



Areas of application

- .. General lighting
- .. Task lighting
- .. Decorative lighting

Product benefits

- .. Product is tested under various conditions by accredited laboratories
- .. High quality Bridgelux SMD LED
- .. LED lifetime is tested according to LM-80 standard
- .. High LED density creates „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 (L70 >54 000 h)
- .. Made in Europe

Product features

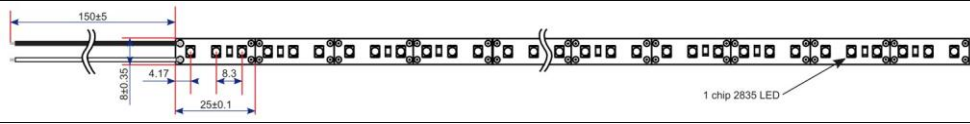
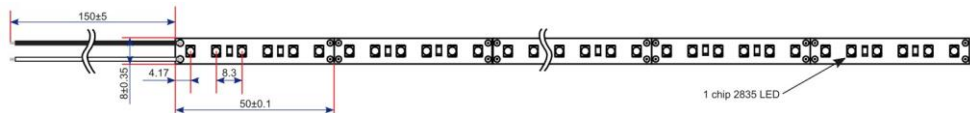
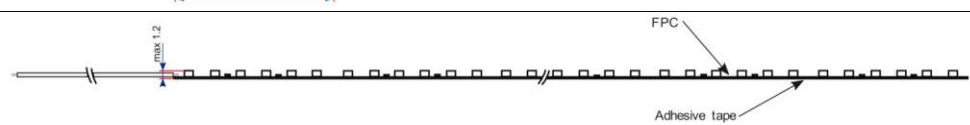
- .. Flexible and cuttable LED strip
- .. Rated power **18W per meter**
- .. Efficiency up to 100 Lm/W
- .. CRI >90
- .. Dimmable
- .. 12V and 24V options available
- .. (12V) 5m—optimal length connecting from both sides to avoid voltage drop more than 1 volt per strip
- .. (24V) 10m—optimal length connecting 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
1812b12	12 V	DC	1,6 A/m	18,6 W/m
1812b24	24 V		0,8 A/m	18 W/m

Dimensions

Item family code	
1812b12	
1812b24	
	

¹ 12V led strip can be cut every 25 mm

² 24V led strip can be cut every 50mm

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

Photometric data

Item code	CCT	Color	CRI	Light output	Efficiency
1812b12K27	2700 K	Warm white	>90	1633 lm/m	91 lm/W
1812b12K30	3000K	Warm white		1673 lm/m	93 lm/W
1812b12K40	4000K	Neutral white		1754 lm/m	97 lm/W
1812b12K57	5700K	Cool White		1794 lm/m	100 lm/W

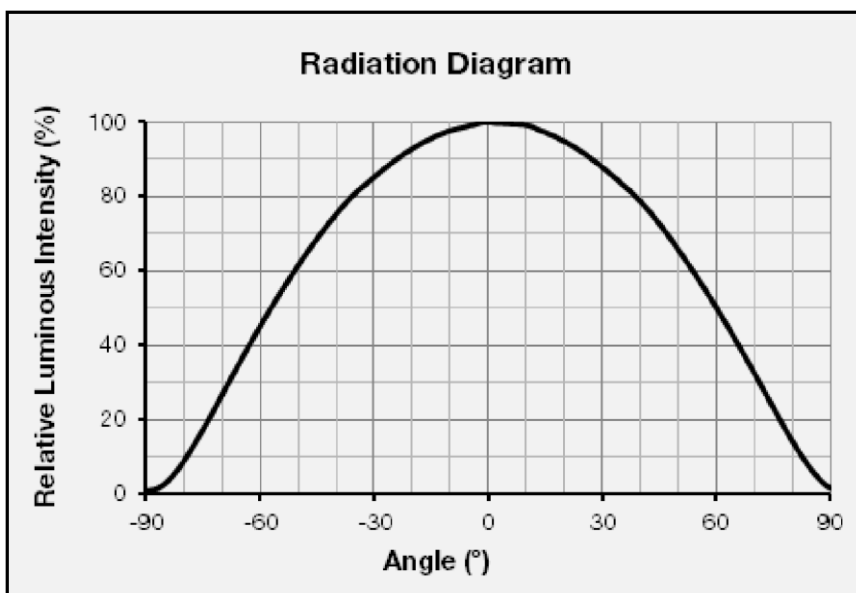
1812b24K27	2700 K	Warm white	>90	1633 lm/m	91 lm/W
1812b24K30	3000K	Warm white		1673 lm/m	93 lm/W
1812b24K40	4000K	Neutral white		1754 lm/m	97 lm/W
1812b24K57	5700K	Cool White		1794 lm/m	100 lm/W

Temperature conditions

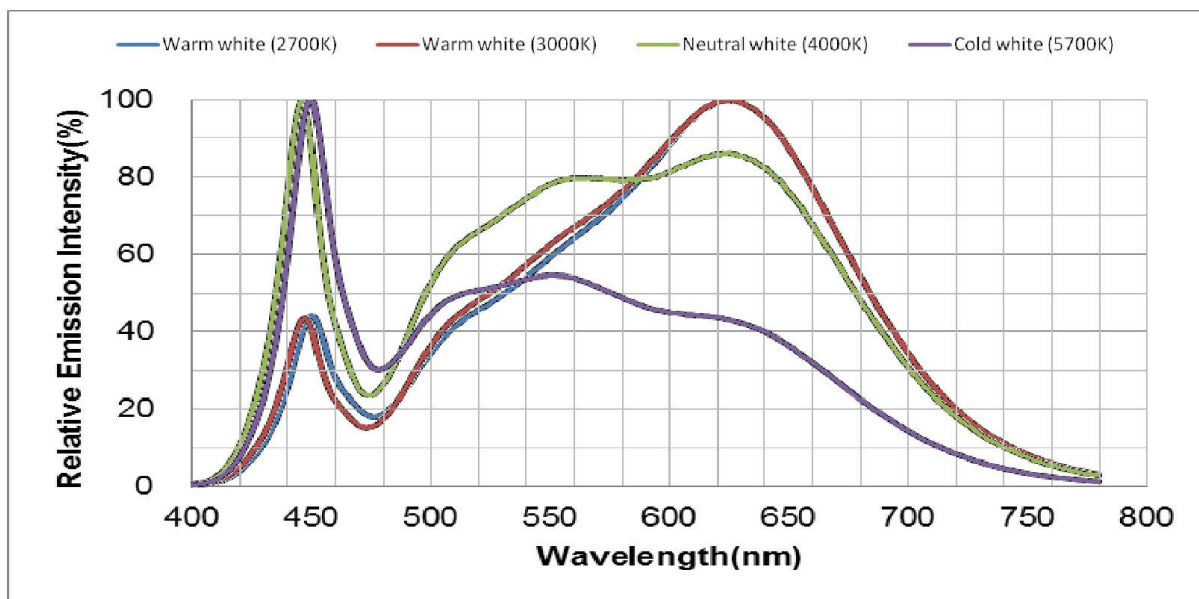
Item family code	Ambient working temperature, t ^a	Product working temperature	Storage temperature
1812b12	-30C ~ +30°C	Less than 60°C at room temperature 23°C	-40C ~ +85°C
1812b24			

* 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