

Areas of application

- General lighting
- Task lighting
- Decorative lighting

Product benefits

- Improved design ensures much greater efficiency.
- 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)
- Made in Europe

Product features

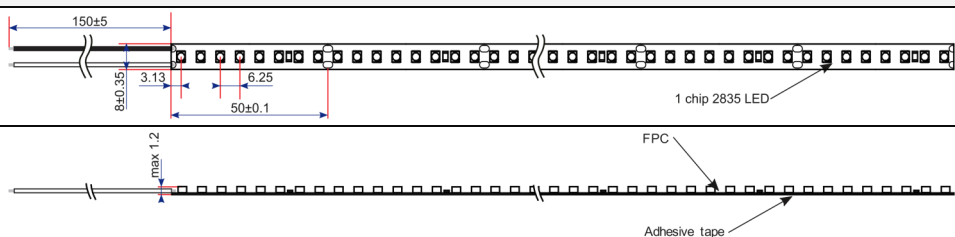
- Flexible and cuttable LED strip
- Rated power **24.7W per meter**
- Efficiency up to 135 Lm/W
- CRI >90
- IP20 or IP67 options available. IP67 version is indicated by “-IP” at the end the item code.
- Dimmable
- (24V) 3m—optimal strip length to avoid a voltage drop of more than 0.3 volts when powered 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
2516S24	24 V	DC	1.03 A/m	24.7 W/m

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

Dimensions

Item family code	
2516S24	

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
2516S24K27	2700 K	Warm white	>90	2996 lm/m	121 lm/W
2516S24K30	3000K	Warm white		3131 lm/m	127 lm/W
2516S24K40	4000K	Neutral white		3332 lm/m	135 lm/W
2516S24K57	5700K	Cool White		3332 lm/m	135 lm/W

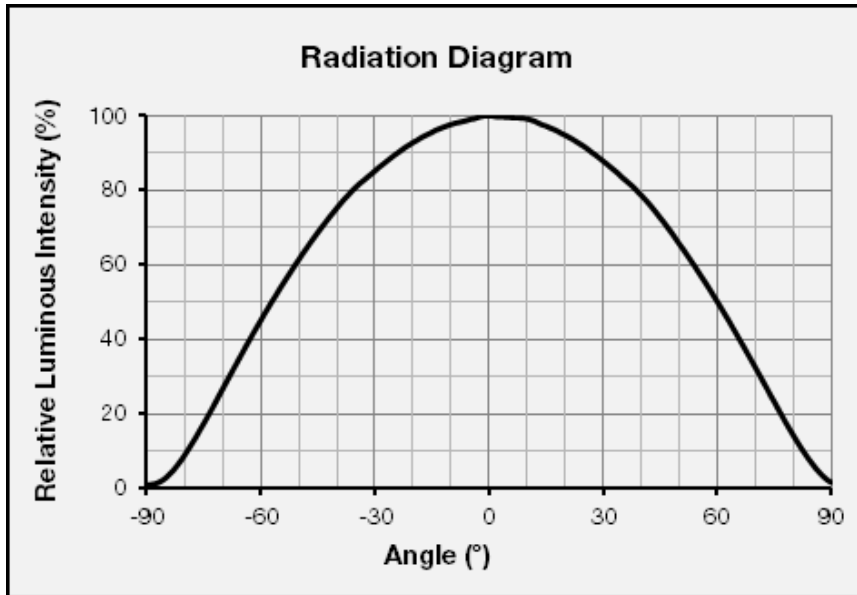
2. Tolerance +/-10%; Data specified when product temperature is at 45°C

Temperature conditions

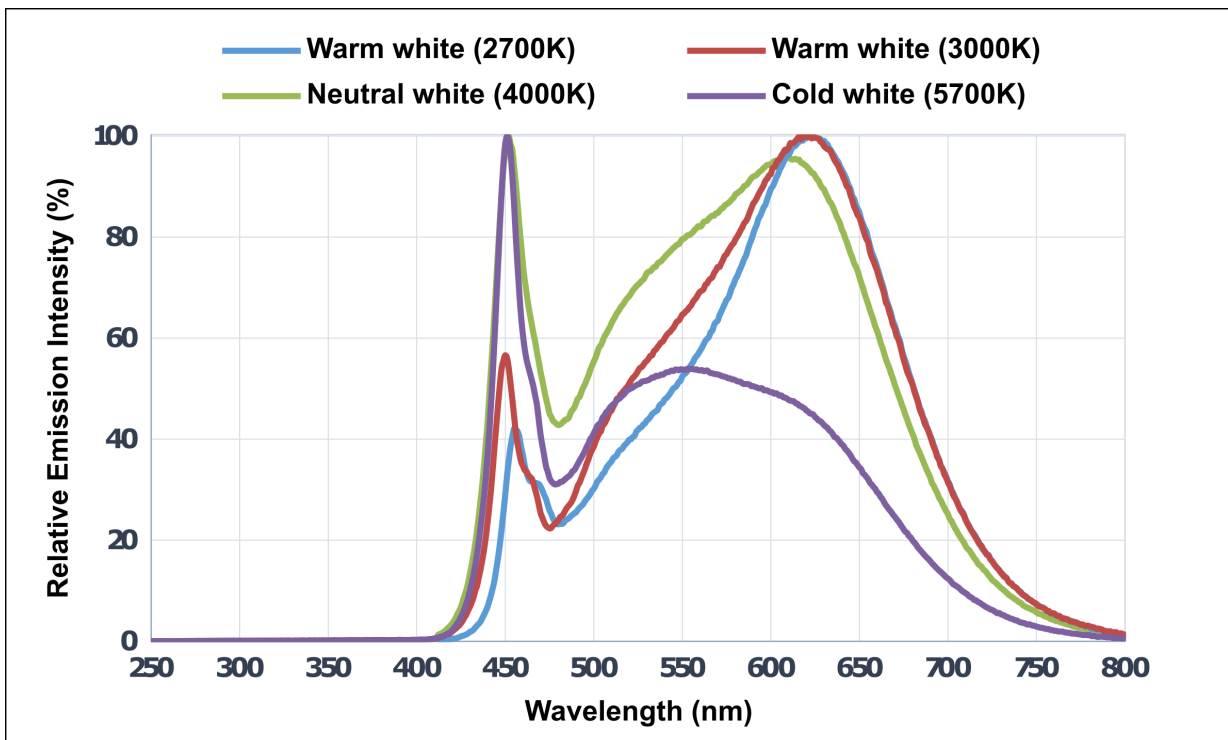
Item family code	Ambient working temperature, t ^a	Product working temperature	Storage temperature
2516S24	-30C ~ +30°C	Less than 60°C at 23°C ambient temperature	-40C ~ +85°C

• 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)*

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	Energy class	Symbol
2516S24K27	E	
2516S24K30	E	
2516S24K40	E	
2516S24K57	E	

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