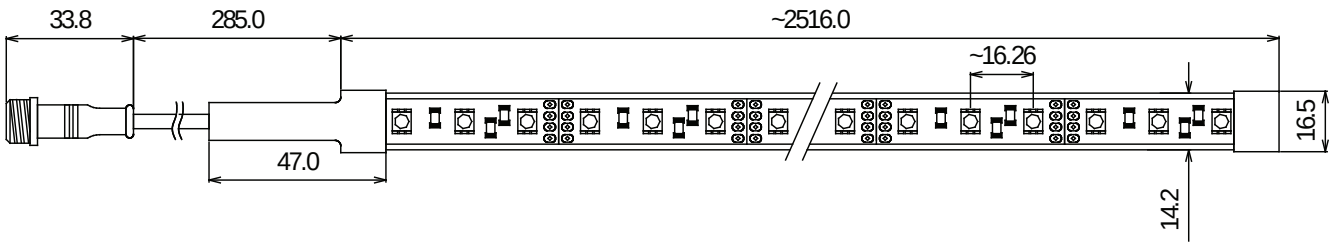
Benefits

Adhesive tape on backside
IP67 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	624nm	120
FPS-F02B-250	green	518nm	230
	blue	471nm	55

Dimensions



Thickness: 5.9 mm
Thickness endings: 6.8 mm
250 mm 4pol Adaptercable included

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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

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24V Flexiprint Silicone IP67

RGB (PLCC6)

Specifications

Voltage	24V
Current	3x1A
Wattage	14.4W/m (3x4.8W/m)
Number of LED's	300pcs
Length of Stripe	5m
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/UL/RoHS compliant	

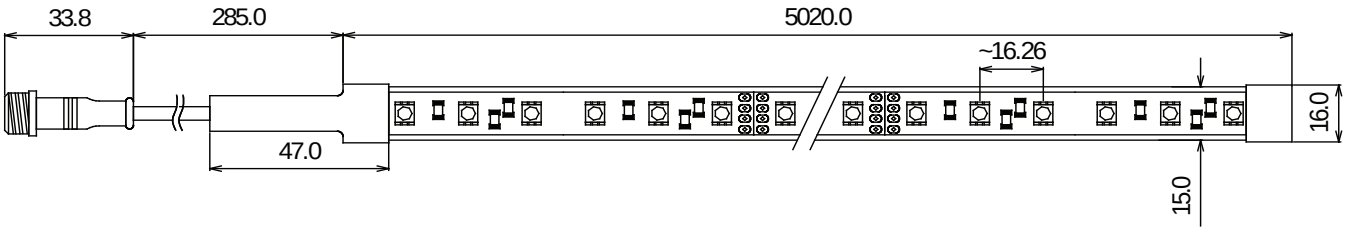
Benefits

Adhesive tape on backside
IP67 Protection

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	624nm	240
FPS-F02D-500	green	518nm	460
	blue	471nm	110

Dimensions



Thickness: 5.9 mm
Thickness endings: 6.8 mm
250 mm 4pol Adaptercable included

not designed for submersion or ourdoor usage
IP protection is no longer applicable after cutting

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2. Tolerance is ±0.25mm unless otherwise specified
3. Specifications are subject to change without notice

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SLOAN
PRECISION OPTOELECTRONICS

24V Light Stripe Aluminium

High bright (2835)

Specifications

Voltage	24V
Current	1.9A
Wattage	23W/m
Number of LED's	112pcs
Length of Stripe	98.5cm
Operating Temperature	-20°~+40°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/RoHS compliant	

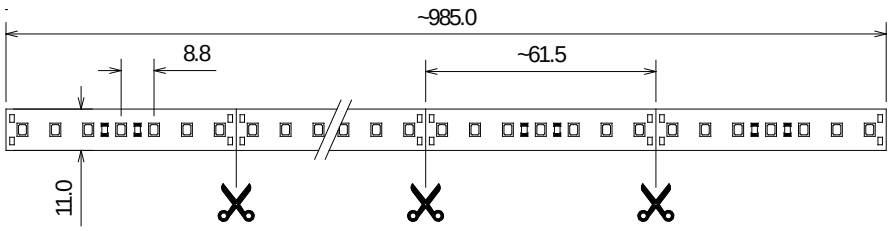
Benefits

cutable all 7 LED's / ~61.5mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)
LSA-N01D-02	warm-white	2800-3500°K	1350
LSA-S01D-02	natural-white	3800-4500°K	1450
LSA-W01D-02	white	5500-6500°K	1450

Dimensions



Thickness assembled PCB: 2 mm +1
PCB height: 1 mm

Sloan_03_GK_LED-Module_14B

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

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

SLOAN
PRECISION OPTOELECTRONICS

12V Light Stripe Single Colour

Standard bright (PLCC2)

Specifications

Voltage	12V
Current	0.2A
Wattage	5W/m
Number of LED's	30pcs
Length of Stripe	48.4cm
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/RoHS compliant	

Benefits

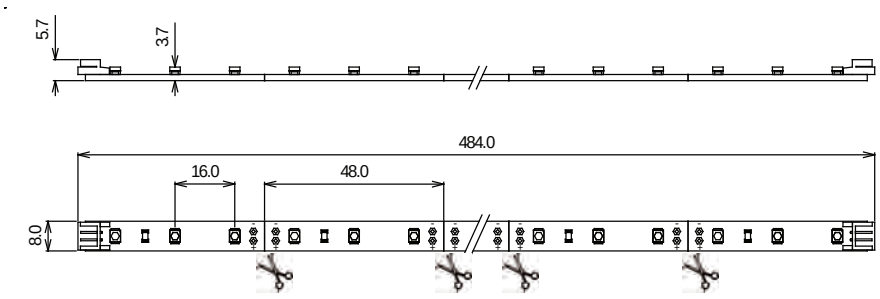
easy installation with preassembled connectors
cutable all three LED's / ~48mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
LS-B01B-01	blue	473nm	11
LS-G01B-01	green	520nm	45
LS-N01B-01	warm-white	2800-3200°K	153
LS-R01B-01	red	624nm	24
LS-S01B-01	natural-white	4000-5000°K	180
LS-W01B-01	white	6500-7500°K	180
LS-Y01B-01	yellow	587nm	20

Single Colour Stripe is delivered with one connection wire P/N: LS-ZUB-04

Dimensions



Sloan_03_GK_LED-Module_14B

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

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

WING ELECTRONIC S.R.L. Tel: +39 06.87.120.170 email: wingelectronic@wingelectronic.com

SLOAN
PRECISION OPTOELECTRONICS

Accessories for Light Stripe

LS-ZUB-01 Connector for Single Colour Stripe

LS-ZUB-03 Mounting Clip

LS-ZUB-04 Connection Wire Single Colour
Length:10cm

Sloan_03_GK_LED-Module_14B

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2. Tolerance is ±0.25mm unless otherwise specified
3. Specifications are subject to change without notice

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

SLOAN
PRECISION OPTOELECTRONICS

12V Light Stripe RGB Colour

(PLCC6)

Specifications

Voltage	12V
Current	3x0.2A
Wattage	12.6W/m (3x42W/m)
Number of LED's	30pcs
Length of Stripe	57.35cm
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	110°
CE/RoHS compliant	

Benefits

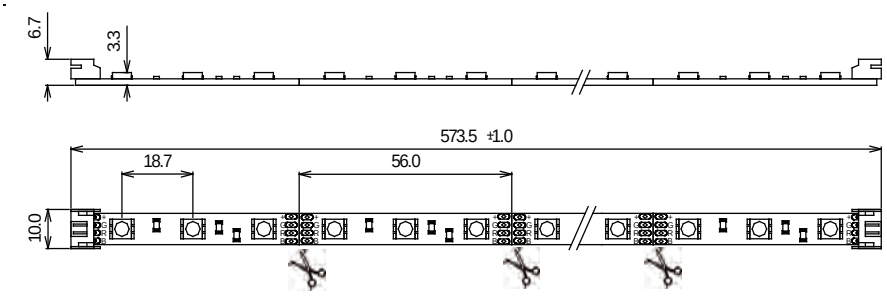
easy installation with preassembled connectors
cutable all three LED's / ~56mm

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
	red	622nm	24
LS-F01B-01	green	515nm	45
	blue	465nm	11

RGB Colour Stripe is delivered with one connection wire P/N: LS-ZUB-05

Dimensions



Sloan_03_GK_LED-Module_14B

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

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

SLOAN
PRECISION OPTOELECTRONICS

LS-ZUB-02 Connector for RGB Colour Stripe

LS-ZUB-03 Mounting Clip

LS-ZUB-05 Connection Wire RGB Colour
Length:10cm

Sloan_03_GK_LED-Module_14B

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

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

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SLOAN
PRECISION OPTOELECTRONICS

12V Light Stripe with Alu-profile 0.51m IP65

high bright (PLCC6)

Specifications

Voltage	12V
Current	0.6A (RGB 3x200mA)
Wattage	7.2W (14.W/m)
Number of LED's	30pcs
Length of Stripe	51cm
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	100°
CE/RoHS compliant	

Benefits

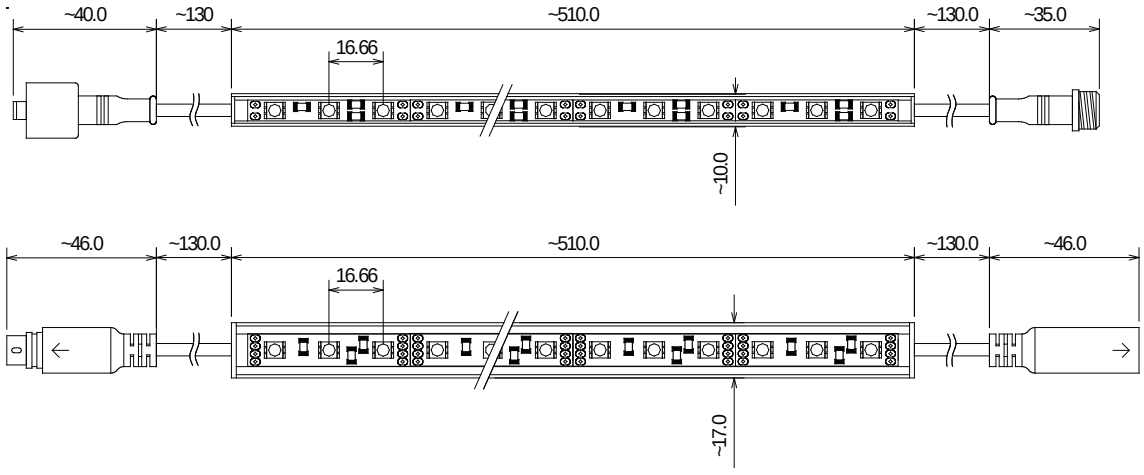
IP65 Protection
preassembled connectors

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
LS1-N01B-01	warm-white	3000-4000°K	405
LS1-S01B-01	natural-white	4000-5000°K	480
LS1-W01B-01	white	6000-7000°K	480
	red	635nm	24
LS1-F01B-01	green	520nm	45
	blue	470nm	11

Single Colour Stripe includes 1pcs of mounting kit P/N: LS1-ZUB-01
RGB Colour Stripe includes 1pcs of mounting kit P/N: LS1-ZUB-02

Dimensions



Sloan_03_GK_LED-Module_14B

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

Please note: Do not connect more than 6 Light Stripe (Alu-profile 0.51m) or 3 Light Stripe (Alu-profile 1.02m) in serie.

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

WING ELECTRONIC S.R.L. Tel: +39 06.87.120.170 email: wingelectronic@wingelectronic.com

SLOAN
PRECISION OPTOELECTRONICS

12V Light Stripe with Alu-profile 1.02m IP65

high bright (PLCC6)

Specifications

Voltage	12V
Current	1.2A (RGB 3x400mA)
Wattage	14.4W (14.W/m)
Number of LED's	60pcs
Length of Stripe	102cm
Operating Temperature	-25°~+60°C
Storage Temperature	-40°~+80°C
Viewing Angle	100°
CE/RoHS compliant	

Benefits

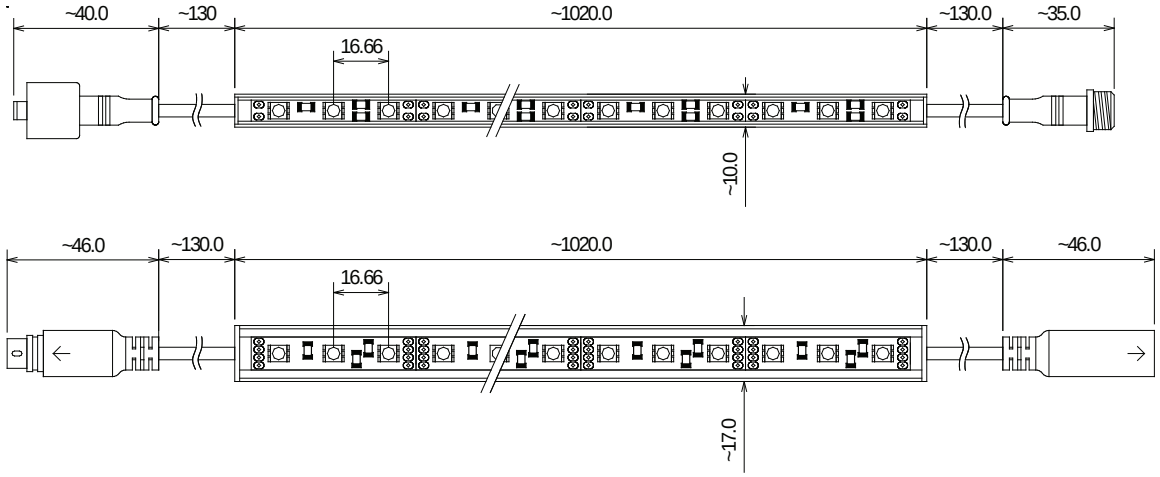
IP65 Protection
preassembled connectors

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Iv (typ.)
LS1-N01B-02	warm-white	3000-4000°K	810
LS1-S01B-02	natural-white	4000-5000°K	960
LS1-W01B-02	white	6000-7000°K	960
	red	635nm	48
LS1-F01B-02	green	520nm	90
	blue	470nm	22

Single Colour Stripe includes 1pcs of mounting kit P/N: LS1-ZUB-01
RGB Colour Stripe includes 1pcs of mounting kit P/N: LS1-ZUB-02

Dimensions



Sloan_03_GK_LED-Module_14B

Please note: Do not connect more than 6 Light Stripe (Alu-profile 0.51m) or 3 Light Stripe (Alu-profile 1.02m) in serie.

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

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

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SLOAN
PRECISION OPTOELECTRONICS

Accessories for Stripe with Alu-profile

LS1-ZUB-01 Mounting kit for LS1 single colour

LS1-ZUB-02 Mounting kit for LS1 RGB colour

Sloan_03_GK_LED-Module_14B

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SLOAN
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12V Flexiprint IP67

(LED 5mm)

Specifications

Voltage	12V
Wattage, Current	3.84W, 320mA 48LED's (485mm) 7.68W, 640mA 96LED's (965mm)
Operating Temperature	-15°~+40°C
Storage Temperature	-40°~+80°C
Viewing Angle	120°
CE/RoHS compliant	

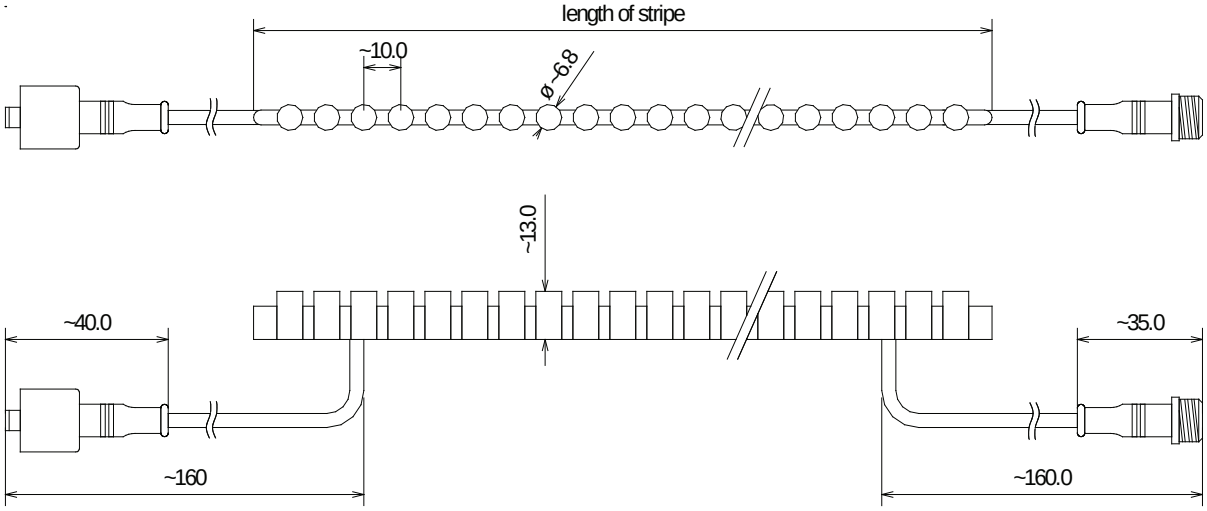
Benefits

IP67 Protection
preassembled connectors

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity Im (typ.)	Length of Stripe
FS-W01B-01	white	6000-7000°K	160-190	485mm
FS-W01B-02	white	6000-7000°K	320-380	965mm
FS-N01B-01	warm-white	3000-3500°K	130-160	485mm
FS-N01B-02	warm-white	3000-3500°K	260-320	965mm

Dimensions



Sloan_03_GK_LED-Module_14B

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

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

SLOAN
PRECISION OPTOELECTRONICS

12V Channel Letters

(PLCC6)

Specifications

Voltage	12V
Wattage / Current	1.15W / 0.96mA (single colour) 3x0.33W / 0.84mA (RGB)
Operating Temperature	-15°~+55°C
Storage Temperature	-40°~+80°C
Viewing Angle	100° (single colour) 80° (RGB)

CE/RoHS compliant

Benefits

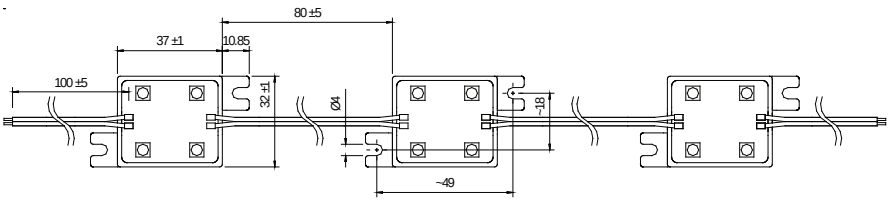
IP64 Protection
easy cutting between every module

Electrical and Optical Characteristics (Ta=25°C)

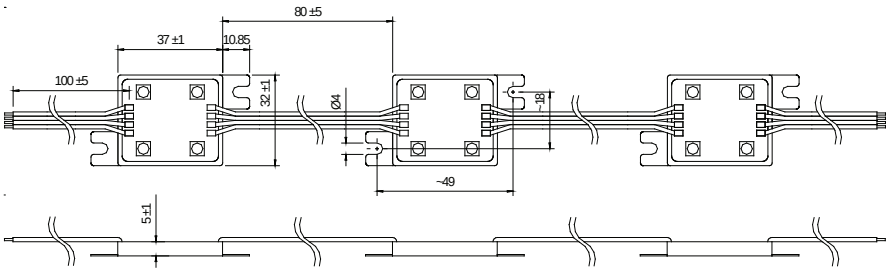
Part Number	Colour	Wavelength	Intensity Im per unit (typ.)
CLA4-B01B-02	blue	465-470nm	4
CLA4-B01B-02	green	515-520nm	16
CLA4-B01B-02	warm-white	3000-4000°K	54
CLA4-B01B-02	red	623-635nm	8.5
CLA4-B01B-02	white	6000-7000°K	64
CLA4-B01B-02	yellow	585-590nm	7
	red	615-625nm	3.2
CLA4-F01B-01	green	515-525nm	6
	blue	470-475nm	1.5

Dimensions

Single Colour



RGB Colour



Sloan_03_GK_LED-Module_14B

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2. Tolerance is ±0.25mm unless otherwise specified
3. Specifications are subject to change without notice

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

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12V Channel Letters

(PLCC6)

Specifications

Voltage	12V
Current	60mA
Wattage	0.72W
Operating Temperature	-15°~+55°C
Storage Temperature	-40°~+80°C
Viewing Angle	100° (single colour) 80° (RGB)

CE/RoHS compliant

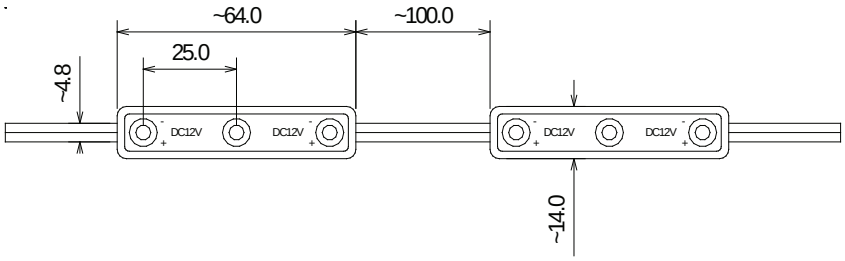
Benefits

IP64 Protection
easy cutting between every module
Adhesive tape on backside

Electrical and Optical Characteristics (Ta=25°C)

Part Number	Colour	Wavelength	Intensity lm per unit (typ.)
CLP3-W01B-01	white	6000-7000°K	48
CLP3-N01B-01	warm-white	3000-3500°K	41

Dimensions



Thickness: 5.9 mm

Sloan_03_GK_LED-Module_14B

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

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

Power Supply

117 04 003

Power Supply 12V / 2.08A (wall-mounted type)

Input:	230V AC / 50Hz
Output:	12V DC / 2.08A
Terminal:	DC-Jack Øinternal = 2.1mm (female)
	Øexternal = 5.5mm
Dimensions:	79 x 54 x 33 mm

117 00 004

Power Supply 12V / 2.08A

Input:	230V AC / 50Hz
Output:	12V DC / 2.08A
Terminal:	DC-Jack Øinternal = 2.1mm (female)
	Øexternal = 5.5mm
Dimensions:	79 x 54 x 33 mm

Without mains-cable

117 00 005

Power Supply 12V / 5A

Input:	230V AC / 50Hz
Output:	12V DC / 5.0A
Terminal:	DC-Jack Øinternal = 2.1mm (female)
	Øexternal = 5.5mm
Dimensions:	125 x 50 x 31.5 mm

Without mains-cable

117 01 010

Power Supply 12V / 12.5A

Input:	230V AC / 50Hz
Terminal:	screw-type
Output:	12V DC / 12.5A
Terminal:	screw-type
Dimensions:	199 x 98 x 38 mm

117 00 006

Power Supply 24V / 3.75A

Input:	230V AC / 50Hz
Output:	24V DC / 3.75A
Terminal:	DC-Jack Øinternal = 2.1mm (female)
	Øexternal = 5.5mm
Dimensions:	145 x 60 x 32 mm

Without mains-cable

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Power Supply

117 00 007

Power Supply 12V / 2.5A

Input:	230V AC / 50Hz
Terminal:	screw-type
Output:	12V DC / 2.5A
Terminal:	screw-type
Dimensions:	160 x 46 x 30 mm

117 00 008

Power Supply 12V / 5A

Input:	230V AC / 50Hz
Terminal:	screw-type
Output:	12V DC / 5A
Terminal:	screw-type
Dimensions:	182 x 62 x 35 mm

117 00 009

Power Supply 24V / 4A

Input:	230V AC / 50Hz
Terminal:	screw-type
Output:	24V DC / 4A
Terminal:	screw-type
Dimensions:	201 x 70 x 35 mm

117 01 012

Power Supply 24V / 10A

Input:	230V AC / 50Hz
Terminal:	screw-type
Output:	24V DC / 10A
Terminal:	screw-type
Dimensions:	190 x 93 x 50 mm

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Controller

117 03 016

RGB Controller (incl. Remote & Battery)

Input:	12V DC / 24V DC
Terminal:	DC-Jack Øinternal = 2.1 mm (male)
	Øexternal = 5.5 mm
Output:	12V DC/ 24V DC / max. 10A
Remote:	RC (radio control)
Dimensions:	113 x 64 x 24 mm

118 00 002

Battery (for RGB Controller)

Voltage:	12V
Typ:	27A

To use with 117 03 016

117 03 030

RGB Remote

Output-Signal:	RF
Dimensions:	114 x 41 x 7 mm

built-in battery, charge by USB wire (included)
To use with 117 03 031

117 03 031

RGB Controller

Input:	12-36V DC
Terminal:	screw
Output:	12-36V DC 3 x 5A
Terminals:	screw
Dimensions:	160 x 45 x 20 mm

Controller

117 03 024

RGBW Remote
Output-Signal: RF
Dimensions: 140 x 48 mm
Batteries: 3x1.5V AAA (not included)
To use with 117 03 022

117 03 025

Dual White Remote
Output-Signal: RF
Dimensions: 140 x 48 mm
Batteries: 3x1.5V AAA (not included)
To use with 117 03 022

117 03 022

RGBW & Dual White Controller
Input: 12-36V DC
Terminal: screw
Output: 12-36V DC 4 x 5A
Terminals: screw
Dimensions: 177 x 57 x 20 mm

117 03 040

Cold, Natural, Warm-White Remote
Output-Signal: RF
Dimensions: 114 x 41 x 7 mm
built-in battery, charge by USB wire (included)
To use with 117 03 041

117 03 041

Cold, Natural, Warm-White Controller
Input: 12-36V DC
Terminal: Screw
Output: 12-36V DC 3 x 5A
Terminals: Screw
Dimensions: 160 x 45 x 20 mm

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Controller

117 03 050

Single Channel Remote

Output-Signal:	RF
Dimensions:	Ø 32 x 12 mm
Battery:	CR 2025

To use with 117 03 051

117 03 051

Channel Controller

Input:	12-36V DC
Terminal:	Screw
Output:	12-36V DC 4 x 5A
Terminals:	Screw
Dimensions:	160 x 45 x 20 mm

117 03 070

DMX Decoder

Input:	12-36V DC
Input-Signal:	DMX
Terminal:	Screw
Output:	12-36V DC 4 x 5A
Terminals:	Screw
Dimensions:	160 x 45 x 20 mm

117 03 060

Power Repeater (Amplifier)

Input:	12-36V DC
Terminal:	Screw
Output:	12-36V DC 4 x 5A
Terminals:	Screw
Dimensions:	160 x 45 x 20 mm

To use with 117 03 031, 041, 051, 060, 070

117 03 005

Dimmer manual Single colour

Input:	12V DC / 24V DC
Terminal:	Screw
Output:	12V DC / 24V DC / 8A
Terminal:	Screw
Dimensions:	89 x 59 x 36 mm

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Accessories

107 00 017

DC-Power Jack

Internal Ø:	2.1 mm
External Ø:	5.5 mm
Cable max. Ø:	4.2 mm

116 02 003

Cable with DC-Power Jack

Internal Ø:	2.1 mm
External Ø:	5.5 mm
Cable Length:	1.2 m
Cable Colour:	white

116 02 015

DC-Power Jack IP67

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

116 02 016

DC-Power Jack IP67

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

116 02 009

Cable with DC-Power Jack IP67

Internal Ø:	2.1 mm
External Ø:	5.5 mm
Cable Length:	1.2 m
Cable Colour:	transparent

116 02 004

Cable with DC-Power Jack IP67

Internal Ø:	2.1 mm
External Ø:	5.5 mm
Cable Length:	10 m
Cable Colour:	transparent

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Accessories

116 02 013

Mini-DIN 4 Cable male/female IP67

Cable Length:	1.2 m
Cable Colour:	black

116 00 053

5-pol cable for RGBW

Dimension:	5 x AWG24 (0.2 mm^2)
Cable Length:	1.5 m
Cable Colour:	black/green/red/blue/white
Cable end:	tinned

116 00 053-1

5-pol cable for RGBW

Dimension:	5 x AWG24 (0.2 mm^2)
Cable Length:	cut per meter
Cable Colour:	black/green/red/blue/white

116 00 012

4-pol cable for RGB

Dimension:	4 x 0.5 mm^2
Cable Length:	2 m
Cable Colour:	grey
Cable end:	sleeves/tinned

116 00 012-1

4-pol cable for RGB

Dimension:	4 x 0.5 mm^2
Cable Length:	cut per meter
Cable Colour:	grey

A-05ZN-L-R-I (red)
A-05ZN-L-S-I (black)

Stranded wire

Dimension:	1 x 0.5 mm^2
Cable Length:	cut per meter
Cable Colour:	red or black

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Accessories

116 02 006

Main cable, 220/240 V connection

Connector	with Schuko plug
Length:	2 m
To use with Power Supply:	117 00 005 / 117 00 006

116 02 008

Main cable, 220/240 V connection

Connector:	with Swiss T13 plug
Length:	1.8 m
To use with Power Supply:	117 00 005 / 117 00 006

116 02 007

Main cable, 220/240 V connection

Connector:	with 2-pin Euro plug
Length:	1.8 m
To use with Power Supply:	117 00 004

116 00 055

4-pol cable for RGB

Dimension:	3 x 0.5 mm^2, 1 x 0.75 mm^2
Diameter:	5.7mm +/- 0.3
Cable Length:	cut per meter
Cable Colour:	green/red/blue/white-purple halogen-free

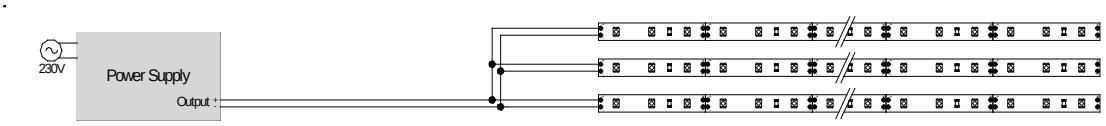
116 00 056

5-pol cable for RGBW

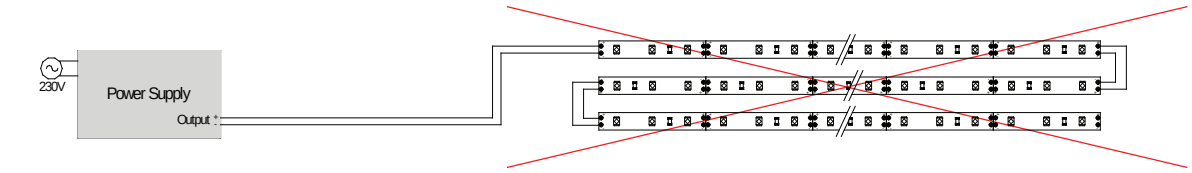
Dimension:	4 x 0.5 mm^2, 1 x 0.75 mm^2
Diameter:	6.4 mm +/-0.3
Cable Length:	cut per meter
Cable Colour:	green/red/blue/white/white-purple halogen-free

Wiring Instructions

Single Colour Wiring

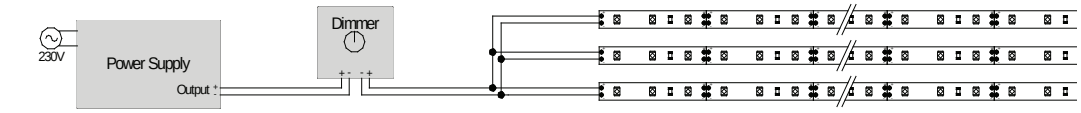


do not connect like this

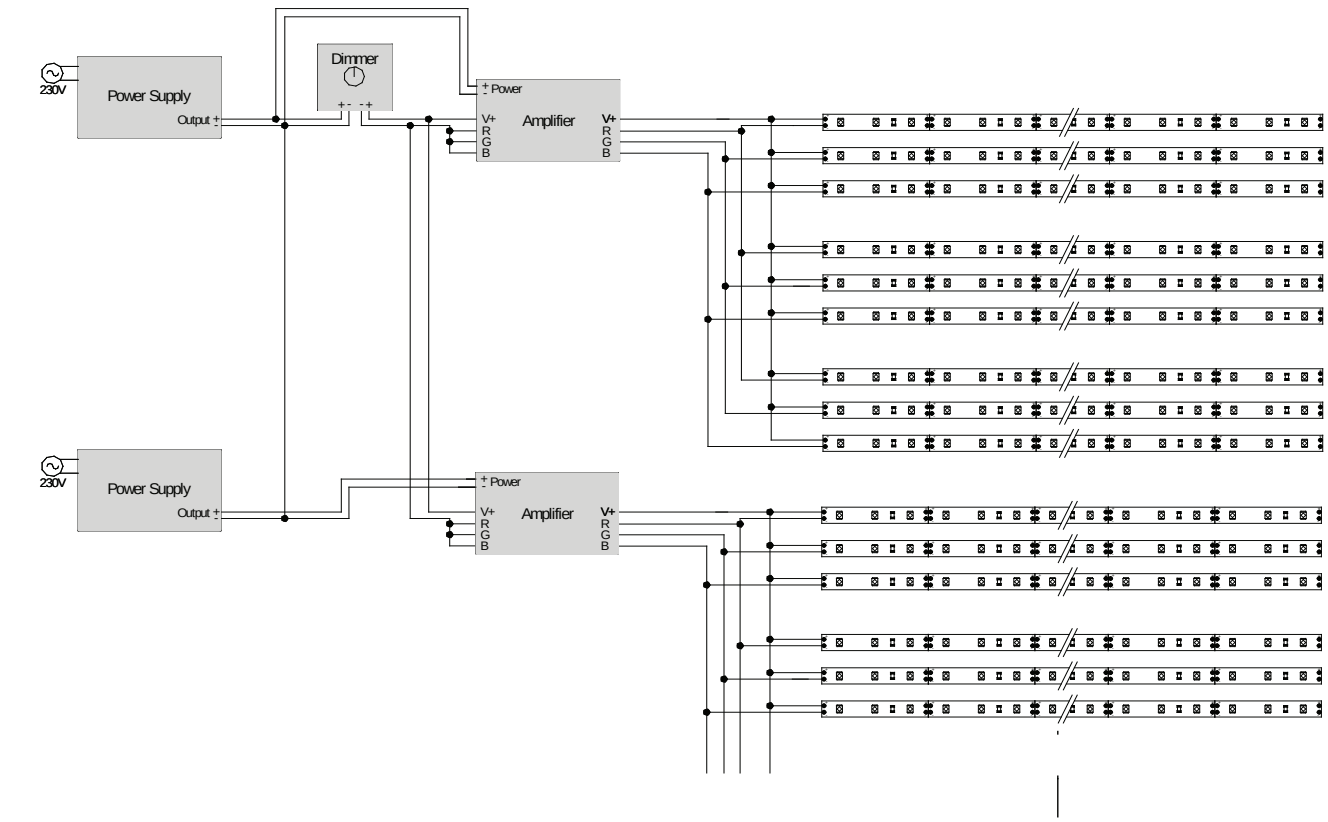


Single Colour Wiring with manual Dimer

for up to 3 reels

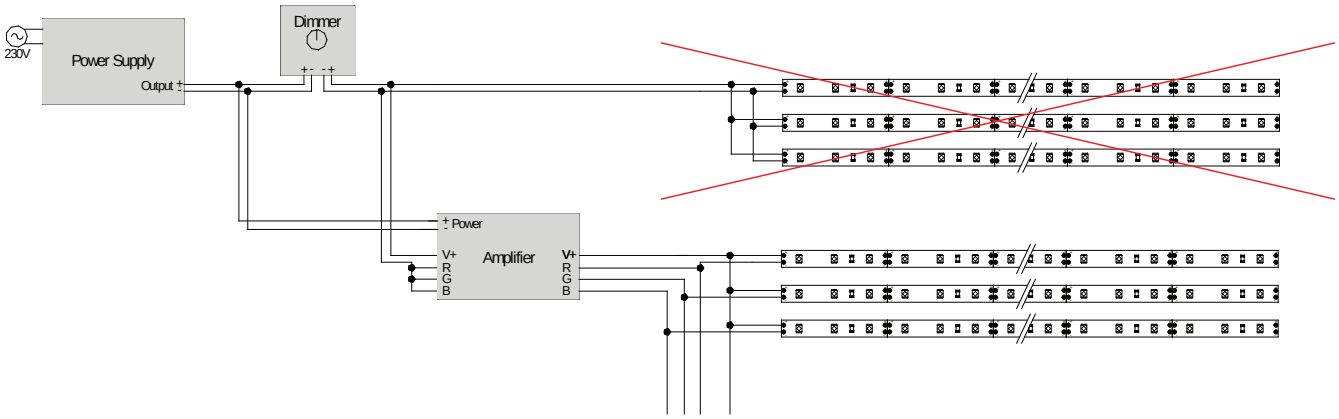


for more than 3 reels (multi power supply)



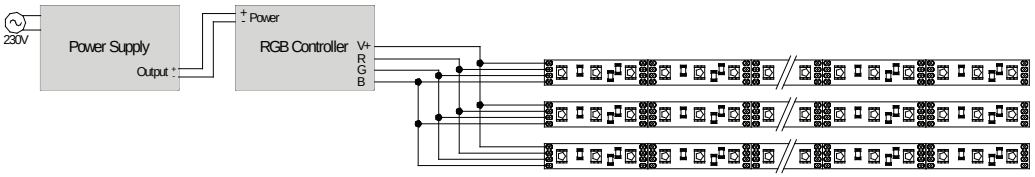
Sloan_03_GK_LED-Module_14B

do not connect like this



Full Colour Wiring

for up to 3 reels



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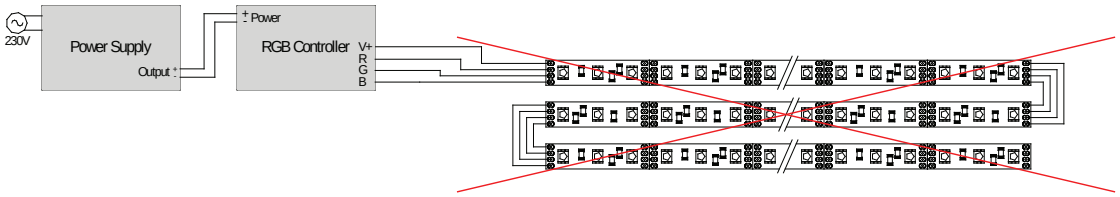
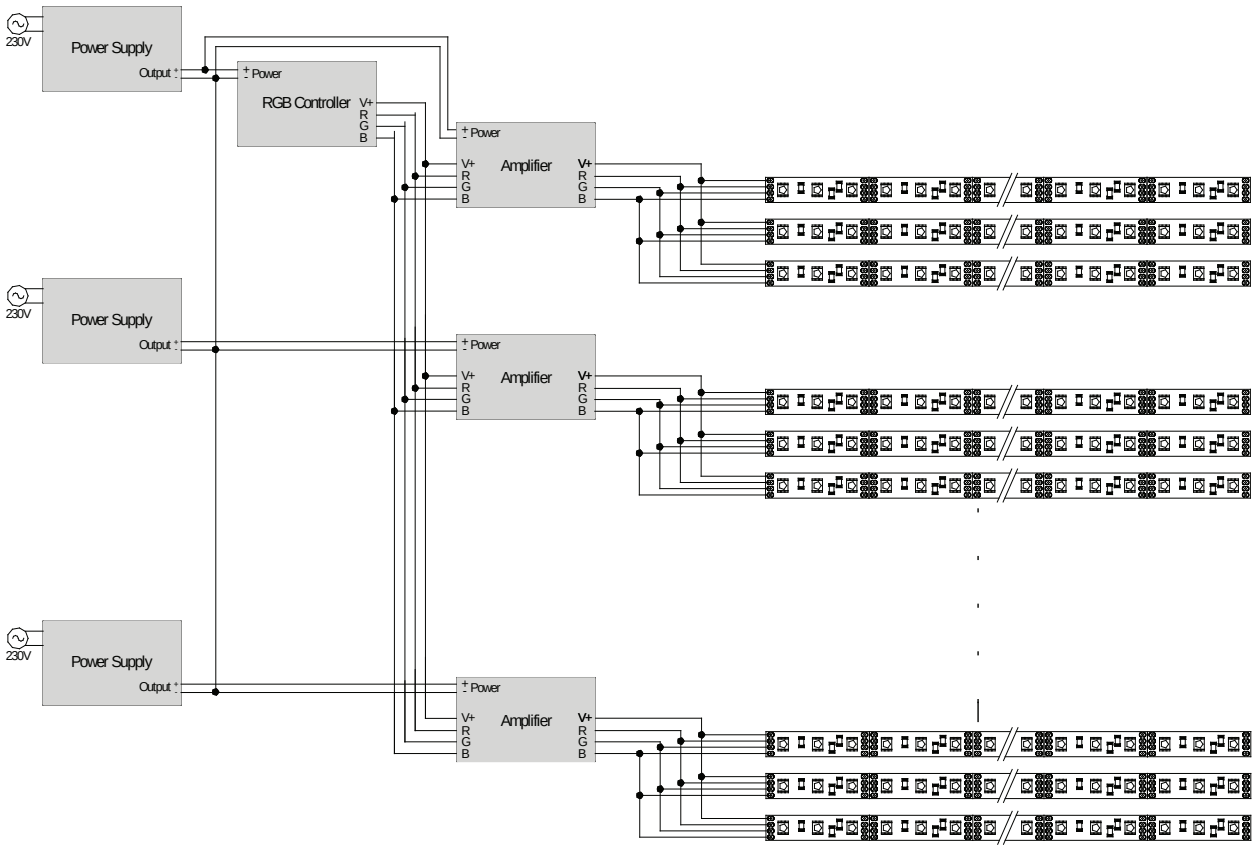
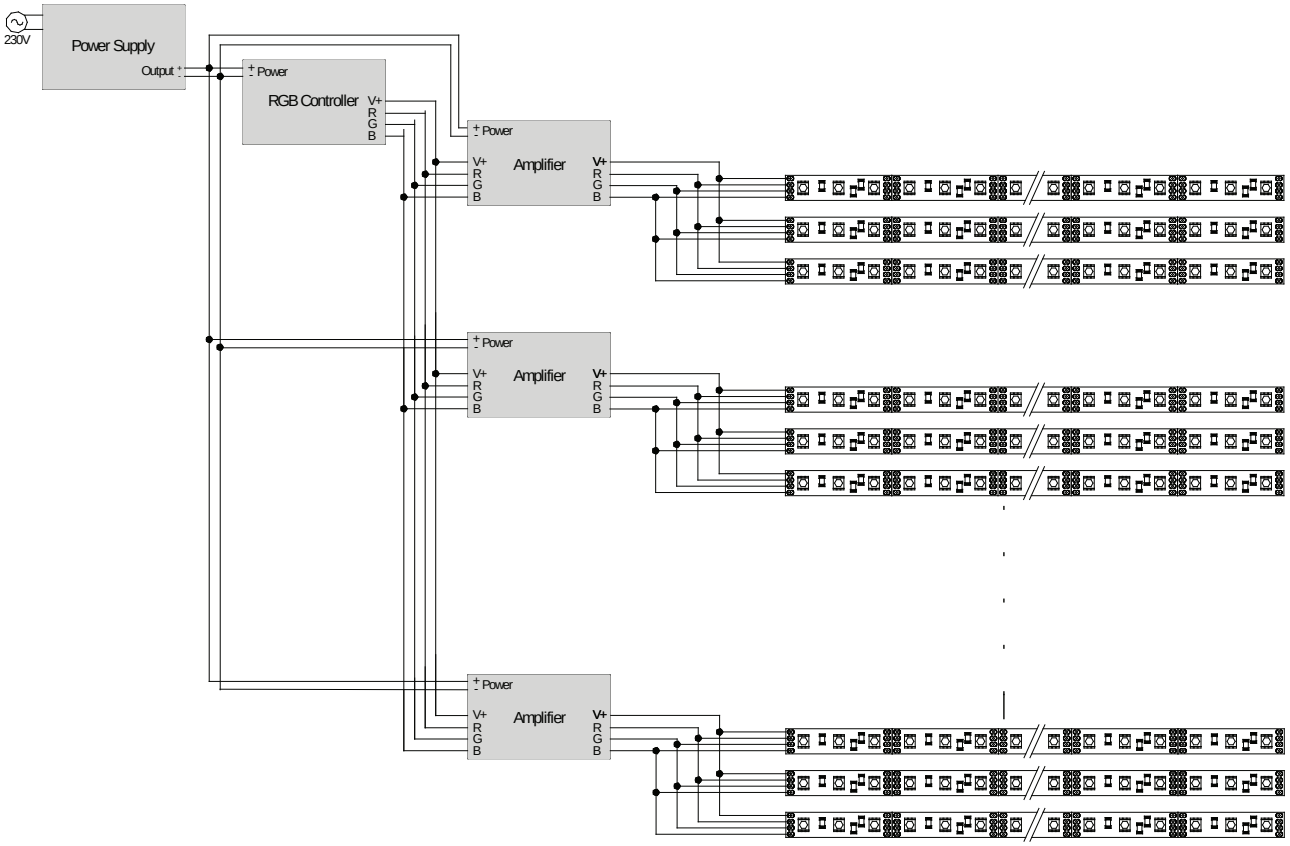


for more than 3 reels (multi power supply)



Sloan_03_GK_LED-Module_14B

for more than 3 reels (multi power supply)



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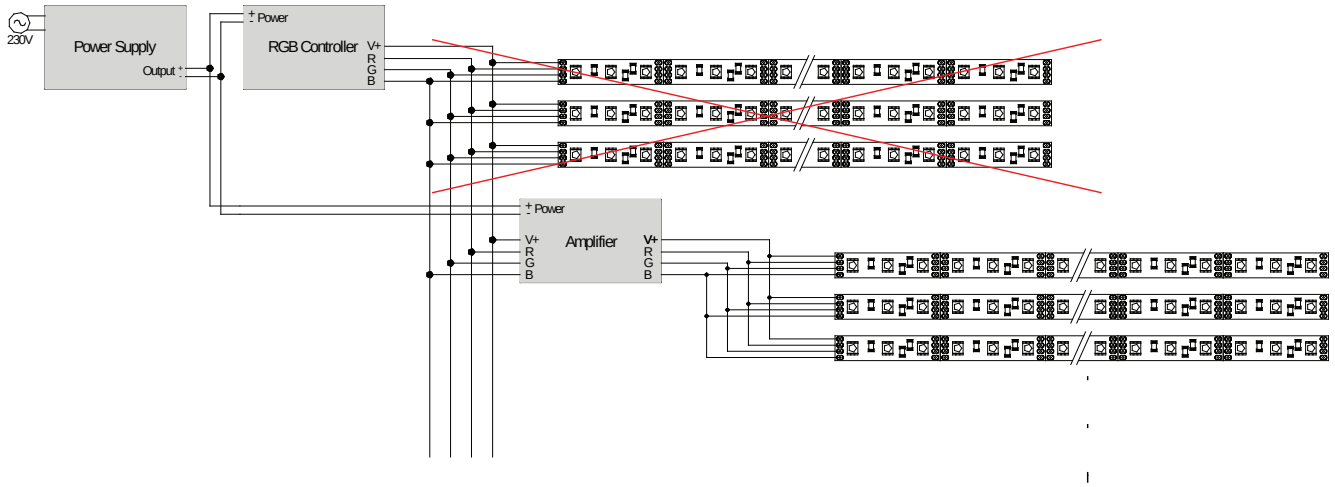

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General Information for Flexiprint and LED Modules

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 and IP67 LED strip will loose waterproof-protection after beeing cut.
- The LED strip can not be used in an environment with acid and/or alkali.

Colour offset for IP64 /IP67 with silicone cover

- The indicated colour temperature of the IP64/IP65/IP67 LED strips is determined by the colour temperature of the built in LED's. The emitted colour of the IP64, IP65 and IP67 LED strips will differ from the indicated colour due to the silicone cover over the LED's Acting as a filter. The emitted colour will tend to be colder than the indicated colour, in other words the lightcolour 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 = 3000-3500°K	~3800-4500°K
S = 4000-5000°K	~5000-7000°K
W = 6000-7000°K	~8000-13000°K

Brightness offset for IP64/IP65/IP67 with silicone cover

- The indicated brightness of the IP65/IP67 LED strips is determined by the brightness of the built in LED's. The effective emitted brightness will be different for IP64/IP65/IP67 products, because of the silicone cover acting as a filter. The reduction of lightoutput for IP64/IP65 products is about ~5%, for IP67 products about ~10%.

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 LED strip only at cut markings.
- Do not edge-bend or overbend Flexiprint LED products. Do not repeatedly bend Flexprint LED products. The allowed bending radius for standard LED strips is min. 50mm, for IP64 and IP67 strips min. 100mm.
- LED stips have to be installed on a clean, even and solid heat dissipative surface, e.g. an aluminium profile. Do not cover the LED strips. 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 LED directly on wood, plastic, paint or any flammable surface. If the heat dissipation is unsufficient the Flexiprint LED strip 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 strip(s) 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 LED strip, 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 the LED strip.
- 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 strips in a row (serial connection). Serial connection may cause voltage drop which will result in an unequally distributed lightoutput (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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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.

Sloan AG

Designs, manufactures and distributes electronic and electrooptical components which meet the highest standards for quality, durability and performance. In more than 30 years of service to the military and commercial markets SLOAN has developed the largest range of quality indicators and continues to introduce new, up-to-date products.
A development department, innovative and quickly responding, can realize designs of optoelectronic products according to customers specifications.
SLOAN offers an extensive range of waterproof devices for security equipments. Rugged metalhousings, shock and vibrationproof, ultrabright LED indicators, sunlight visibility, viewing angle of more than 180° with LED's, are further advantages of the SLOAN range with which we satisfy our customers demands.
SLOAN's longstanding experience and innovations is a guarantee to provide customers with superior products, standard or custom designed, at reasonable cost.

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2014-10/1000

SLOAN AG was founded 1967 in Basel, Switzerland