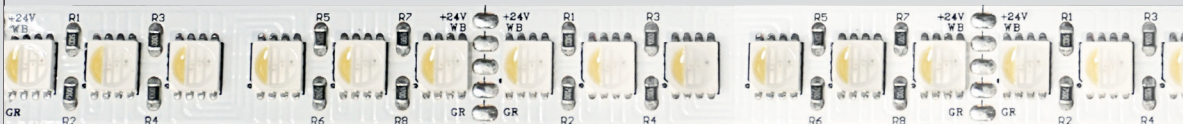




# FM12 RGBW MODULE

PROFESSIONAL RGBW FLEXIBLE  
LINEAR LED STRIP



Beam Angle: 120°

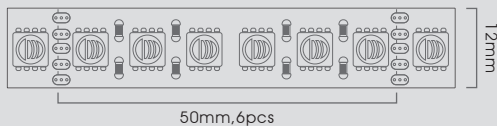


- Lifetime : Up to 50,000 hours L80 lamp life at Ta = 25°C
- Voltage : 24V DC
- Power Options : 10W/m, 15W/m, 20W/m, 25W/m, 30W/m
- Light Effect : Narrow LED pitch distance for light homogeneity
- Operating Temperature : Ta (min) = -20°C, Ta (max) = +50°C
- Wire Connection : Supplied with insulated AWG 24 wires at 200mm length
- Ingress Protection : IP20 for bare strip  
: IP65 with silicon sleeve (10W/m only)

## DRIVER OPTIONS



## DIMENSION



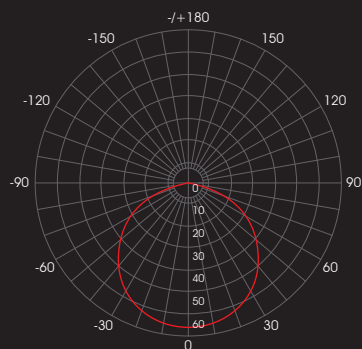
- Width x Height : 12mm x 2mm
- Cut Section : 6 LEDs, 50mm
- LED Pitch : 8mm
- LEDs per Meter : 120 LEDs/m

## CCT OPTIONS



## PHOTOMETRICS

- With FM12 RGBW 30W/m



Correction Factor : FM12 RGBW 10W/m ~ f = 0.33  
 FM12 RGBW 15W/m ~ f = 0.50  
 FM12 RGBW 20W/m ~ f = 0.67  
 FM12 RGBW 25W/m ~ f = 0.83  
 FM12 RGBW 30W/m ~ f = 1.00

## SPECIFICATIONS

CCT	Efficacy (lm/W)	RGB Wavelength (nm) / White CCT
<b>Red</b>	50	620 - 630
<b>Green</b>	76	515 - 525
<b>Blue</b>	20	460 - 470
<b>White</b>	115	3000K, 4000K, 6500K

	Power				
	10W/m	15W/m	20W/m	25W/m	30W/m
Maximum continuous length with single end power feed	5m	3.4m	2.5m	2m	1.7m

Case temperature must not exceed  $T_c$  (max) = 80°C to guarantee LED module lifetime.

- LED modules of 10W/m and below can be operated with or without aluminium profile.
- LED modules of 15W/m and above must be operated with aluminium profile as heatsink.

## ORDERING MATRIX

MODULE	Model	Power	CCT	Length	Sleeve Option
	<b>FM12</b>	<b>10</b> 10W/m <b>15</b> 15W/m <b>20</b> 20W/m <b>25</b> 25W/m <b>30</b> 30W/m	<b>RGBW30</b> RGBW(3000K) <b>RGBW40</b> RGBW(4000K) <b>RGBW65</b> RGBW(6500K)	<b>5M</b> 5m Reel*	<b>N</b> Bare Strip <b>SS</b> IP65 Silicon Sleeve**

Example: FM12-10-RGBW30-5M-N

FM12 flexible linear LED strips are supplied with insulated AWG 20 wires at 200mm length on both ends.

\* Supplied in standard length of 5m per reel, customised lengths are available upon request and additional charges may apply.

\*\* IP65 Silicon sleeve is only valid for 10W/m power only.