Areas of application

- Furniture lighting
- Decorative lighting
- Accent lighting
- Hidden 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 requirments for indoor lighting
- 6-year manufacturer's warranty (L80B10 ~55000 hrs. at 55°C LED strip temperature)
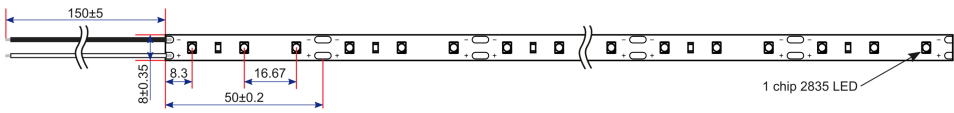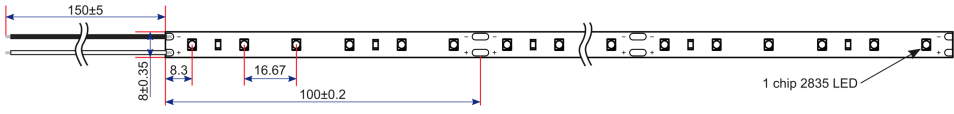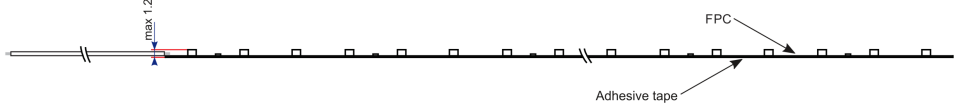- Made in Europe

Product features

- Flexible and cuttable LED strip
- Rated power **6.3W per meter**
- Efficiency up to 111 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]
660S12	12 V	DC	0.53 A/m	6.3 W/m
660S24	24 V		0.26 A/m	6.3 W/m

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

Dimensions

Item family code	
660S12	
660S24	

12V led strip can be cut every 50 mm
24V 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]
660S12K27	2700 K	Warm white	>90	628 lm/m	100 lm/W
660S12K30	3000K	Warm white		657 lm/m	104 lm/W
660S12K40	4000K	Neutral white		699 lm/m	111 lm/W
660S12K57	5700K	Cool White		699 lm/m	111 lm/W

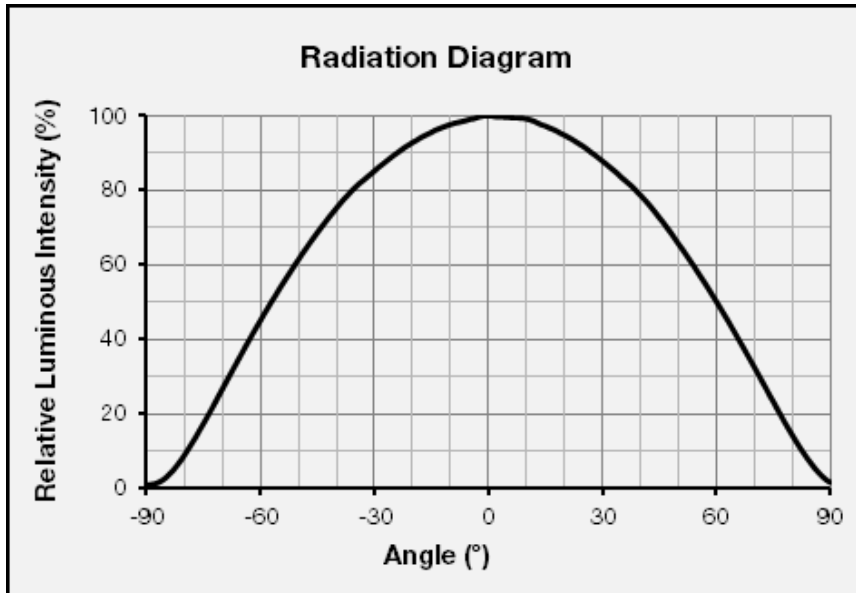|					
660S24K27	2700 K	Warm white	>90	628 lm/m	100 lm/W
660S24K30	3000K	Warm white		657 lm/m	104 lm/W
660S24K40	4000K	Neutral white		699 lm/m	111 lm/W
660S24K57	5700K	Cool White		699 lm/m	111 lm/W

2. Tolerance +/-10%; Data specified when product temperature is at 45ºC
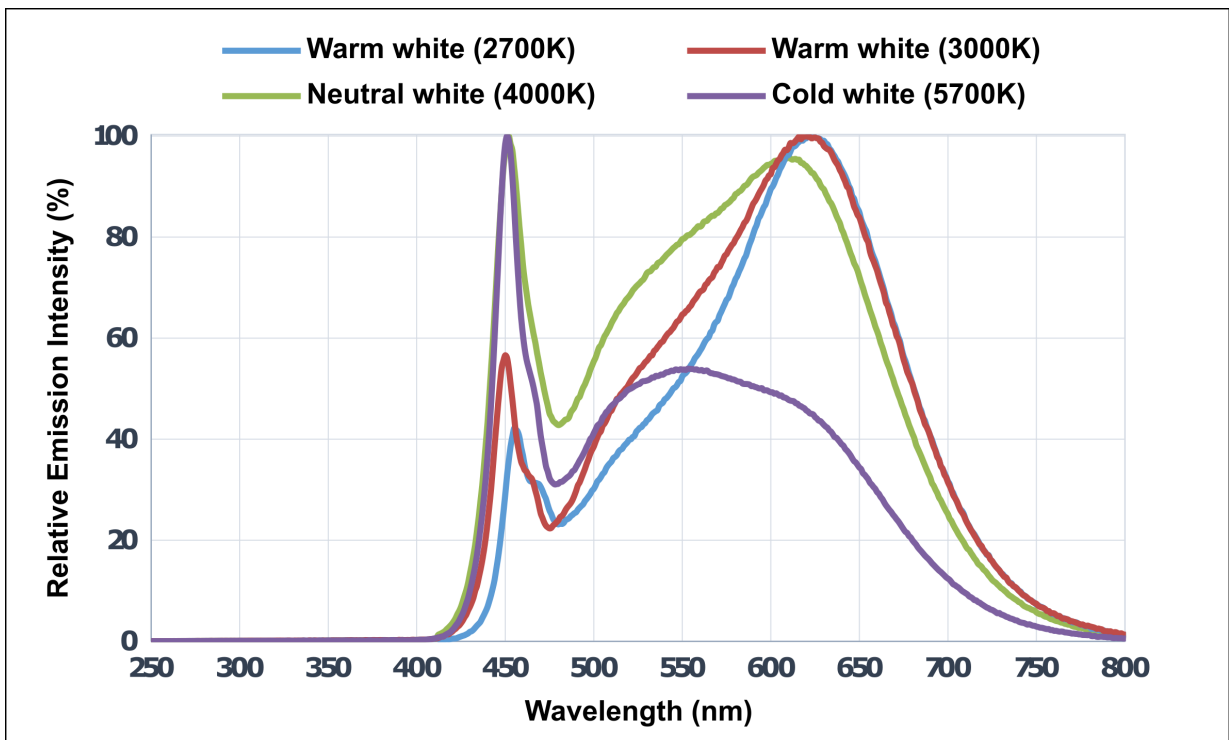
Temperature conditions

Item family code	Ambient working temperature, t^a	Product working temperature	Storage temperature
660S12	-30C ~ +30ºC	Less than 60ºC at 23ºC ambient temperature	-40C ~ +85ºC
660S24			

- 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

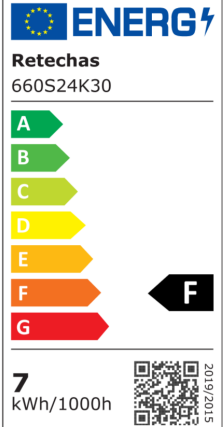Declarations of conformity: *CE (RoHS is part of CE)*

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
660S12K27	998076	F	
660S24K27	998082		
660S12K30	998077	F	
660S24K30	998083		
660S12K40	998079	F	
660S24K40	998086		
660S12K57	998081	F	
660S24K57	998088		

Energy label:

6,3W/m	24 V DC	IP20
Naudingasis šviesos srautas/ Useful luminous flux	**657 Lm/m**	SAMSUNG
CRI >90	3000K	
Kiekis/Quantity:	5 m	

ENERG⚡

Retechas
660S24K30

A B C D E F G — F

L70B50 >60000h

6 GARANTIJA YR WARRANTY

RoHS — CE

20 PAP

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