Areas of application

¨ General lighting

¨ Decorative lighting

¨ Accent lighting

¨ Hidden lighting

Product benefits

¨ High quality Samsung SMD LED used for white light

¨ RGB LEDs chosen to deliver great color mixing properties

¨ Samsung LED lifetime is tested according to LM-80 standard

¨ 4-year manufacturer's warranty (L70 >36 000 h)
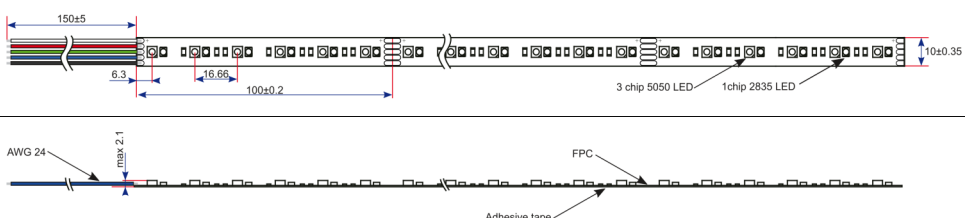
¨ Made in Europe

Product features

¨ Flexible and cuttable LED strip

¨ Rated power **24W per meter (12W white and 12W RGB)**

¨ White light CRI >90

¨ Dimmable

¨ **NOTE:** Additional cooling is required for LED strips more powerful than 10 W/m.

¨ (24V) 7m—optimal length connecting from both sides to avoid voltage drop more than 2 volt per strip

Electrical data

Item family code	Nominal voltage	Type of current	Nominal current	Rated power
RGB534-24	24 V	DC	1 A/m	24 W/m

Dimensions

Item family code	
RGB534-24	

[1] LED strip can be cut every 100 mm
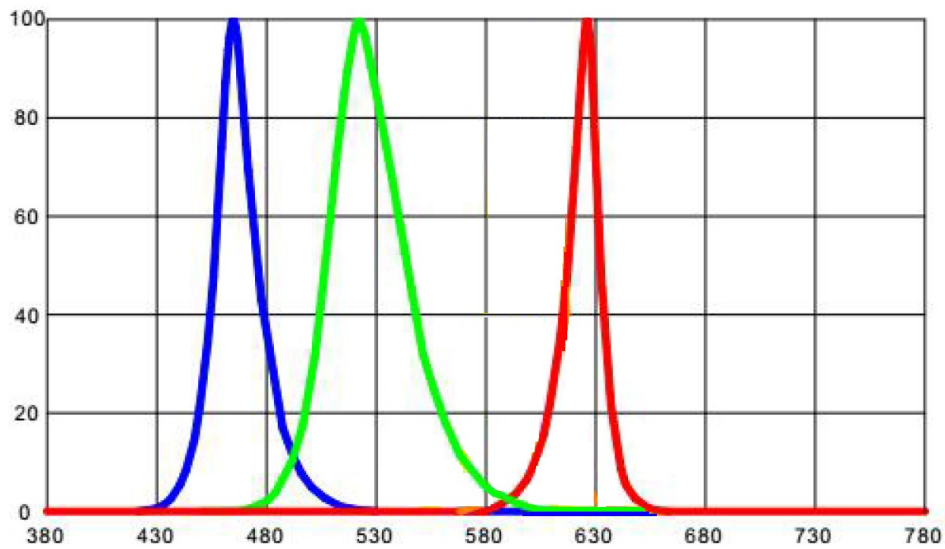[2] wires are soldered at both ends of reel in typical product assembly

Photometric data

Item code	Color	Color description	Light output	Efficiency
RGB534XX-24	Red	~620-625nm	102 lm/m	28.5 lm/W
	Green	~520-525nm	253 lm/m	66.7 lm/W
	Blue	~460-465nm	89 lm/m	19.5 lm/W
	Warm white	2700K, CRI>90	1140 lm/m	95.0 lm/W
RGB534X-24	Red	~620-625nm	102 lm/m	28.5 lm/W
	Green	~520-525nm	253 lm/m	66.7 lm/W
	Blue	~460-465nm	89 lm/m	19.5 lm/W
	Warm white	3000K, CRI>90	1168 lm/m	97.3lm/W
RGB534H-24	Red	~620-625nm	102 lm/m	28.5 lm/W
	Green	~520-525nm	253 lm/m	66.7 lm/W
	Blue	~460-465nm	89 lm/m	19.5 lm/W
	Neutral white	4000K, CRI>90	1224 lm/m	102lm/W
RGB534W-24	Red	~620-625nm	102 lm/m	28.5 lm/W
	Green	~520-525nm	253 lm/m	66.7 lm/W
	Blue	~460-465nm	89 lm/m	19.5 lm/W
	Cool white	5700K, CRI>90	1252 lm/m	104lm/W

. All information is provided considering 1 meter length. Real life performance may fluctuate due to tolerances in components used in manufacturing
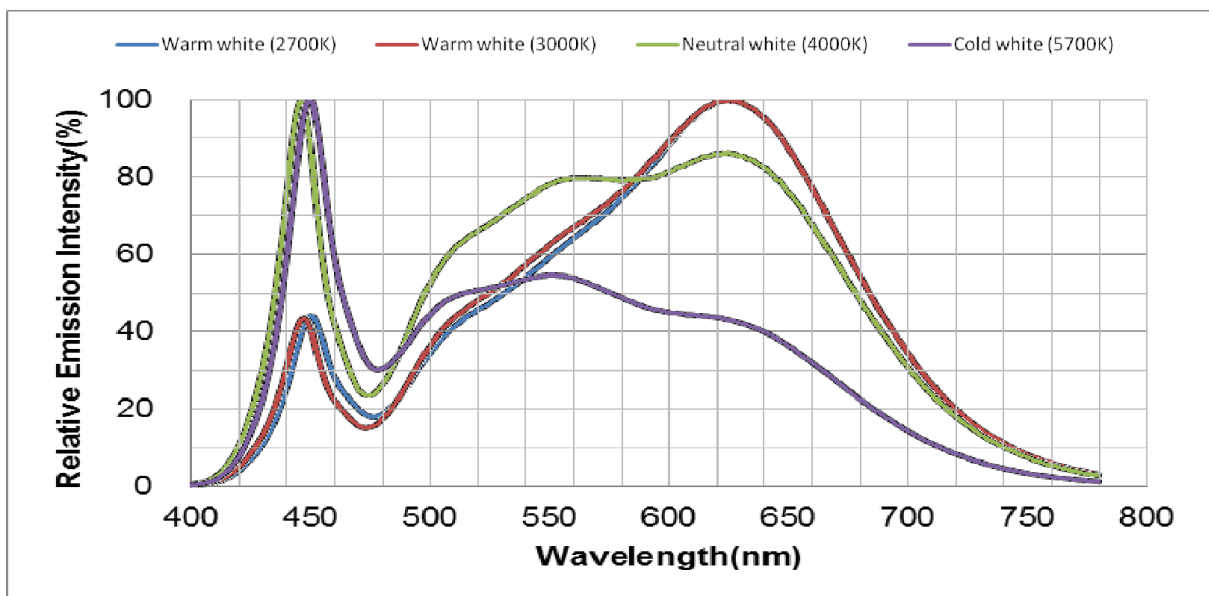
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Temperature conditions

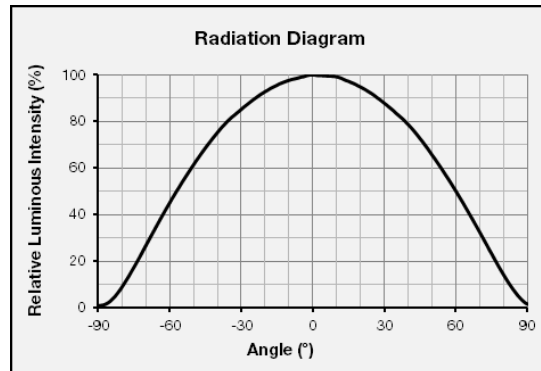| Item family code	Ambient working temperature, tᵃ	Product working temperature	Storage temperature
RGB534-24	-30C ~ +30ºC	Less than 55ºC at room temperature 23ºC	-40C ~ +85ºC

Light spectrum diagram (RGB)

Light spectrum diagram (White)

˙ Light spectrum information is provided by the LED manufacturer.

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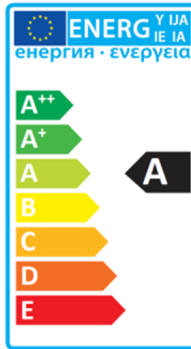
Light distribution

· Information above is provided by the LED manufacturer.

Standards and declarations of conformity

Declarations of conformity: *CE (RoHS is part of CE)*

Important: *Product is assembled using white LEDs that have been tested according to LM-80 for no less than 9000 hours.*

Energy label and marking

Modelis/Model: RGB534H-24				EEI
24 W/m	**24V** DC	**RGB+4000K**	**5** m	

	4 year warranty	**IP20**	**RoHS**	C E	
WARNING	This package contains a static and moisture sensitive device				
ATTENTION	Storage temperature: -40, +80 °C				

ENERGY · энергия · ενεργεια

A++
A+
A
B
C
D
E

A

Standard packaging

Product packaging is designed and manufactured based on: *EN 13427:2006, EN 13427:2006.* Packaging materials can be recycled according to *EN 13430:2007*

Cardboard box. Size 187*183*20mm

Cardboard reel. Size D=190mm h=15mm

LED strip length per reel—5 meters

Note: installation instructions are included in every box