



Areas of application

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

Product benefits

- “ Product tested under various conditions by accredited laboratories
- “ High quality Samsung LEDs
- “ LED lifetime tested according to LM-80 standard
- “ High LED density creates a „line of light“ effect even with shallow aluminium profiles
- “ 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

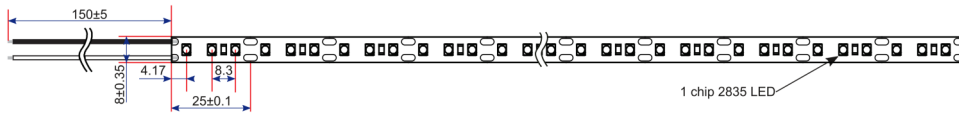
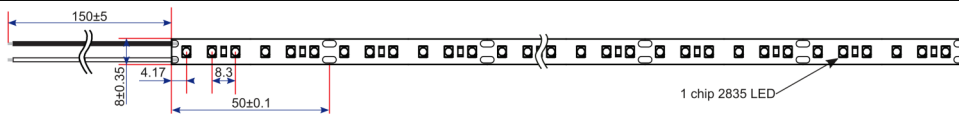
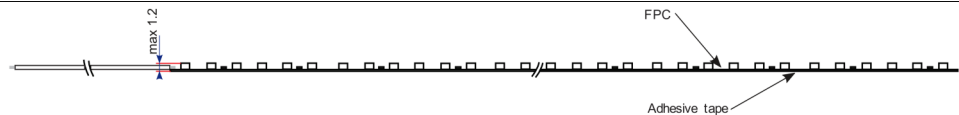
- “ Flexible and cuttable LED strip
- “ Rated power **6.4W per meter**
- “ Efficiency up to 114 Lm/W
- “ CRI >90
- “ IP20 or IP67 options available. IP67 version is indicated by “-IP” at the end the item code.
- “ Dimmable
- “ 12V and 24V options available
- “ (12V) 9m—optimal strip length to avoid a voltage drop of more than 1 volt when powered at both ends
- “ (24V) 18m—optimal strip length to avoid a voltage drop of more than 2 volts 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
612S12	12 V	DC	0.53 A/m	6.4 W/m
612S24	24 V		0.27 A/m	6.4 W/m

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

Dimensions

Item family code	
612S12	
612S24	
	

12V led strip can be cut every 25 mm

24V led strip can be cut every 50mm

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
612S12K27	2700 K	Warm white	>90	655 lm/m	102 lm/W
612S12K30	3000K	Warm white		684 lm/m	107 lm/W
612S12K40	4000K	Neutral white		728 lm/m	114 lm/W
612S12K57	5700K	Cool White		728 lm/m	114 lm/W
612S24K27	2700 K	Warm white	>90	655 lm/m	102 lm/W
612S24K30	3000K	Warm white		684 lm/m	107 lm/W
612S24K40	4000K	Neutral white		728 lm/m	114 lm/W
612S24K57	5700K	Cool White		728 lm/m	114 lm/W

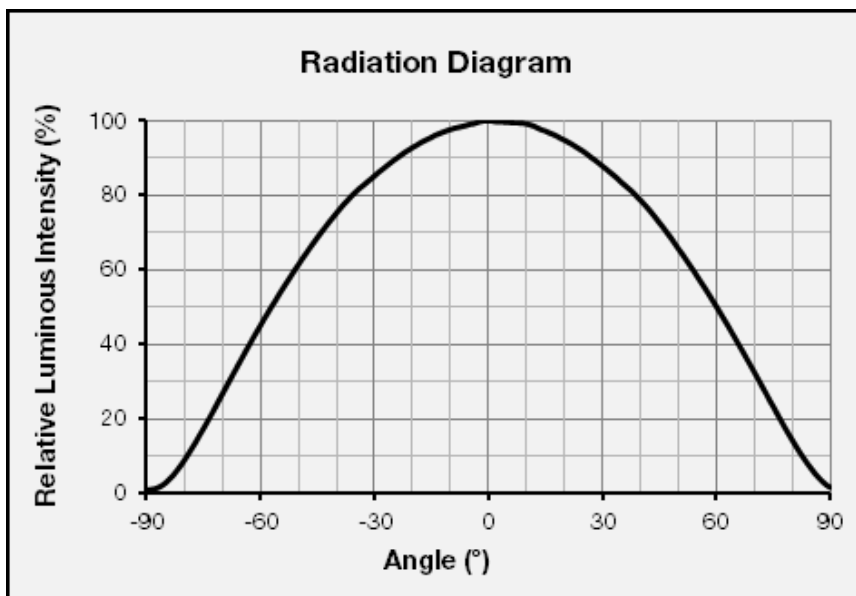
2. Tolerance +/-10%; Data specified when product temperature is at 45°C

Temperature conditions

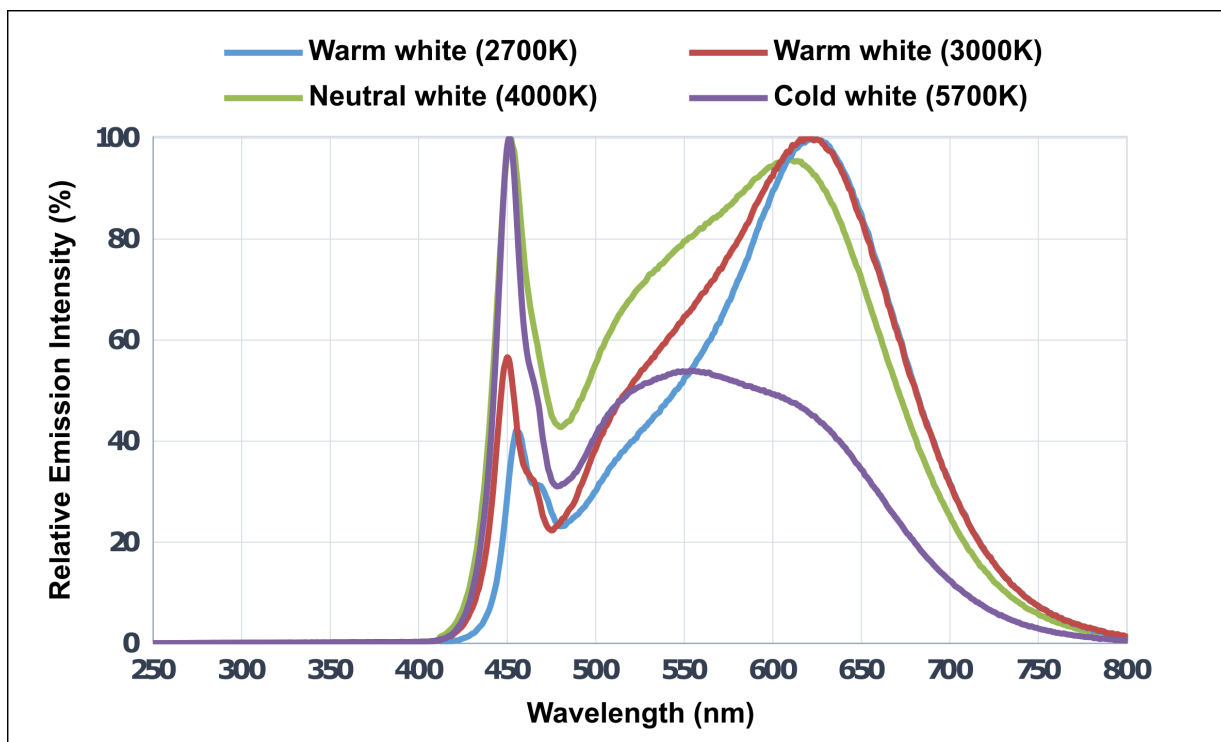
Item family code	Ambient working temperature, t _a	Product working temperature	Storage temperature
612S12	-30C ~ +30°C	Less than 60°C at 23°C ambient temperature	-40C ~ +85°C
612S24			

• 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.*

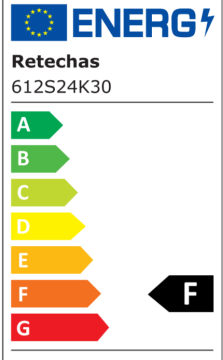
Important: Product is assembled using LEDs that have been tested according to LM-80 for no less than 10000 hours.

Energy label and marking

Item code	EPREL code	Energy class	Symbol
612S12K27	997885	F	
612S24K27	997921		
612S12K30	997893	F	
612S24K30	997945		
612S12K40	997899	F	
612S24K40	997951		
612S12K57	997904	F	
612S24K57	997979		

6,4 W/m
24 V DC
Naudingasis šviesos srautas/ Useful luminous flux
684 Lm/m
CRI >90
3000K
Kiekis/Quantity:
5 m

IP20
SAMSUNG
L70B50 >60000h
6 YEAR WARRANTY
RoHS
CE
20 PAP



ENERGY

Retechas

612S24K30

A B C D E F G

7 kWh/1000h

2019/2015

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

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