

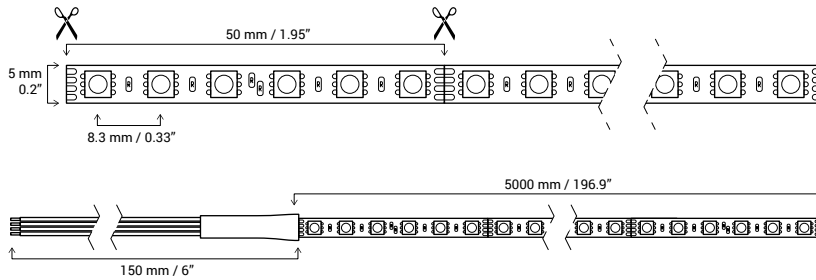
B3535-24V-120-5mm-7.5W-RGB-IP22/IP68

Specification Sheet



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3535		
Strip Width	3/16 in	5 mm (IP22)	8 mm (IP68)
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	36 LED/ft	120 LED/m	600 LED/roll total
Can be cut at every	1.95 (1 ⁶¹ / ₆₄) in	50 mm	6 LED
Storage Temperature	75°C (max.)	Operating Temperature	-25°C to +40°C
Lifespan	50 000 Hrs		



Electrical Input

Rated Power (Max.)

CONSTANT
VOLTAGE**24V DC****37.5 W/roll**

ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power	2.3 W/ft	7.5 W/m	37.5 W/roll total

PRODUCT RANGE

Part Number			RGB	Luminous Flux (lm/m)				Luminous Efficacy (lm/W)				Wavelength			
				R	G	B	RGB	R	G	B	RGB	R	G	B	RGB
B3535-24V-120-5mm-7.5W-RGB-IP22	LM00002-94	IP22	RGB	48	212	44	293	20	78	18	39	625	525	470	/
B3535-24V-120-5mm-7.5W-RGB-IP68	LM00003-13	IP68													

B3535-24V-120-5mm-7.5W-RGB-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.2198, y=0.2673, u=0.1524, v=0.4171, duv=3.04e-02$
 Correlated Color Temperature: 39640K
 Dominant Wave.: 483.8nm
 Purity: 43.8%
 Flux RGB Ratio: R=14.7%, G=72.2%, B=13.2%
 Peak Wave: 465nm
 Half Width: 21.3nm

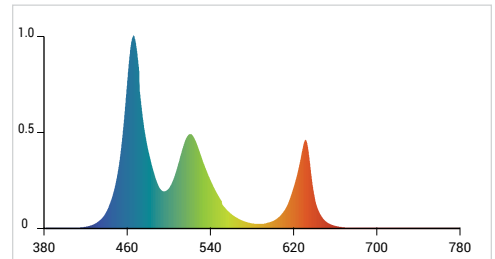
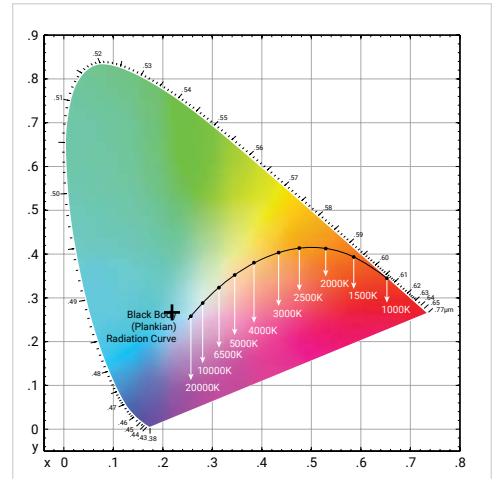
Rendering Index: Ra=75.4

R1 = 78 R2 = 76 R3 = 80 R4 = 83 R5 = 91 R6 = 75 R7 = 68
 R8 = 53 R9 = 0 R10=48 R11=77 R12=62 R13=67 R14=87 R15=61

Photo Parameters

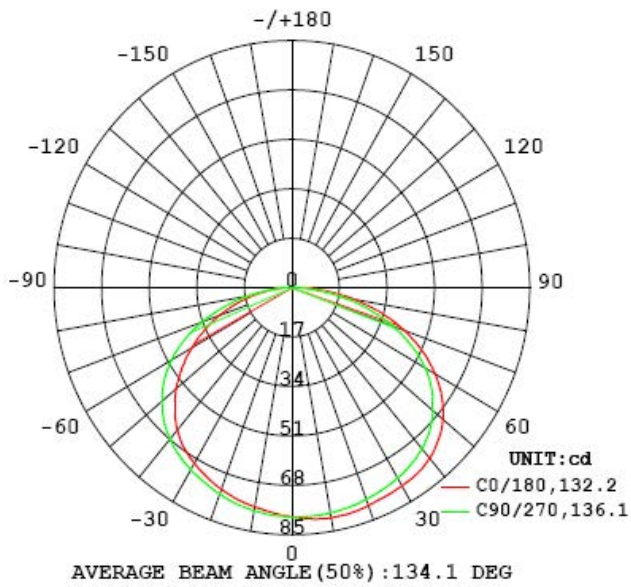
Luminous Flux: 297.79 lm
 Luminous Efficacy: 39.42 lm/W

C.I.E. 1931 Chromaticity Diagram



B3535-24V-120-5mm-7.5W-RGB-IP22/IP68

Specification Sheet



Photometric of 1M strip

1m	14.01, 79.141x	450.78cm
2m	3.503, 19.791x	901.57cm
3m	1.557, 8.7931x	1352.35cm
4m	0.8758, 4.9461x	1803.14cm
5m	0.5605, 3.1661x	2253.92cm
6m	0.3893, 2.1981x	2704.71cm
7m	0.2860, 1.6151x	3155.49cm
8m	0.2190, 1.2371x	3606.28cm
9m	0.1730, 0.97711x	4057.06cm
10m	0.1401, 0.79141x	4507.85cm

AAI Figure