Areas of application

¨ Furniture lighting

¨ Decorative lighting

¨ Accent lighting

Product benefits

¨ Product is tested by accredited laboratories using various conditions

¨ High quality Samsung SMD LED

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

¨ High color quality meets EU requirements of indoor lighting

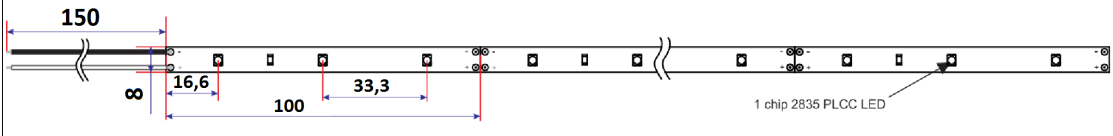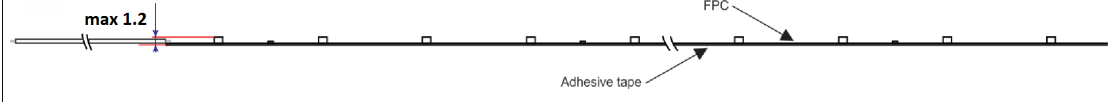¨ 6-year manufacturer's warranty (L70 >54 000 h)

¨ Made in Europe

Product features

¨ Flexible and cuttable LED strip

¨ Rated power **8 W per meter**

¨ Efficiency up to 110 Lm/W

¨ CRI >80 and CRI >90 available

¨ Dimmable

¨ (12V) 7 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 current	Nominal current	Rated power
830s12	12 V	DC	0,66 A/m	8 W/m

Dimensions

Item family code

830s12

¹ LED strip can be cut every 100 mm

Photometrical data CRI >80

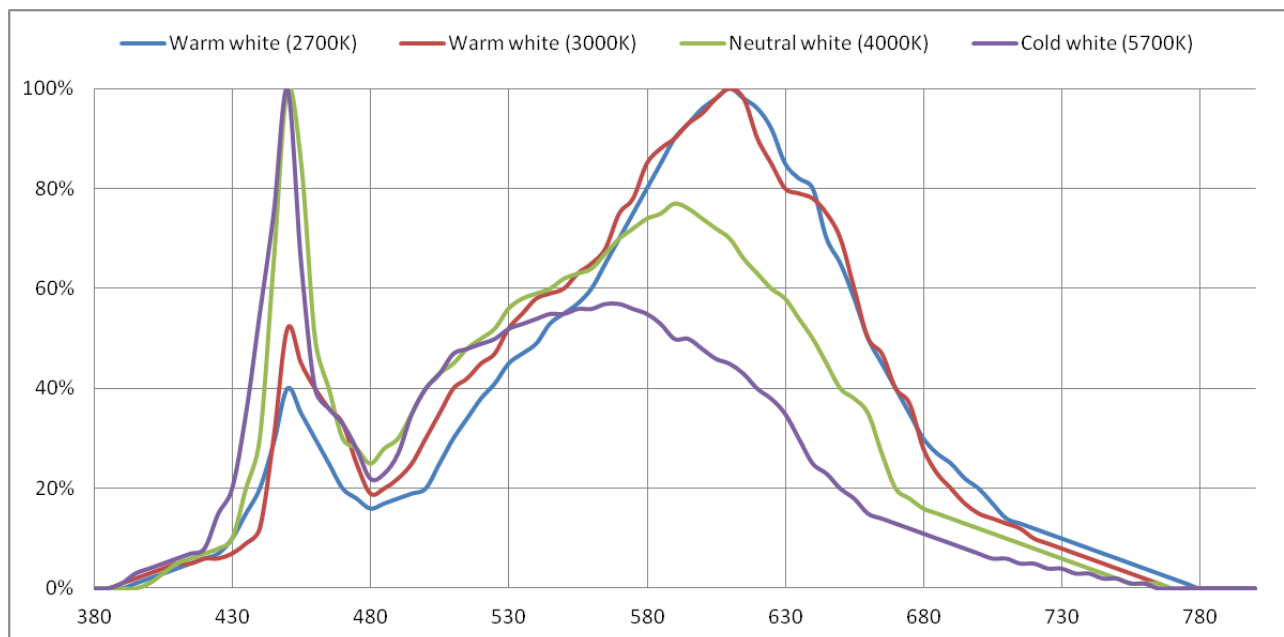| Item code	CCT	Color	CRI	Light output	Efficiency
830s12-27	2700 K	Warm white	>80	803 lm/m	100 lm/W
830s12-30	3000K	Warm white		819 lm/m	102 lm/W
830s12-40	4000K	Neutral white		867 lm/m	108 lm/W
830s12-57	5700K	Cool white		880 lm/m	110 lm/W

Photometrical data CRI>90

Item code	CCT	Color	CRI	Light output	Efficiency
830s12K30	3000K	Warm white	>90	690 lm/m	86 lm/W
830s12K40	4000K	Neutral white		722 lm/m	90 lm/W

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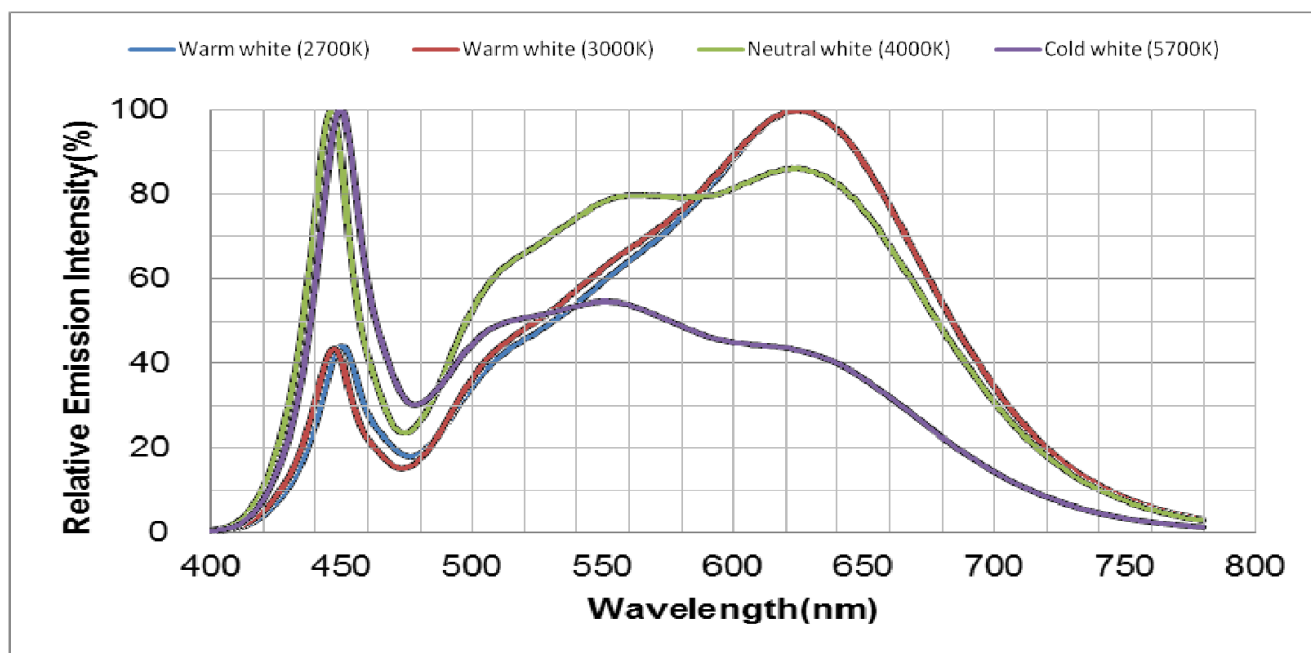
Temperature conditions

Item family code	Ambient working temperature, tᵃ	Product working temperature	Storage temperature
830S12	-30C ~ +30ºC	Less than 60ºC at room temperature 23ºC	-40C ~ +85ºC

Light spectrum diagram CRI > 80
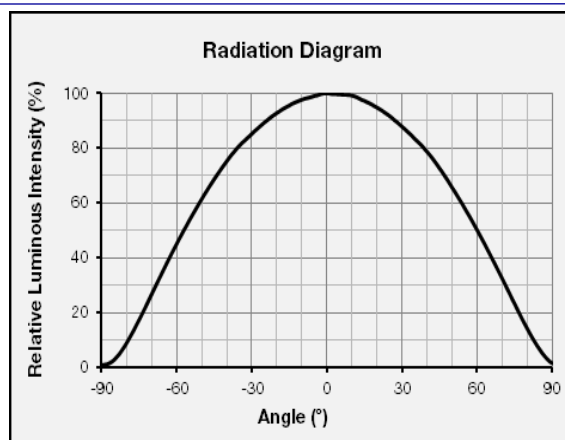

Light spectrum diagram CRI > 90

˙   Information here is provided by LED packaging manufacturer

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

Radiation Diagram

- 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: 830S12-30IP — EEI

8 W/m | 12V DC | 3000K | 819 Lm/m | 5m

SAMSUNG | 6 METŲ GARANTIJA | CRI> 80 | IP67 | RoHS | CE

ENERG — A+

ĮSPĖJIMAS — Šioje pakuotėje yra elektrostatiniam krūviui ir drėgmei jautrus įrenginys

DĖMESIO — Laikymo 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 box