

Areas of application

- General lighting
- Task lighting
- Decorative lighting
- Furniture 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

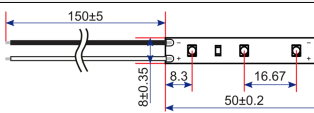
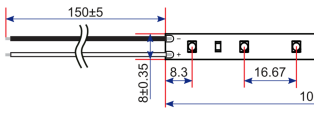
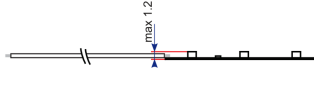
- Flexible and cuttable LED strip
- Rated power **16.5W per meter**
- Efficiency up to 96 Lm/W
- CRI >90
- IP20
- Dimmable
- 12V and 24V options available
- (12V) 5m—optimal strip length to avoid a voltage drop of more than 1 volt when powered at both ends
- (24V) 10m—optimal strip length to avoid a 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
1660S12	12 V	DC	1.38 A/m	16.5 W/m
1660S24	24 V		0.69 A/m	16.5 W/m

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

Dimensions

Item family code	
1660S12	
1660S24	
	

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
1660S12K27	2700 K	Warm white	>90	1431 lm/m	87 lm/W
1660S12K30	3000K	Warm white		1495 lm/m	91 lm/W
1660S12K40	4000K	Neutral white		1592 lm/m	96 lm/W
1660S12K57	5700K	Cool White		1592 lm/m	96 lm/W

1660S24K27	2700 K	Warm white	>90	1431 lm/m	87 lm/W
1660S24K30	3000K	Warm white		1495 lm/m	91 lm/W
1660S24K40	4000K	Neutral white		1592 lm/m	96 lm/W
1660S24K57	5700K	Cool White		1592 lm/m	96 lm/W

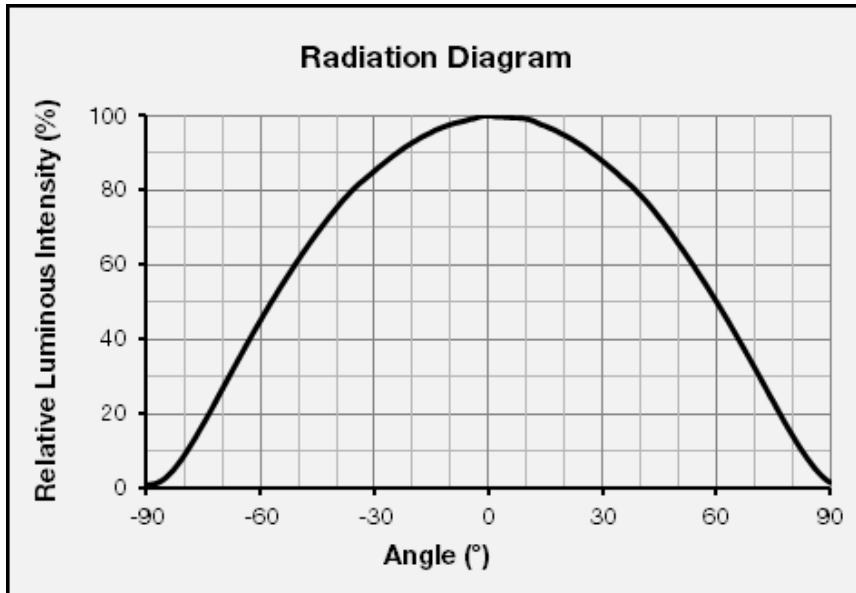
2. Tolerance +/-10%; Data specified when product temperature is at 45°C

Temperature conditions

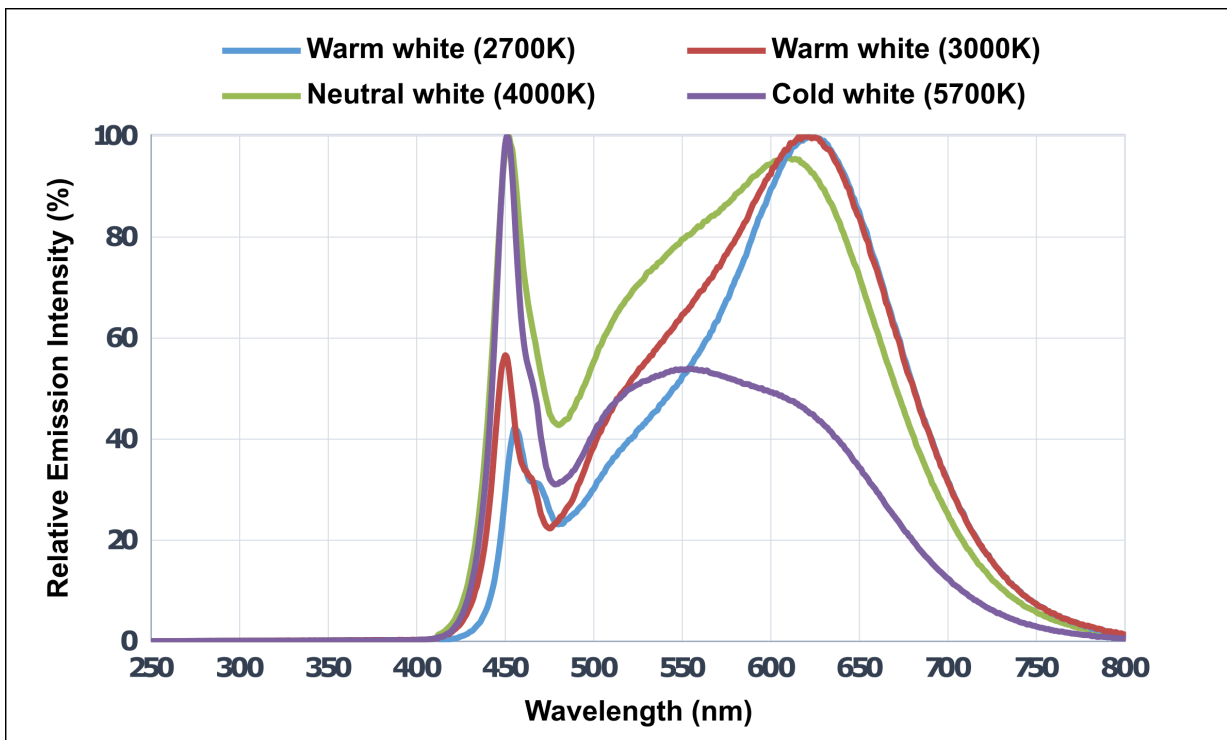
Item family code	Ambient working temperature, t ^a	Product working temperature	Storage temperature
1660S12	-30C ~ +30°C	Less than 60°C at 23°C ambient temperature	-40C ~ +85°C
1660S24			

• 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



Information on this page has been provided by the LED manufacturer.





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
1660S12K27	998090	G	
1660S24K27	998100		
1660S12K30	998093	G	
1660S24K30	998101		
1660S12K40	998095	F	
1660S24K40	998103		
1660S12K57	998098	F	
1660S24K57	998105		

16,5 W/m	24 V DC	     
Naudingasis šviesos srautas/ Useful luminous flux	1495 Lm/m	
CRI >90	3000K	
Kiekis/Quantity:	5 m	



17 kWh/1000h

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