

### Areas of application

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- General lighting
- Task lighting
- Decorative lighting

### Product benefits

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- High quality **Samsung** LEDs. Lifetime is tested according to LM-80 standard
- Exceptionally high LED density ensures a consistent “line of light” effect even in very shallow profiles
- Convenient 25 mm cutting step
- High quality light meets EU photobiological safety requirements for indoor lighting
- 7-year manufacturer’s warranty (L70 >60 000 h; L80 >60 000 h; L90 ~31 000 h)
- Made in Europe

### Product features

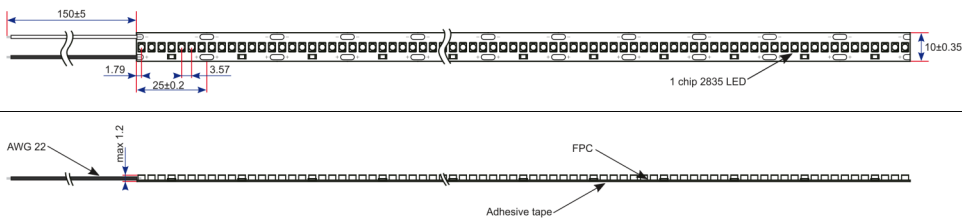
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- Flexible and cuttable LED strip
- Rated power **18 W per meter**
- Efficiency up to 132 Lm/W
- CRI > 90
- Dimmable
- (24V) 7 m—optimal length connecting from both sides to avoid voltage drop more than 1.3 volt per strip

### Electrical data

Item family code	Nominal voltage	Type of	Nominal current	Rated power
<b>1828s24</b>	24 V	DC	0,75 A/m	18 W/m

### Dimensions

Item family code	
<b>1828s24</b>	

<sup>1</sup> LED strip can be cut every 25 mm

<sup>2</sup> Wires are soldered at both ends of reel in typical product assembly

### Photometric data

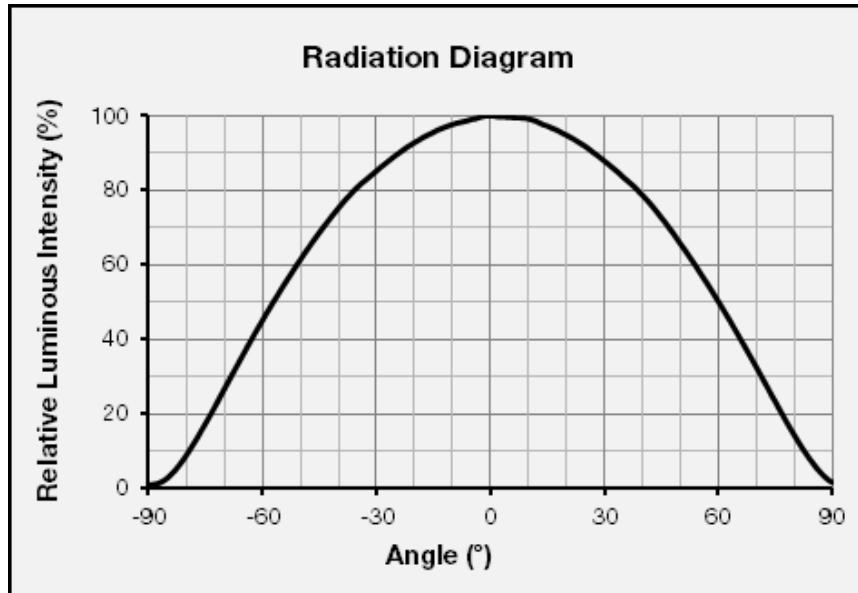
Item code	CCT	Color	CRI	Light output	Efficiency
<b>1828s24K27</b>	2700K	Warm white	>90	2139 lm/m	119 lm/W
<b>1828s24K30</b>	3000K	Warm white		2236 lm/m	124 lm/W
<b>1828s24K40</b>	4000K	Neutral white		2380 lm/m	132 lm/W
<b>1828s24K57</b>	5700K	Cool White		2380 lm/m	132 lm/W

### Temperature conditions

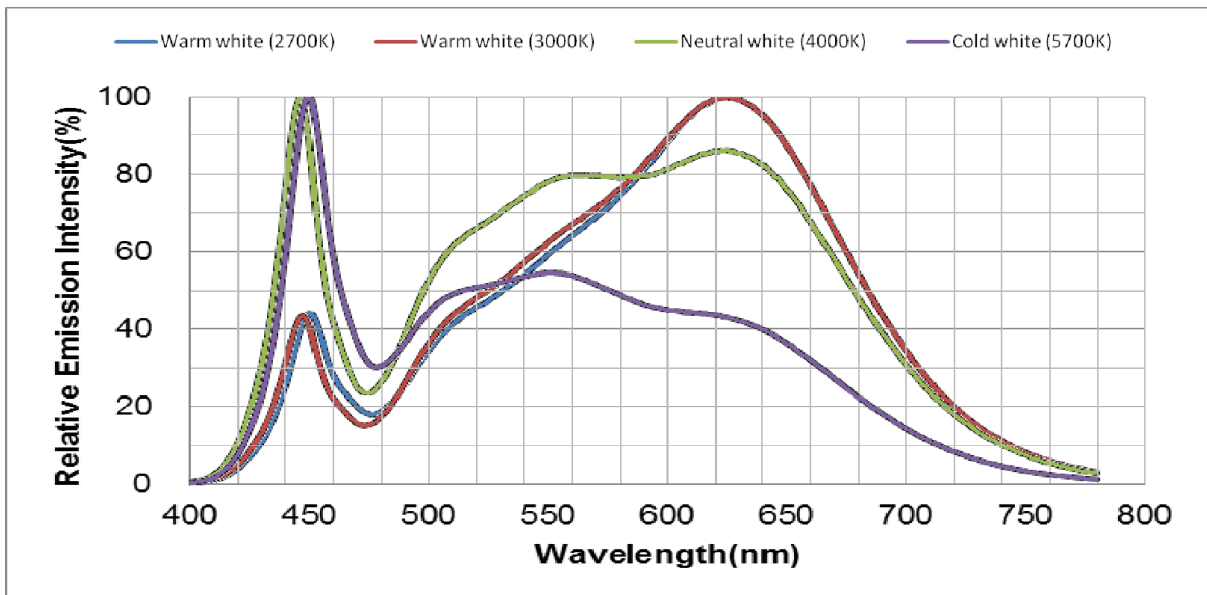
Item family code	Ambient working temperature, t <sup>a</sup>	Product working temperature	Storage temperature
<b>1828s24</b>	-30C ~ +30°C	Less than 60°C at room temperature 23°C	-40C ~ +85°C

• 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



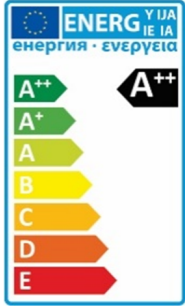







• Information here is provided by LED manufacturer.

### 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

Modelis/Model: <b>1828S24K30</b>					EEI	
<b>18</b> W/m	<b>24V</b> DC	<b>3000K</b>	<b>2236</b> Lm/m	<b>5m</b>		
 	<b>7</b> year warranty	CRI <b>&gt; 90</b>	<b>IP20</b>	<b>RoHS</b>		
<b>WARNING</b>	This package contains a static and moisture sensitive device					
<b>ATTENTION</b>	Storage temperature: -40, +80 °C					
   						

### 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

Note: installation instructions are included in every box