

# LUMUL

## Flex Strip

PREMIUM



5050 60 LEDs RGBW 4-IN-1



<b>MODEL NO</b>	FP-5050-60-xx-RGBW	<b>LEDs / m</b>	60
<b>INPUT VOLTAGE</b>	DC 24V	<b>SMD</b>	5050 RGBW
<b>VOLTAGE TYPE</b>	CONSTANT VOLTAGE	<b>LED SPACING</b>	16.6MM
<b>POWER PER M</b>	19.2W	<b>LED PLACEMENT</b>	SINGLE
<b>MAX CURRENT / LED</b>	85mA	<b>CUTTING UNIT</b>	100MM
<b>BEAM ANGLE</b>	120°	<b>WORKING HOURS</b>	30000 HOURS
<b>BEAM DIRECTION</b>	TOP VIEW	<b>WORKING TEMPERATURE</b>	-25° TO 45°C
<b>CRI (Ra)</b>	NOT APPLICABLE	<b>FPC WIDTH</b>	12MM
<b>WAVELENGTH / TEMPERATURE</b>	RED: 620-630NM GREEN: 520-530NM BLUE: 465-475NM	<b>FPC THICKNESS</b>	3OZ
<b>RGB+CW</b>	880-920 LM/M	<b>FPC TYPE</b>	STRAIGHT
<b>RGB+NW</b>	850-880 LM/M	<b>MAX LENGTH</b>	8M (1 FEED)
<b>RGB+WW</b>	750-850 LM/M		16M (2 FEEDS)
<b>MAX LUMEN EFFICIENCY</b>	47.9 LM/W	<b>IP OPTIONS</b>	IP20, IP65, IP67, IP68
		<b>WARRANTY</b>	5 YEARS

Only available in a 60 led configuration.  
RGB+W can be considered as an alternative.

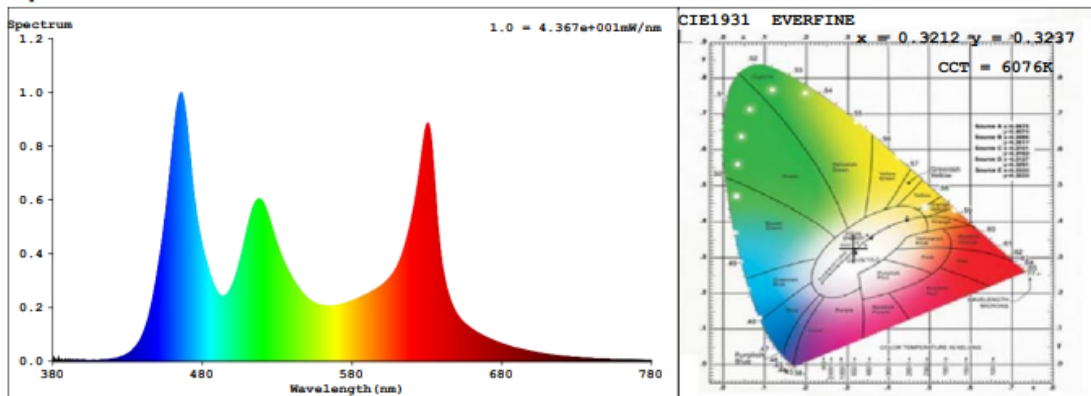
### Spectrum Test Report

Sample	:	Date	: 2018-11-18 10:41:04
Specification	: 24V 5050 60 RGB+W 4IN1 IP20	Sam. Status	:
Sample No.	: 31	Instrument	: HaasSuite(EVERFINE)
Manufacturer	: STRIP FIRST	Test by	: DAMIN
		Assessor	: damin

#### Test Condition

Temperature	: 25Deg	RH	: 65.0%
WL Range	: 380nm-780nm	IP	: 9595 (15%)
Test Mode	: Accuracy Test	T	: 10 ms
		Sensitivity	: High

#### Spectrum



Spectral Distribution

CIE1931 Chromaticity Diagram

#### Colorimetric Parameters

Chromaticity Coordinate:  $x = 0.3212$   $y = 0.3237$  /  $u' = 0.2058$   $v' = 0.4667$  ( $duv = -3.84e-03$ )

CCT= 6076K Prcp WL:  $L_d = 480.6nm$  Purity=5.0%

Peak WL:  $L_p = 466nm$  FWHM:  $\approx 23.2nm$  Ratio: R=22.3% G=69.7% B=8.0%

Render Index:  $R_a = 65.8$

R1 =54 R2 =72 R3 =86 R4 =63 R5 =61 R6 =62 R7 =78

R8 =50 R9 =0 R10=36 R11=52 R12=58 R13=56 R14=91 R15=52

LEVEL:OUT WHITE:OUT

#### Photometric & Radiometric Parameters

Flux = 1073.8 lm Eff. : 55.93 lm/W  $F_e = 3.9724 W$

Photons1:  $5.027e+000$  umol/s(400~500nm) Photons2:  $6.415e+000$  umol/s(600~700nm)

#### Electrical parameters

V = 24.00 V I = 0.8000 A P = 19.20 W PF = 1.000