

RGBCW SERIES



RGBCW

The RGBCW (Red, Green, Blue, Cold White, Warm White) colour-changing capability allows for the creation of an extensive range of hues, shades, and bespoke colour combinations to suit a wide variety of applications.

It delivers vibrant and dynamic lighting effects with smart control compatibility, enabling seamless adjustment of colour temperature, brightness, and transitions.

Available with separate RGB + Warm White + Cold White LEDs or integrated 5-in-1 LED configurations, this system provides exceptional colour accuracy and uniformity, achieving white colour consistency within $\leq$ SDCM3.



Omni Via



RGBCW SERIES 210

5050RGB-2835CW-12MM

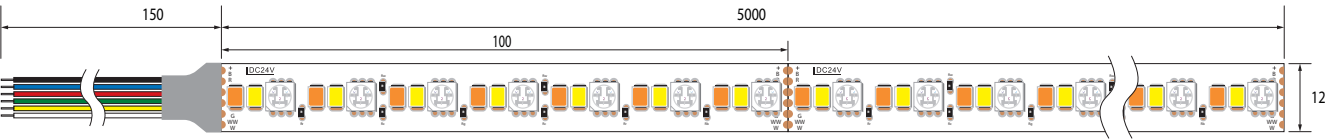
RGBCW multiple colours.

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

It is IP20, which can be upgraded to IP54, IP65, IP67 protection.



Dimensions



Technical Data

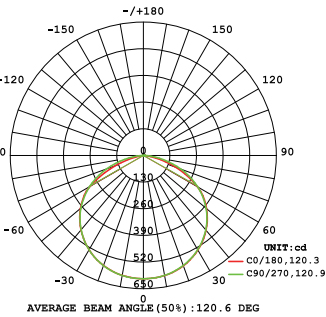
Input voltage	DC24V
CRI(Ra)	>90
Lm/w@RGBCW	66.4
Beam angle	120°
LED Chips/m	210LEDs
LONG-life LED	50000h
Working temperture	-25 C ~+45 C
Cuttable length(mm)	100
PCB Width(mm)	12

Voltage
24v DC

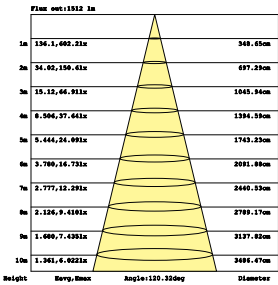
3-Step
MacAdam

Consistency
One Bin

Warranty
5 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	5.28	161.0	5	CV
G	5.28	495.8	5	CV
B	5.28	82.9	5	CV
2400K	5.28	501.1	5	CV
6500K	5.28	573.9	5	CV
RGBCW	26.4	1753.0	5	CV

*CV: Constant Voltage, CC: Constant Current.

RGBCW SERIES 360

3838RGB-2010CW-12MM

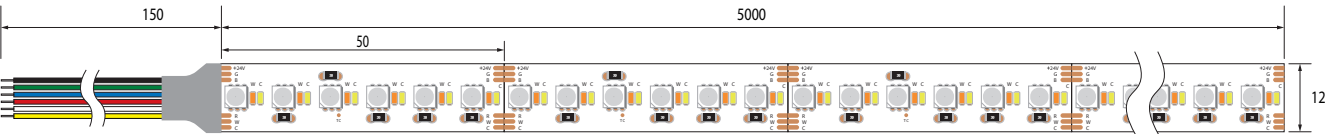
RGBCW multiple colours.

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

It is IP20, which can be upgraded to IP54, IP65, IP67 and IP68 protection.



Dimensions



Technical Data

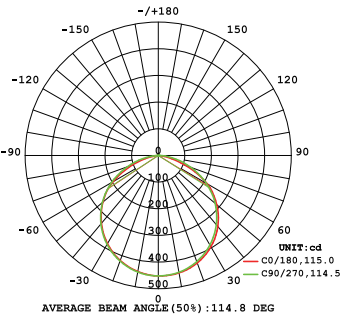
Input voltage	DC24V
CRI(Ra)	>95
Lm/w@RGBCW	53.4
Beam angle	120°
LED Chips/m	360LEDs
LONG-life LED	50000h
Working temperture	-25 C ~+45 C
Cuttable length(mm)	50
PCB Width(mm)	12

Voltage
5v DC

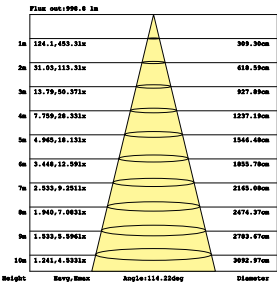
3-Step
MacAdam

Consistency
One Bin

Warranty
5 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	4.8	136.3	5	CV
G	4.8	378.7	5	CV
B	4.8	82.1	5	CV
2400K	4.8	305.3	5	CV
6500K	4.8	421.9	5	CV
RGBCW	24	1281.6	5	CV

*CV: Constant Voltage, CC: Constant Current.

RGBCW SERIES 60 (5 in 1)

5050-12MM

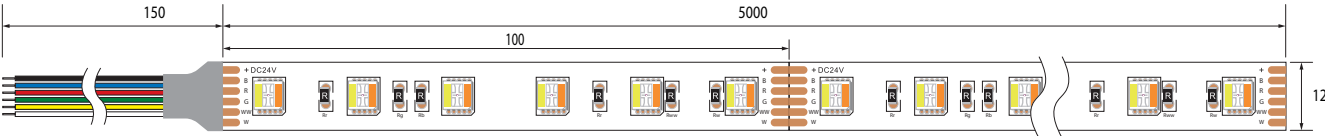
RGBCW multiple colours.

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

It is IP20, which can be upgraded to IP54, IP65, IP67 protection.



Dimensions



Technical Data

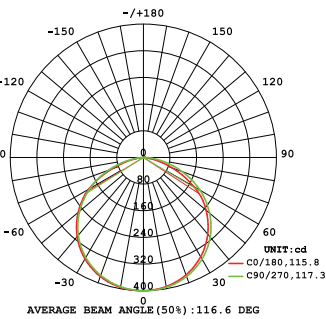
Input voltage	DC24V
CRI(Ra)	>90
Lm/w@RGBCW	60
Beam angle	120°
LED Chips/m	60LEDs
LONG-life LED	50000h
Working temperture	-25 C ~+45 C
Cuttable length(mm)	100
PCB Width(mm)	12

Voltage
24v DC

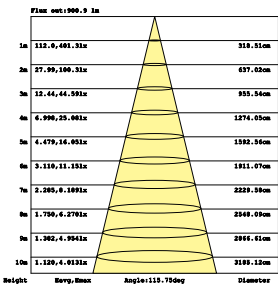
3-Step
MacAdam

Consistency
One Bin

Warranty
5 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	3.84	125.2	5	CV
G	3.84	274.9	5	CV
B	3.84	56.1	5	CV
2400K	3.84	343.7	5	CV
6500K	3.84	387.5	5	CV
RGBCW	19.2	1152.0	5	CV

*CV: Constant Voltage, CC: Constant Current.

RGBCW SERIES 96 (5 in 1)

5050-12MM

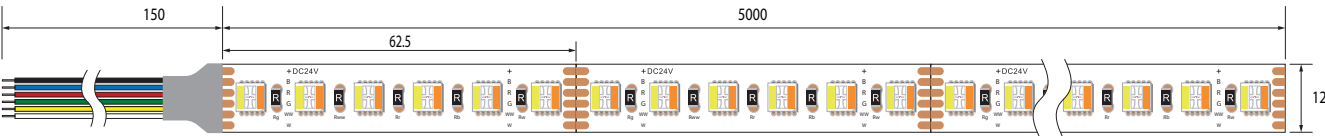
RGBCW multiple colours.

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

It is IP20, which can be upgraded to IP54, IP65, IP67 protection.



Dimensions



Technical Data

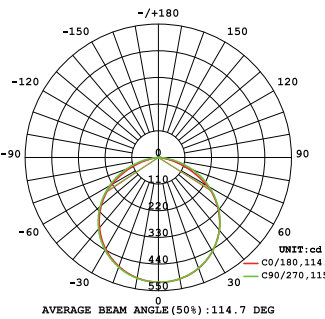
Input voltage	DC24V
CRI(Ra)	>90
Lm/w@RGBCW	60.8
Beam angle	120°
LED Chips/m	96LEDs
LONG-life LED	50000h
Working temperture	-25 C ~+45 C
Cuttable length(mm)	62.5
PCB Width(mm)	12

Voltage
5v DC

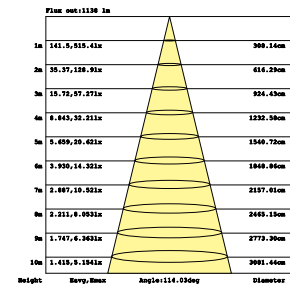
3-Step
MacAdam

Consistency
One Bin

Warranty
5 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	4.8	151.7	5	CV
G	4.8	354.7	5	CV
B	4.8	72.0	5	CV
2400K	4.8	424.8	5	CV
6500K	4.8	474.2	5	CV
RGBCW	24	1459.2	5	CV

*CV: Constant Voltage, CC: Constant Current.

RGBCW SERIES LONG RUN 15M

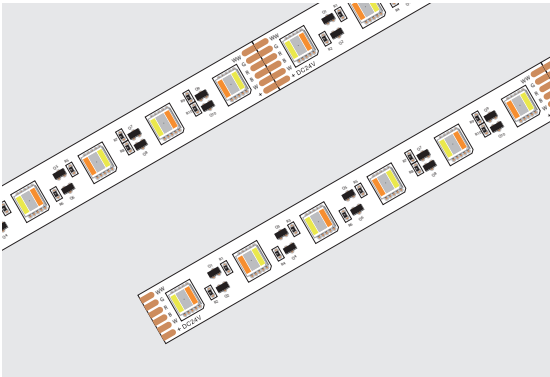
5050-15MM

RGBCW multiple colours.

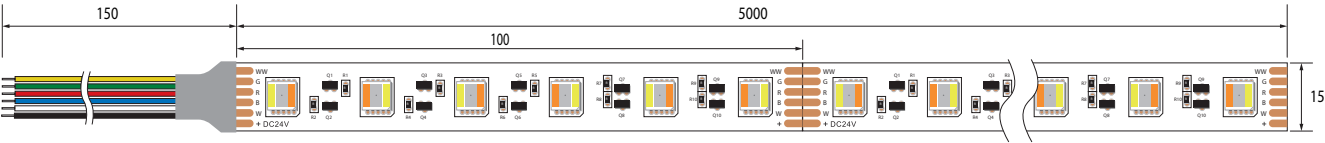
RGBCW 24V Long Run offers continuous lighting.

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

It is IP20, which can be upgraded to IP54, IP65, IP67 protection.



Dimensions



Technical Data

Input voltage	DC24V
CRI(Ra)	>90
Lm/w@RGBCW	61
Beam angle	120°
LED Chips/m	60LEDs
LONG-life LED	50000h
Working temperture	-25 C ~+45 C
Cuttable length(mm)	100
PCB Width(mm)	15

Voltage

24v DC

3-Step

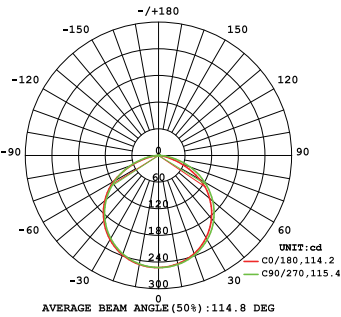
MacAdam

Consistency

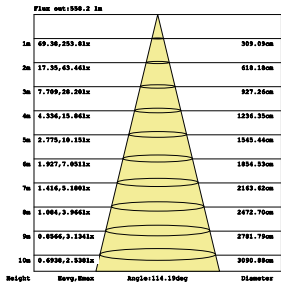
One Bin

Warranty

5 Years



Light Distribution Curve



Effective Average Illuminance

CCT (K)	Power (W/M)	Lumen (LM/M)	Max.run length(M)	CV/CC
R	2.4	71.3	15	CC
G	2.4	184.6	15	CC
B	2.4	36.7	15	CC
2400K	2.4	209.5	15	CC
6500K	2.4	234.7	15	CC
RGBCW	12	732.0	15	CC

*CV: Constant Voltage, CC: Constant Current.

