SAMSUNG ⬦ Ⓕ 🚫 ✂ CUTTABLE

CE RoHS 🏠 IC LED DRIVER

Areas of application

¨ Advertisement lighting

¨ Decorative lighting

¨ Small luminaires

Product benefits

¨ Strip width - only 5mm

¨ High quality Samsung SMD LED

¨ Homogeneous light distribution throughout whole strip length

¨ LED SMD packaging is tested and meets LM-80 and photobiological safety requirements

¨ High color quality meets EU requirments of indoor lighting

¨ 6-year manufacturer's warranty (L70 >54 000 h)
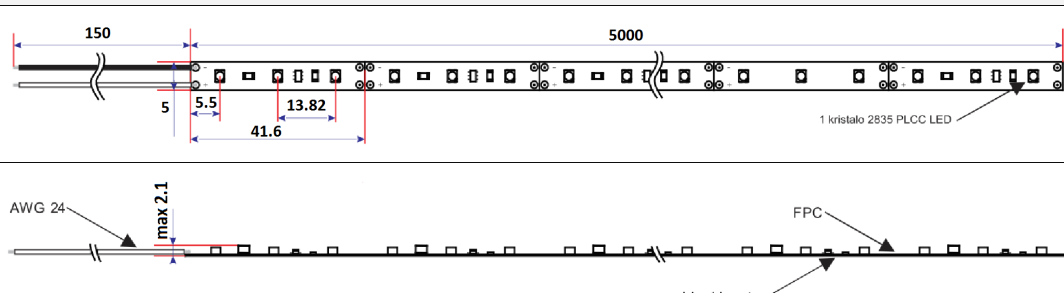
¨ Made in Europe

Product features

¨ Flexible and cuttable LED strip

¨ Rated power **18 W per meter**

¨ Efficiency up to 113 Lm/W

¨ CRI >80 and CRI >90 available

¨ 12V option available

¨ (12V) 5 m—optimal length connecting from both sides to avoid voltage drop more than 1 volt per strip

Electrical data

Item family code	Nominal voltage	Type of	Nominal current,	Rated power
1872S12	12 V	DC	1,5 A/m	18W/m

Dimensions

Item family code

1872S12	

¹ led strip can be cut every 41.6 mm

² wires are soldered at both ends of reel in typical product assembly

Photometrical data CRI > 80

Item code	CCT	Color	CRI	Light output	Efficiency
1872S12-27	2700	Warm white		1854 lm/m	103 lm/W
1872S12-30	3000K	Warm white	>80	1891 lm/m	105 lm/W
1872S12-40	4000K	Neutral white		2002 lm/m	111 lm/W
1872S12-57	5700K	Cool White		2039 lm/m	113 lm/W

Photometrical data CRI > 90

Item code	CCT	Color	CRI	Light output	Efficiency
1872S12K30	3000K	Warm white	>90	1594 lm/m	89 lm/W
1872S12K40	4000K	Neutral white		1668 lm/m	93 lm/W

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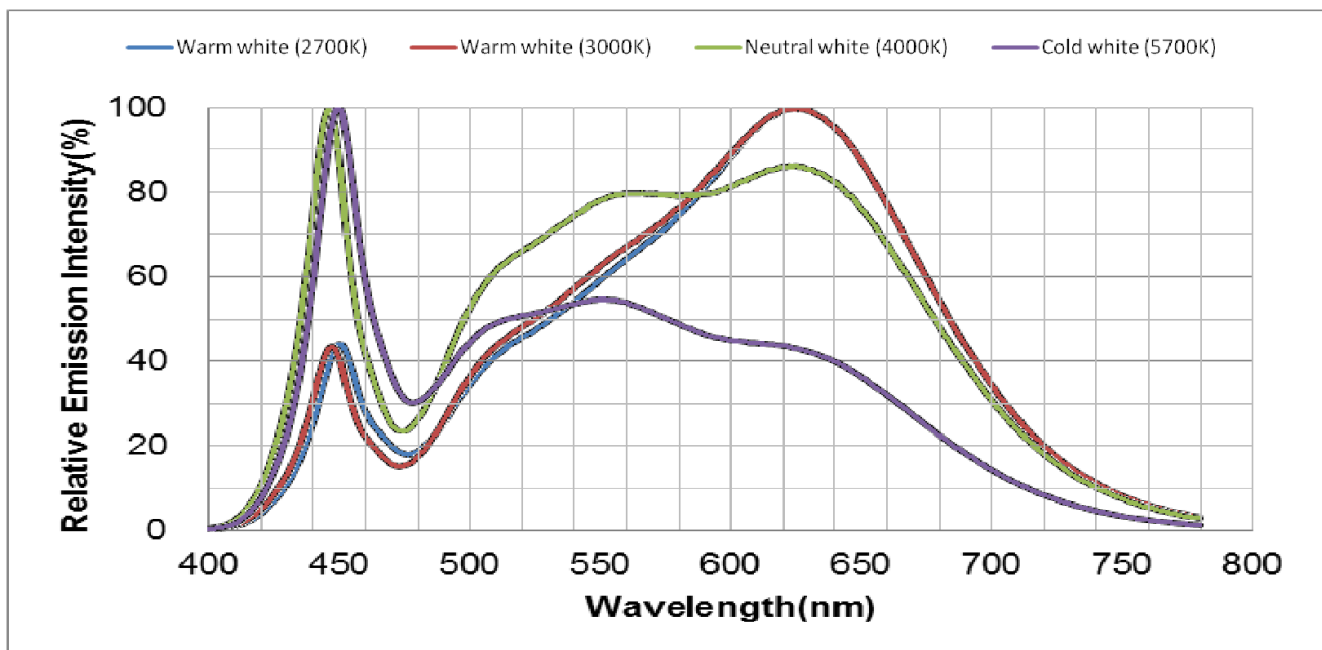
Temperature conditions

Item family code	Ambient working temperature, tᵃ	Product working temperature	Storage temperature
1872S12	-30C ~ +30ºC	Less than 60ºC at room	-40C ~ +85ºC

Light spectrum diagram CRI > 80
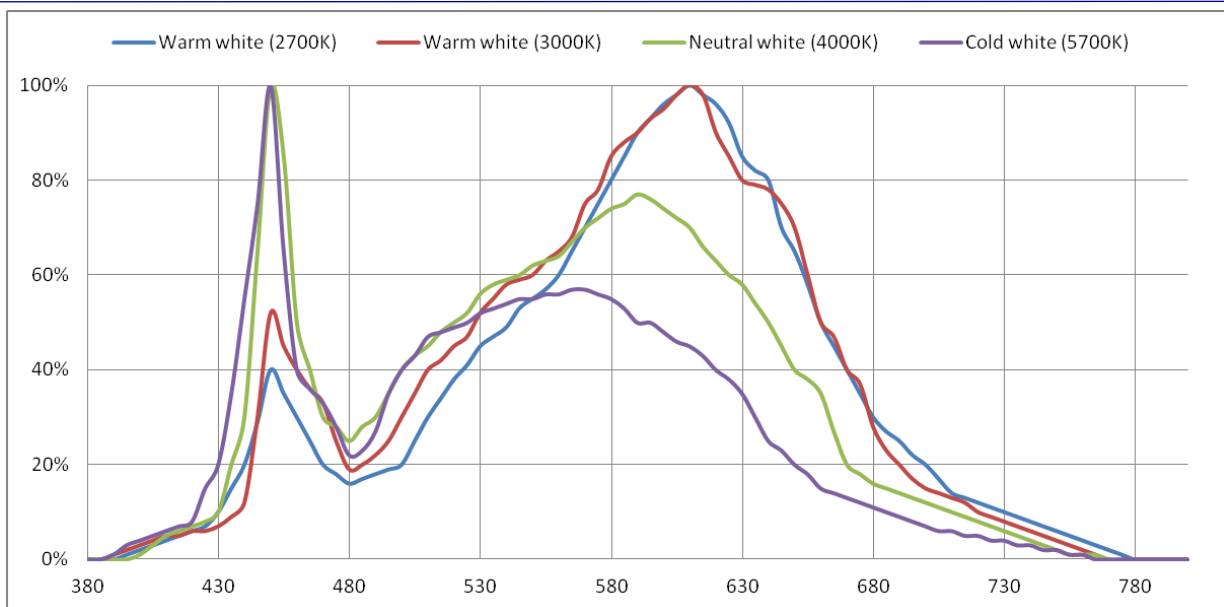
Light spectrum diagram CRI > 90

Color temperature and range

Light distribution

Color bin code	Color description	CCT Color range
ANSI 2700	Warm White	2700 K
ANSI 3000	Warm White	3000 K
ANSI 4000	Neutral white	4000 K
ANSI 5700	Cool white	5700 K
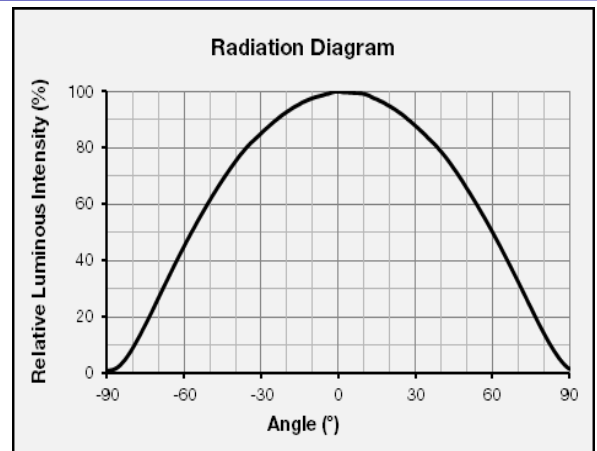
Information here is provided by LED packaging manufacturer

Standards and declarations of conformity

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

Important: Product is assembled using LED packages that are tested using LM-80 for no less than 9000 hours.

Energy label

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*

Carton box. Size 187*183*20mm

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

LED strip length per reel—5m

Note: installation instructions are included in every box