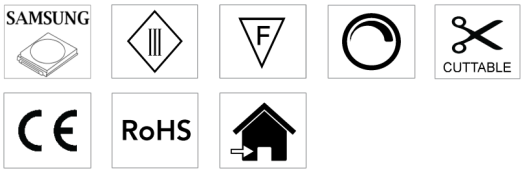

## Areas of application

- Furniture lighting
- Decorative lighting
- Accent lighting

## Product benefits

- Product is tested under various conditions by accredited laboratories
- High quality Samsung SMD LED
- LED lifetime is tested according to LM-80 standard
- High quality light meets EU photobiological safety requirments for 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 91 Lm/W
- CRI >90
- Dimmable
- (12V) 7 m—optimal length connecting from both sides to avoid voltage drop more than 1 volt per strip

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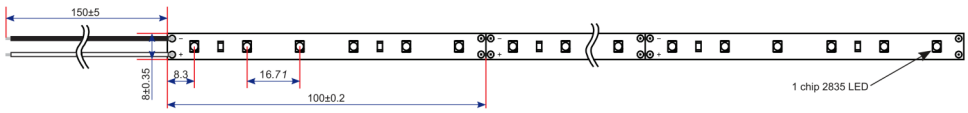
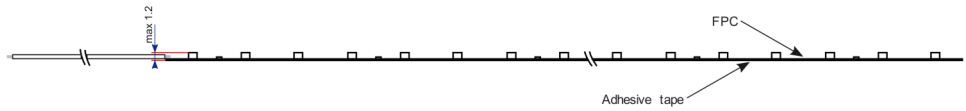
## Electrical data

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

## Photometric data

| Item code | CCT | Color | CRI | Light output | Efficiency |
|---|---|---|---|---|---|
| **830s12K27** | 2700K | Warm white | >90 | 662 lm/m | 83 lm/W |
| **830s12K30** | 3000K | Warm white | | 678 lm/m | 85 lm/W |
| **830s12K40** | 4000K | Neutral white | | 711 lm/m | 89 lm/W |
| **830s12K57** | 5700K | Cool White | | 727 lm/m | 91 lm/W |

## Temperature conditions

| Item family code | Ambient working temperature, t[a] | Product working temperature | Storage temperature |
|---|---|---|---|
| **830s12** | -30C ~ +30°C | Less than 60°C at room temperature 23°C | -40C ~ +85°C |

[a] 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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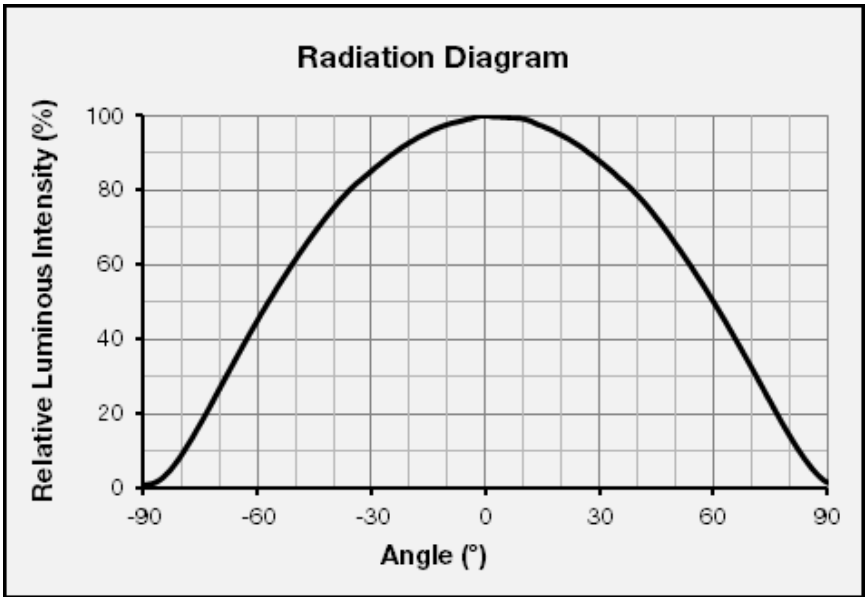
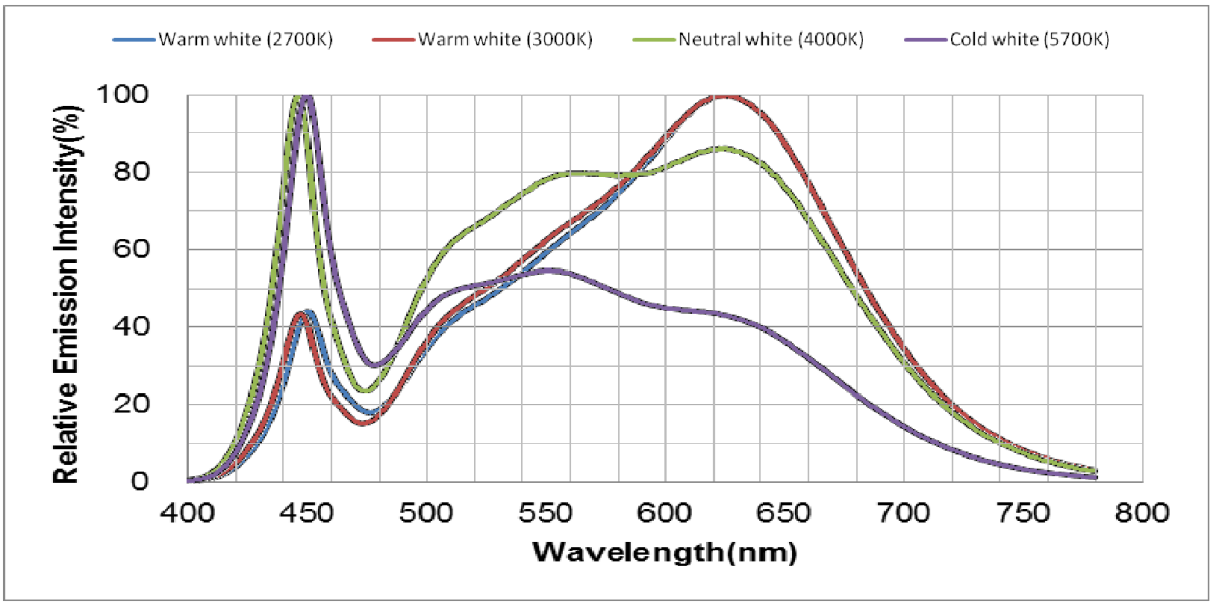
## Light distribution




## Light spectrum diagram CRI > 90




* Information here is provided by LED manufacturer.

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## 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 LEDs that have been tested according to LM-80 for no less than 9000 hours.*

## Energy label and marking

| Modelis/Model: | 830S12K30 | | | | EEI |
|---|---|---|---|---|---|
| **8** W/m | **12V** DC | **3000K** | **678** Lm/m | **5**m | |
| SAMSUNG | **6** metų garantija | CRI **> 90** | **IP20** | **RoHS** | CE |
| **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*

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

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