

Areas of application

- General lighting
- Task lighting
- Decorative lighting
- Furniture lighting

Product benefits

- Product is tested under various conditions by accredited laboratories
- High quality Bridgelux SMD LEDs
- LED lifetime is tested according to LM-80 standard
- High quality light meets EU photobiological safety requirements for indoor lighting
- 6-year manufacturer's warranty (L70 >54 000 h)
- Made in Europe

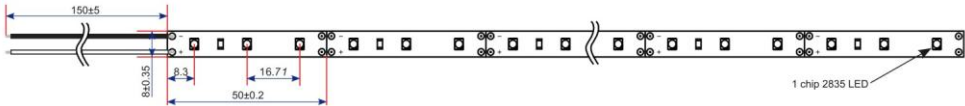
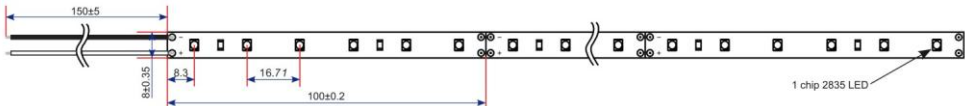
Product features

- Flexible and cuttable LED strip
- Rated power **16W per meter**
- Efficiency up to 91 Lm/W
- CRI >90
- Dimmable
- 12V and 24V options available
- (12V) 5m—optimal length connecting from both sides to avoid voltage drop more than 1 volt per strip
- (24V) 10m—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.

Electrical data

Item family code	Nominal voltage	Type of current	Nominal current,	Rated power
1660b12	12 V	DC	1,33 A/m	16 W/m
1660b24	24 V		0,66 A/m	16 W/m

Dimensions

Item family code	
1660b12	
1660b24	
	

¹ 12V led strip can be cut every 50 mm

² 24V led strip can be cut every 100mm

³ wires are soldered at both ends of reel in typical product assembly

Photometric data

Item code	CCT	Color	CRI	Light output	Efficiency
1660b12K27	2700 K	Warm white	>90	1323 lm/m	83 lm/W
1660b12K30	3000K	Warm white		1356 lm/m	85 lm/W
1660b12K40	4000K	Neutral white		1421 lm/m	89 lm/W
1660b12K57	5700K	Cool White		1454 lm/m	91 lm/W

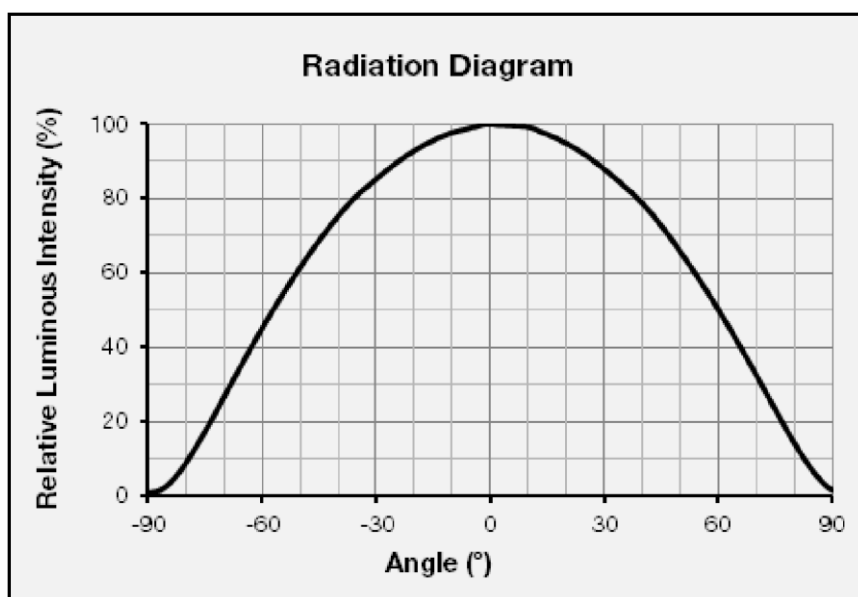
1660b24K27	2700 K	Warm white	>90	1323 lm/m	83 lm/W
1660b24K30	3000K	Warm white		1356 lm/m	85 lm/W
1660b24K40	4000K	Neutral white		1421 lm/m	89 lm/W
1660b24K57	5700K	Cool White		1454 lm/m	91 lm/W

Temperature conditions

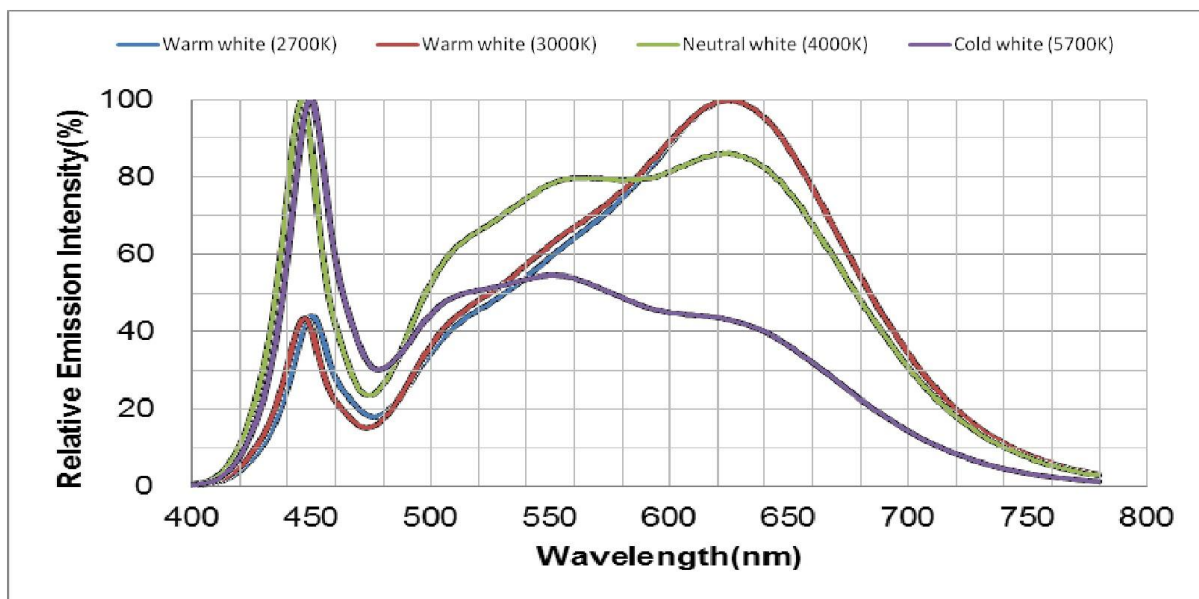
Item family code	Ambient working	Product working	Storage temperature
1660b12	-30C ~ +30°C	Less than 60°C at room temperature 23°C	-40C ~ +85°C
1660b24			

* 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 here is provided by LED manufacturer.

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.

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