

Areas of application

- “ Furniture lighting
- “ Decorative lighting
- “ Accent lighting

Product benefits

- “ Product tested under various conditions by accredited laboratories
- “ Reliable Samsung LEDs
- “ LED lifetime tested according to LM-80 standard
- “ High quality light meets EU photobiological safety requirements for indoor lighting
- “ 6-year manufacturer’s warranty (L80B10 ~55000 hrs. at 55°C LED strip temperature)
- “ Made in Europe

Product features

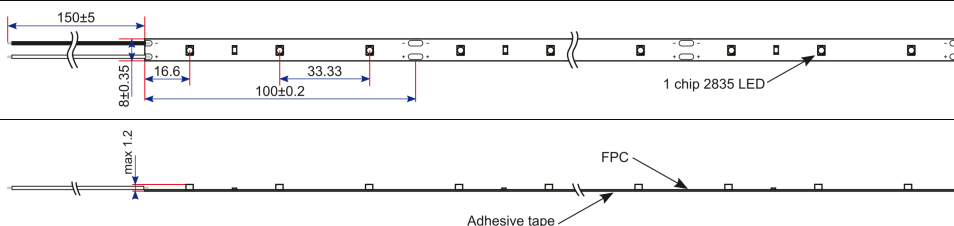
- “ Flexible and cuttable LED strip
- “ Rated power **8.3W per meter**
- “ Efficiency up to 96 Lm/W
- “ CRI >90
- “ IP20 or IP67 options available. IP67 version is indicated by “-IP” at the end the item code.
- “ Dimmable
- “ (12V) 7m—optimal strip length to avoid a voltage drop of more than 1 volt when powered at both ends
- “ **Note:** Additional cooling is required for LED strips more powerful than 10 W/m.

Electrical data

Item family code	Nominal voltage	Type of current	Nominal current ¹	Rated power P_{on}^1
830S12	12 V	DC	0.69 A/m	8.3 W/m

1. Tolerance +/-5%; Data specified when product temperature is at 45°C

Dimensions

Item family code	
830S12	

12V led strip can be cut every 100 mm

Wires are soldered at both ends of reel in typical product assembly

Photometric data

Item code	CCT	Color	CRI	Useful luminous flux Φ_{use}^2	Efficiency ²
830S12K27	2700 K	Warm white	>90	719 lm/m	87 lm/W
830S12K30	3000K	Warm white		751 lm/m	90 lm/W
830S12K40	4000K	Neutral white		800 lm/m	96 lm/W
830S12K57	5700K	Cool White		800 lm/m	96 lm/W

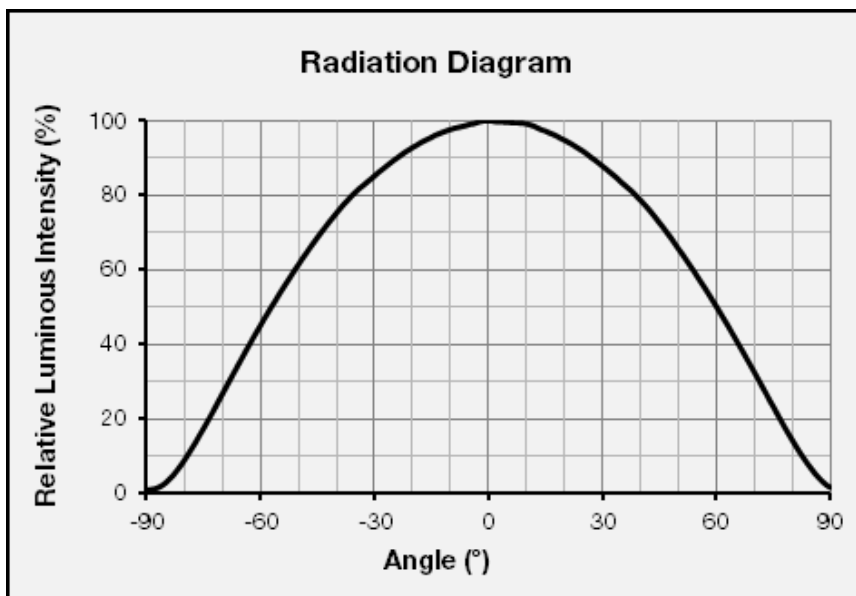
2. Tolerance +/-10%; Data specified when product temperature is at 45°C

Temperature conditions

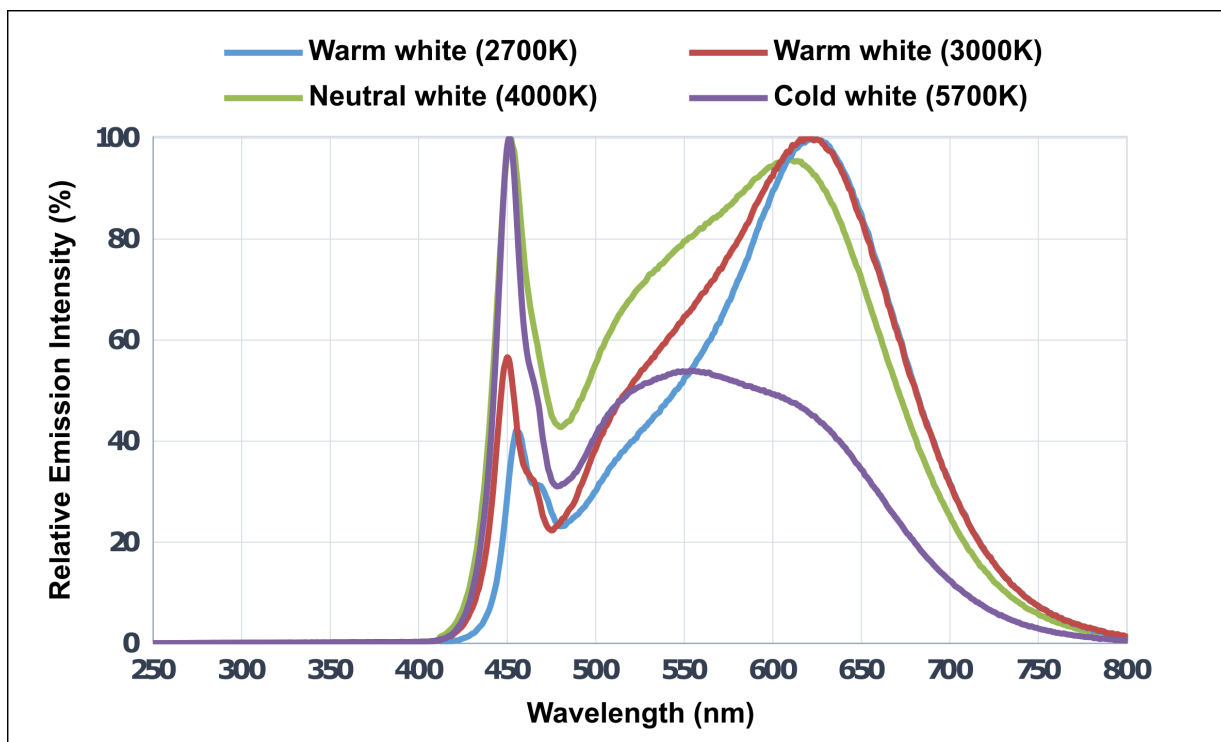
Item family code	Ambient working temperature, t_a	Product working temperature	Storage temperature
830S12	-30C ~ +30°C	Less than 60°C at 23°C ambient temperature	-40C ~ +85°C

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

Light distribution



Light spectrum diagram CRI > 90







Standards and declarations of conformity




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


Meets standards: *LST EN 60598-1:2015+AC:2016+A1:2018 (9.2.7cl.,9.2.8cl.), EN 60068-2-14:2009 (IEC 60068-2-14:2009), EN 62031:2008+A1:2013+A2:2015.*

Important: Product is assembled using LEDs that have been tested according to LM-80 for no less than 10000 hours.

Energy label and marking

Item code	EPREL code	Energy class	Symbol
830S12K27	998146	G	
830S12K30	998148	G	
830S12K40	998150	F	
830S12K57	998158	F	

8,3W/m	12 V DC	IP20
Naudingasis šviesos srautas/ Useful luminous flux	751	SAMSUNG
CRI >90	Lm/m	
Kiekis/Quantity:	3000K	
	5 m	



ENERGY

Retechas
830S12K30

A
B
C
D
E
F
G

9 kWh/1000h

2019/2015

WARNING
This package contains an electrostatic discharge and moisture sensitive device
Attention: Storage temperature: -40, +80 °C

6 YEAR WARRANTY

L70B50 >60000h

RoHS

CE

20 PAP

Standard packaging

Product packaging is designed and manufactured based on: *EN 13427:2006*. Packaging materials can be recycled according to *EN 13430:2007*.

Packaging:

- “ Cardboard box. Size 120*121*20mm
- “ Cardboard reel. Size D=118mm h=15mm

Alternative packaging:

- “ Cardboard box. Size 180*182*20mm
- “ Cardboard reel. Size D=178mm h=15mm

LED strip length per reel—5 meters

Note: installation instructions are included in every box