

PIXEL SERIES



PIXEL

The system supports a wide range of SPI control ICs, including SK6812, MT1809, WS2818, WS2811, and UCS1903H, offering flexible configuration and compatibility with various controllers.

Each LED can be addressed individually as a single pixel, or configured with multiple pixel densities such as 10 pixels/m, 20 pixels/m, or 60 pixels/m, enabling precise control over lighting effects and resolution.

With SPI control, users can create vivid colour-changing effects, smooth gradients, dynamic chases, pulsating patterns, and complex animations.

These effects can be easily programmed, synchronised and customized for immersive and engaging visual experiences.



Omni Via



PIXEL SERIES RGB 60

5050-10MM

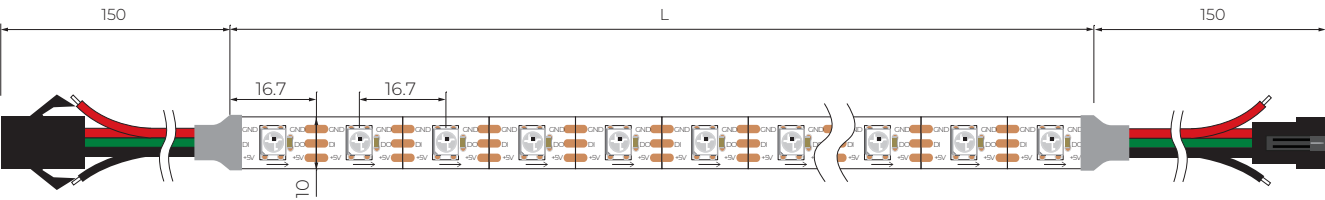
SPI control by IC SK6812.

Small cuttable lengths to support widely customisable lengths for precise site installation.

To realise colour-changing effects, gradients, chases, pulsating patterns and animations. These effects can be easily programmed and synchronised for captivating visual displays.



Dimensions



Technical Data

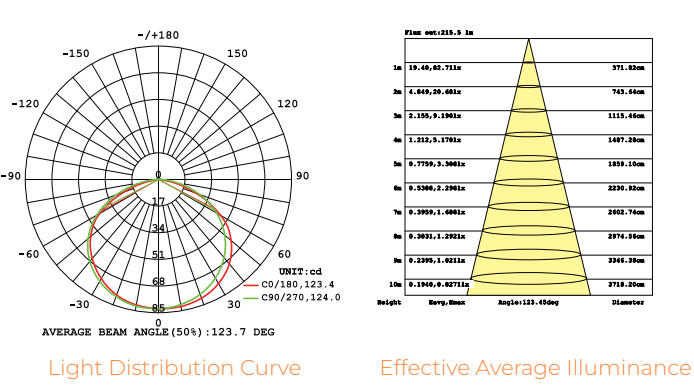
Input voltage	DC5V
Pixels/m	60
IC Model	SK6812
Beam angle	120°
LED Chips/m	60LEDs
LONG-life LED	30000h
Working temperture	-25 C ~+45 C
Cuttable length(mm)	16.66
PCB Width(mm)	10

Digital
SPI

Voltage
5v DC

Consistency
One Bin

Warranty
3 Years



CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	4	70	5	CV
G	4	185.6	5	CV
B	4	36.8	5	CV
RGB	10.6	262.0	5	CV

*CV: Constant Voltage, CC: Constant Current.

PIXEL SERIES 60

5050-10MM

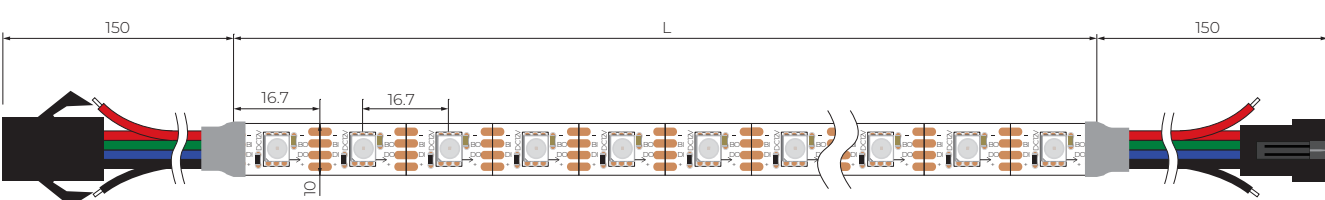
SPI control by IC MT1809.

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Dimensions



Technical Data

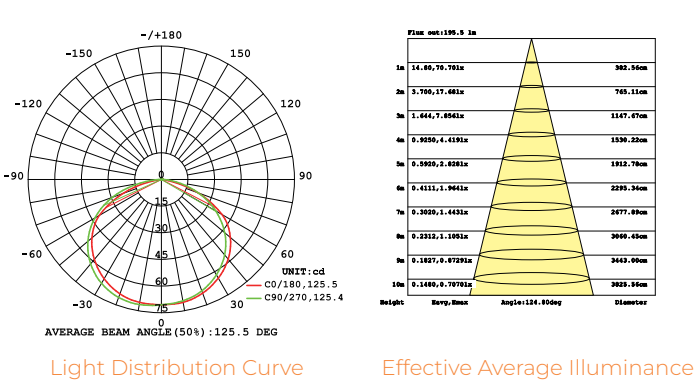
Input voltage	DC12V
Pixels/m	60
IC Model	MT1809
Beam angle	120°
LED Chips/m	60LEDs
LONG-life LED	30000h
Working temperture	-25 C ~+45 C
Cuttable length(mm)	16.66
PCB Width(mm)	10

Digital
SPI

Voltage
12v DC

Consistency
One Bin

Warranty
3 Years



CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	8	47.2	5	CV
G	8	161.6	5	CV
B	8	34.4	5	CV
RGB	8	239.4	5	CV

*CV: Constant Voltage, CC: Constant Current.

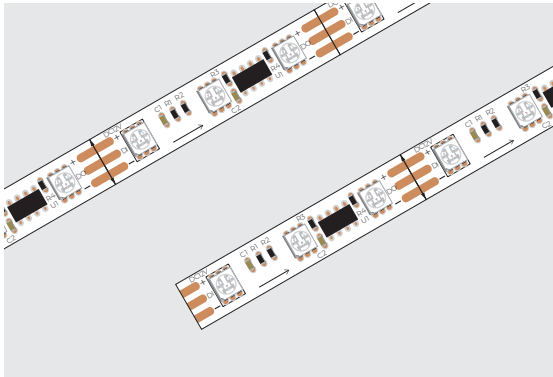
PIXEL SERIES RGB 60

5050-10MM

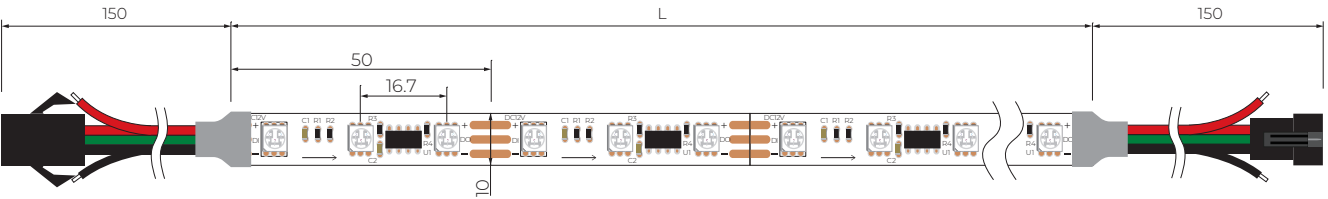
SPI control by IC WS2818.

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Dimensions



Technical Data

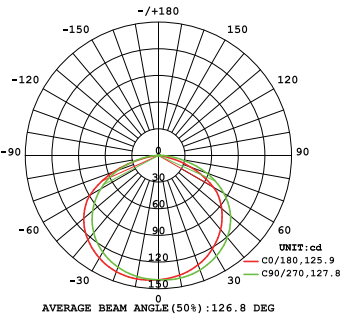
Input voltage	DC12V
Pixels/m	20
IC Model	WS2818
Beam angle	120°
LED Chips/m	60LEDs
LONG-life LED	30000h
Working temperture	-25 °C ~+45 °C
Cuttable length(mm)	50
PCB Width(mm)	10

Digital
SPI

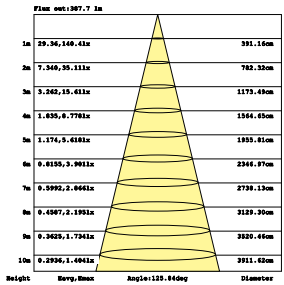
Voltage
12v DC

Consistency
One Bin

Warranty
3 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	4	95.6	5	CV
G	4	327.6	5	CV
B	4	56	5	CV
RGB	12	514.9	5	CV

*CV: Constant Voltage, CC: Constant Current.

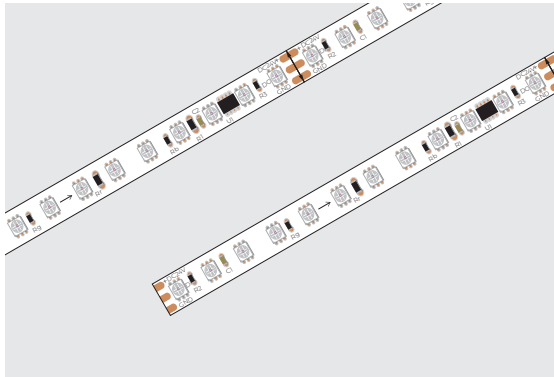
PIXEL SERIES RGB 120

2835-8MM

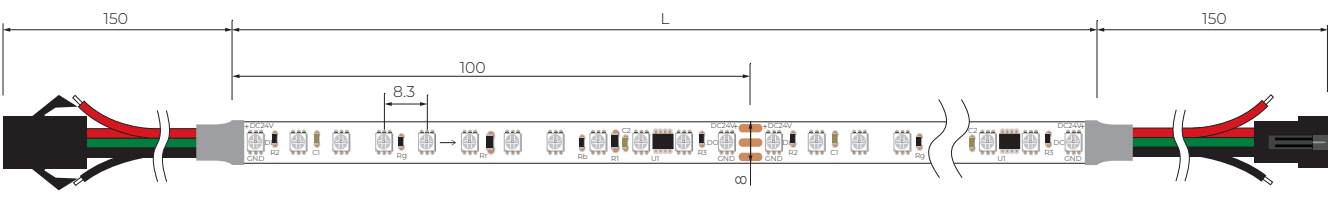
SPI control by IC WS2811.

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Dimensions



Technical Data

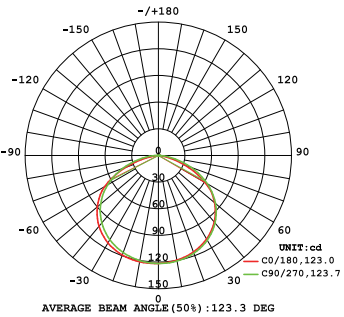
Input voltage	DC24V
Pixels/m	10
IC Model	WS2811
Beam angle	120°
LED Chips/m	120LEDs
LONG-life LED	30000h
Working temperture	-25 °C ~+45 °C
Cuttable length(mm)	100
PCB Width(mm)	8

Digital
SPI

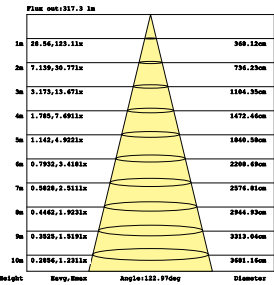
Voltage
24v DC

Consistency
One Bin

Warranty
3 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	4.8	101.28	5	CV
G	4.8	296.16	5	CV
B	4.8	42.72	5	CV
RGB	12	418.3	5	CV

*CV: Constant Voltage, CC: Constant Current.

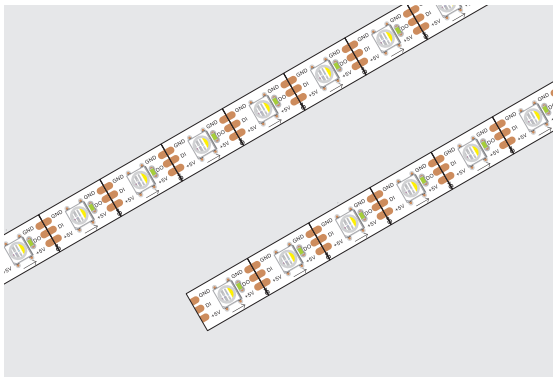
PIXEL SERIES RGBW 60

5050-10MM

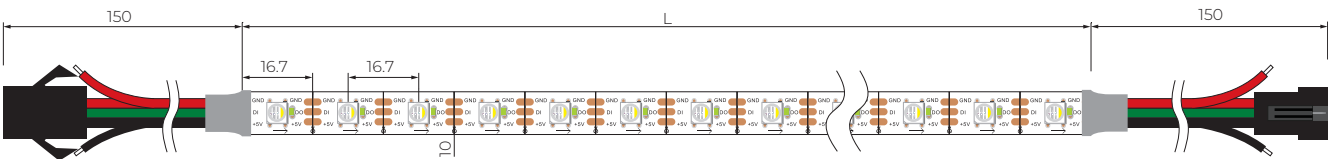
SPI control by IC SK6812.

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Dimensions



Technical Data

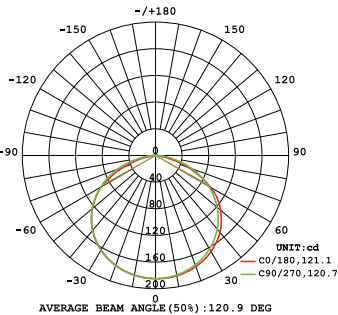
Input voltage	DC5V
CRI(Ra)	>90
Pixels/m	60
IC Model	SK6812
Beam angle	120°
LED Chips/m	60LEDs
LONG-life LED	30000h
Working temperture	-25 °C ~+45 °C
Cuttable length(mm)	16.66
PCB Width(mm)	10

Digital
SPI

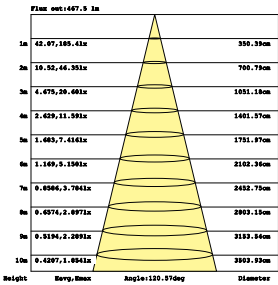
Voltage
5v DC

Consistency
One Bin

Warranty
3 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	2.5	42	5	CV
G	2.5	127.5	5	CV
B	2.5	32.75	5	CV
4000K	5	384.5	5	CV
RGBW	12	578.6	5	CV

*CV: Constant Voltage, CC: Constant Current.

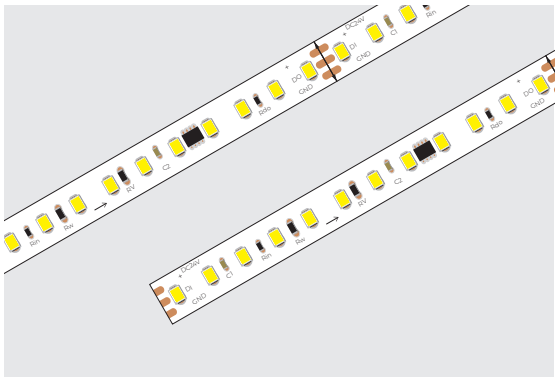
PIXEL SERIES 120

2835-10MM

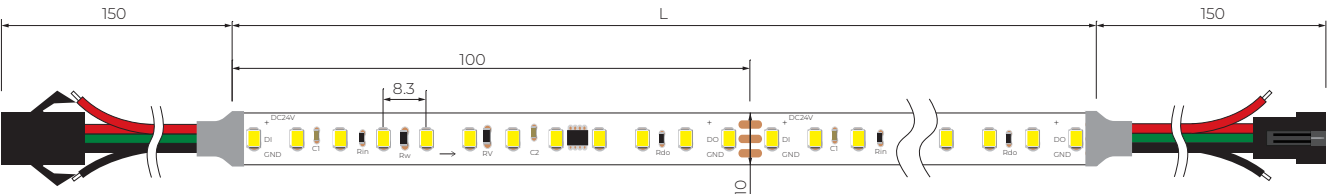
SPI control by IC UCS1903H.

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Dimensions



Technical Data

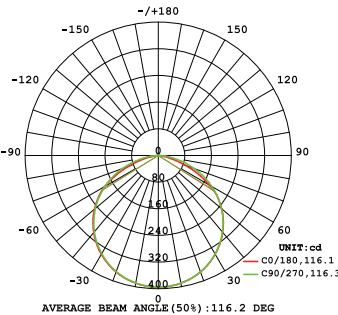
Input voltage	DC24V
CRI(Ra)	>90
SDCM	3
Pixels/m	10
IC Model	UCS1903H
Beam angle	120°
LED Chips/m	120LEDs
LONG-life LED	30000h
Working temperture	-25 °C ~+45 °C
Cuttable length(mm)	100
PCB Width(mm)	10

Digital
SPI

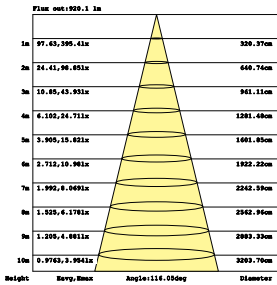
Voltage
24v DC

Consistency
One Bin

Warranty
3 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
2700K	14	996	5	CV
3000K	14	1036	5	CV
4000K	14	1167.9	5	CV
6500K	14	1188	5	CV

*CV: Constant Voltage, CC: Constant Current.