



Areas of application

- .. General lighting
- .. Task lighting
- .. Main source of light

Product benefits

- .. Product is tested by accredited laboratories using various conditions
- .. High quality Samsung SMD LED
- .. LED SMD packaging are tested and meets LM-80 and photobiological safety requirements
- .. High color quality meets EU requirements of indoor lighting
- .. Optimal LEDs pitch delivers „line of light“ effect even using low LED profiles
- .. 6-year manufacturer's warranty (L70 >54 000 h)
- .. Made in Europe

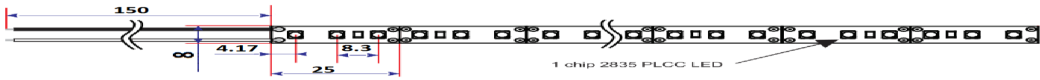
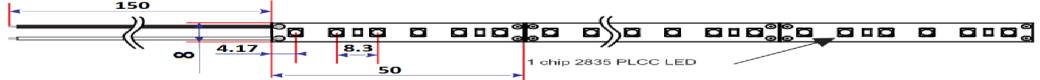
Product features

- .. Flexible and cuttable LED strip
- .. Rated power **18 W per meter**
- .. Efficiency up to 124 Lm/W
- .. CRI >80 and CRI >90 available
- .. Dimmable
- .. Both 12V and 24V options available
- .. (12V) 5 m—optimal length connecting from both sides to avoid voltage drop more than 1 volt per strip
- .. (24V) 10 m—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
1812S12	12 V	DC	1,6 A/m	18,6 W/m
1812S24	24 V		0,8 A/m	18 W/m

Dimensions

Item family code	
1812S12	
1812S24	
	

¹ 12V led strip can be cut every 25 mm

² 24V led strip can be cut every 50mm

³ wires are soldered at both ends of reel in typical product assembly

Photometrical data CRI > 80

Item code	CCT	Color	CRI	Light output	Efficiency
1812S12-27	2700K	Warm white	>80	2010 lm/m	113 lm/W
1812S12-30	3000K	Warm white		2050 lm/m	115 lm/W
1812S12-40	4000K	Neutral white		2171 lm/m	122 lm/W
1812S12-57	5700K	Cool White		2211 lm/m	124 lm/W

1812S24-27	2700K	Warm white	>80	2010 lm/m	113 lm/W
1812S24-30	3000K	Warm white		2050 lm/m	115 lm/W
1812S24-40	4000K	Neutral white		2171 lm/m	122 lm/W
1812S24-57	5700K	Cool White		2211 lm/m	124 lm/W

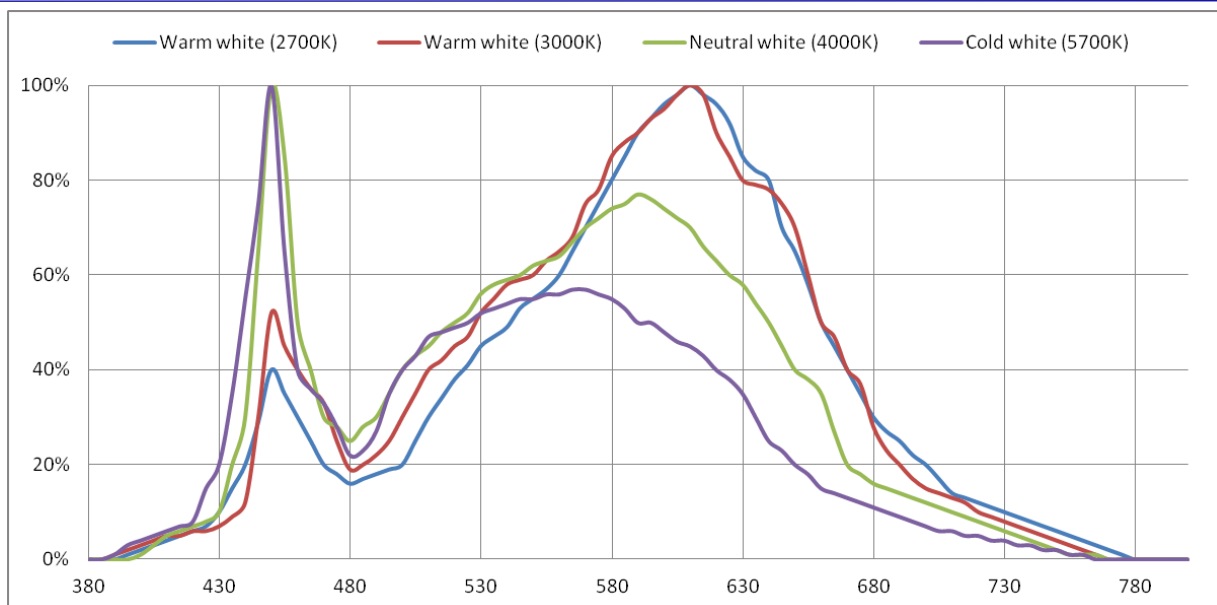
Photometrical data CRI > 90

Item code	CCT	Color	CRI	Light output	Efficiency
1212S12K30	3000K	Warm white	>90	1728 lm/m	96 lm/W
1212S12K40	4000K	Neutral white		1809 lm/m	100 lm/W
1212S24K30	3000K	Warm white		1728 lm/m	96 lm/W
1212S24K40	4000K	Neutral white		1809 lm/m	100 lm/W

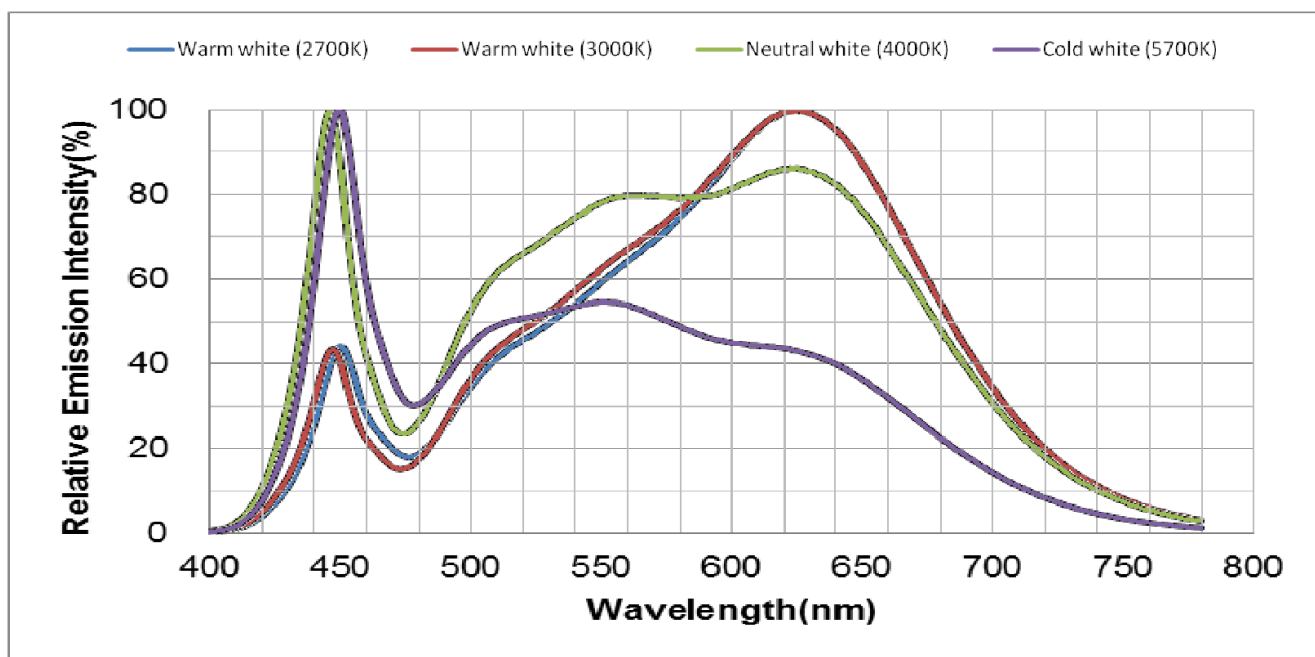
Temperature conditions

Item family code	Ambient working temperature, t_a	Product working temperature	Storage temperature
1812S12	-30°C ~ +30°C	Less than 60°C at room temperature 23°C	-40°C ~ +85°C
1812S24			

Light spectrum diagram CRI > 80



Light spectrum diagram CRI > 90

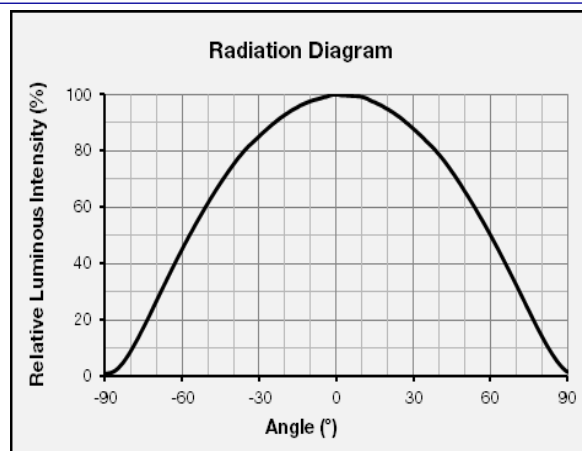


Information here is provided by LED packaging manufacturer

Color temperature and range

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

Light distribution



Information here is provided by LED packaging manufacturer

Standards and declarations of conformity

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

Meets standards: *LST EN 60598-1:2009, IEC / EN 60068-2-14:2009, EN 62031:2008, EN 62031:2008/A1:2013, EN 62031:2008/A2:2015, EN/IEC 60068-2-14:2009.*

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

Energy label

Modelis/Model: 1812S12-30					EEI		
18 W/m	12V DC	3000K	2050 Lm/m	3m			
	6 MĒŅU GARANTĪJA	CRI>80	IP20	RoHS			CE
IŠPĒJĪMAS							
DĒMĒSIO	Izkliedes temperatūra: -40, +80 °C						

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—5 meters

Note: installation instructions are included in every packaging