VALOTEHDAS

# *120 LED/m PRODUCT FAMILY*

# *12 W/m TECHNICAL SPECIFICATION*

## Areas of application

- Furniture lighting
- Decorative lighting
- Task lighting
- Hidden 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 LED density creates „line of light“ effect even with shallow aluminium profiles
- 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 **12W per meter**
- Efficiency up to 110 Lm/W
- CRI >90
- Dimmable
- 12V and 24V options available
- (12V) 6 m—optimal length connecting from both sides to avoid voltage drop more than 1 volt per strip
- (24V) 12m—optimal length connecting from both sides to avoid voltage drop more than 2 volt per strip
- **Note:** Additional cooling is required for LED strips more powerful than 10 W/m.

© All Rigts Reserved

VALOTEHDAS

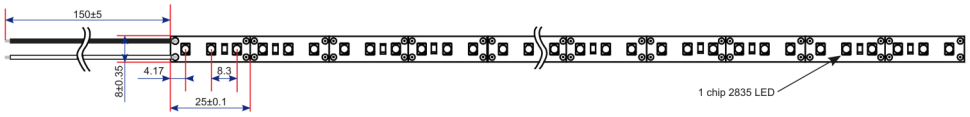
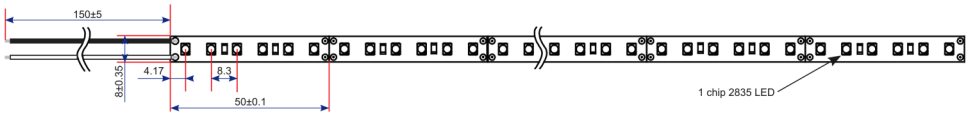
*120 LED/m PRODUCT FAMILY*

*12 W/m TECHNICAL SPECIFICATION*

## Electrical data

| Item family code | Nominal voltage | Type of current | Nominal current, | Rated power |
|---|---|---|---|---|
| **1212S12** | 12 V | DC | 1 A/m | 12 W/m |
| **1212S24** | 24 V | | 0,5 A/m | 12 W/m |

## Dimensions

| Item family code | |
|---|---|
| **1212S12** |   |
| **1212S24** |   |
| | |

[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

## Photometric data

| Item code | CCT | Color | CRI | Light output | Efficiency |
|---|---|---|---|---|---|
| **1212S12K27** | 2700 K | Warm white | >90 | 1244 lm/m | 100 lm/W |
| **1212S12K30** | 3000K | Warm white | | 1300 lm/m | 104 lm/W |
| **1212S12K40** | 4000K | Neutral white | | 1383 lm/m | 110 lm/W |
| **1212S12K57** | 5700K | Cool White | | 1383 lm/m | 110 lm/W |
| **1212S24K27** | 2700 K | Warm white | >90 | 1244 lm/m | 100 lm/W |
| **1212S24K30** | 3000K | Warm white | | 1300lm/m | 104 lm/W |
| **1212S24K40** | 4000K | Neutral white | | 1383 lm/m | 110 lm/W |
| **1212S24K57** | 5700K | Cool White | | 1383 lm/m | 110lm/W |

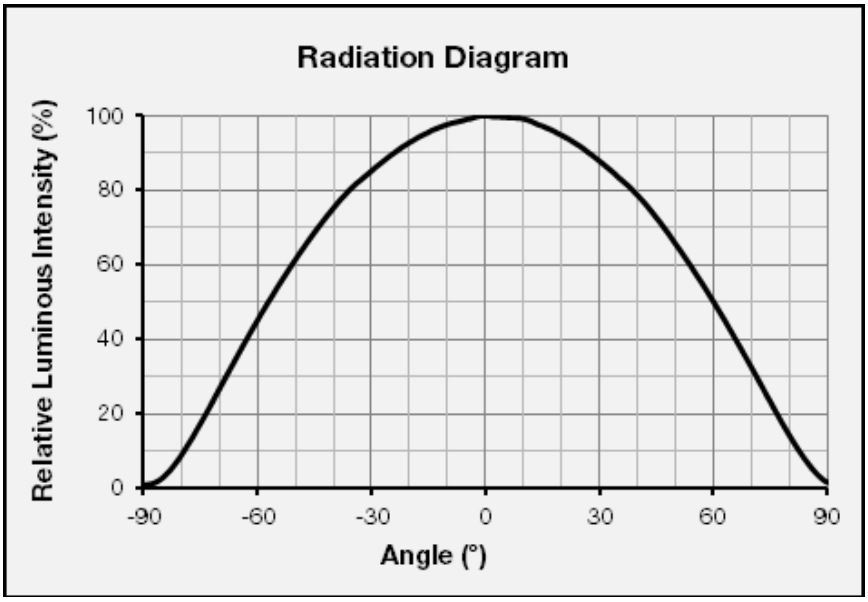
## Temperature conditions

| Item family code | Ambient working | Product working | Storage temperature |
|---|---|---|---|
| **1212S12** | -30C ~ +30°C | Less than 60°C at room temperature 23°C | -40C ~ +85°C |
| **1212S24** | | | |

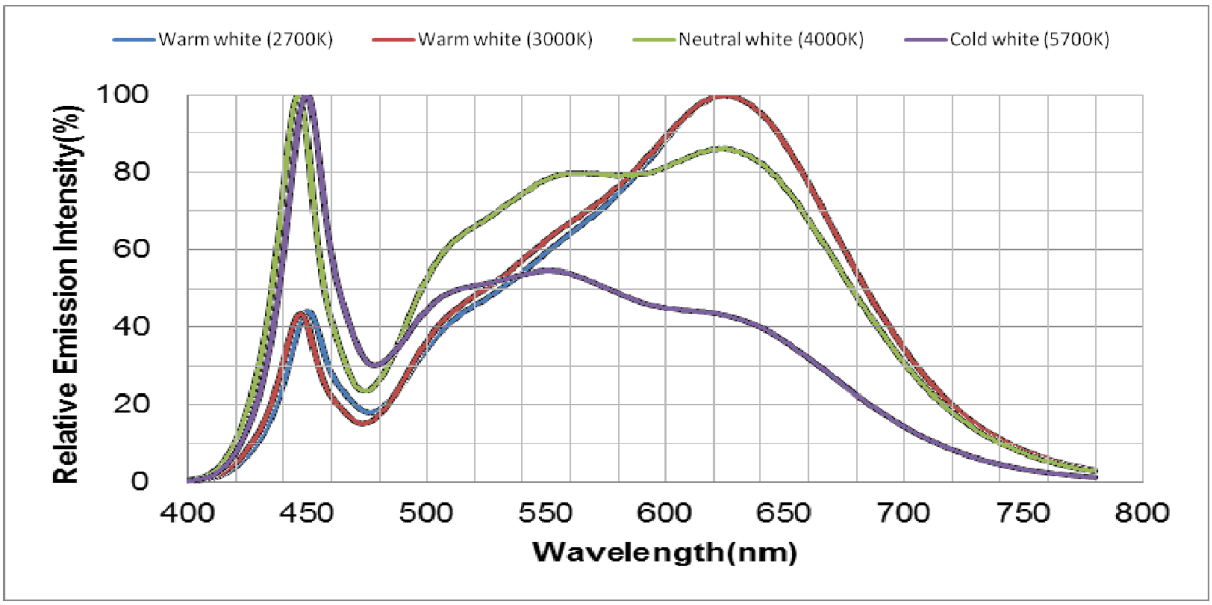
* All information is provided considering 1 meter length. Real life performance may fluctuate due to tolerances in components used in manufacturing

© All Rigts Reserved

## Light distribution




## Light spectrum diagram CRI > 90




* Information here is provided by LED manufacturer.

© All Rigts Reserved

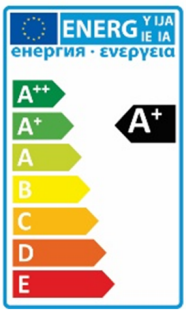
## Standards and declarations of conformity

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: | 1212S12K57 | | | | | EEI |
| **12** W/m | **12V** DC | **5700K** | **1252** 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

© All Rigts Reserved