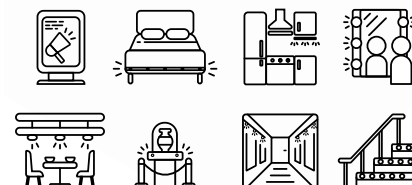


FEATURES:

- high light output and energy efficiency
- very short section cut length: 8.33 mm (1 LED)
- number of diodes – 120 LED/m
- width 8 mm
- very good optical parameters CRI >90
- high durability and service life – over 100 000 h at 25°C

APPLICATIONS:

- lighting for advertisements, shop windows, display cases, and exhibitions
- edge lighting of transparent plastics
- decorative lighting for mirrors, shelves and niches
- furniture and kitchen lighting
- interior lighting – rooms, corridors, residential and commercial spaces
- LED linear lighting systems in buildings
- staircase lighting
- museum and gallery lighting

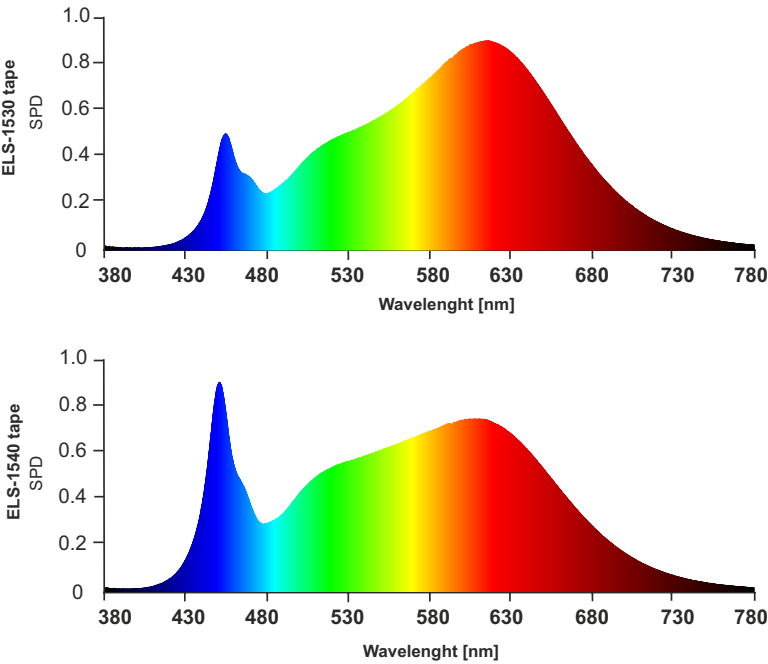


ELS 10 (9.6 W/m) are medium-power SMD LED strips, ideal for decorative applications where high light intensity is not required. Thanks to the appropriate diode density (120 LEDs/m) and the use of a diffuser, they provide a uniform light line. A wide range of color temperatures (2300–6000K) allows precise adjustment of lighting to various needs and conditions, ensuring comfort and creating the right atmosphere in any situation. The high color rendering index (CRI > 90) guarantees accurate reproduction of the colors of illuminated objects. Premium-grade components and a flexible, double-sided laminate increase durability and resistance to mechanical damage. Carefully selected LEDs ensure high consistency in emission and color, as well as reliable operation even at elevated temperatures.

TECHNICAL SPECIFICATION

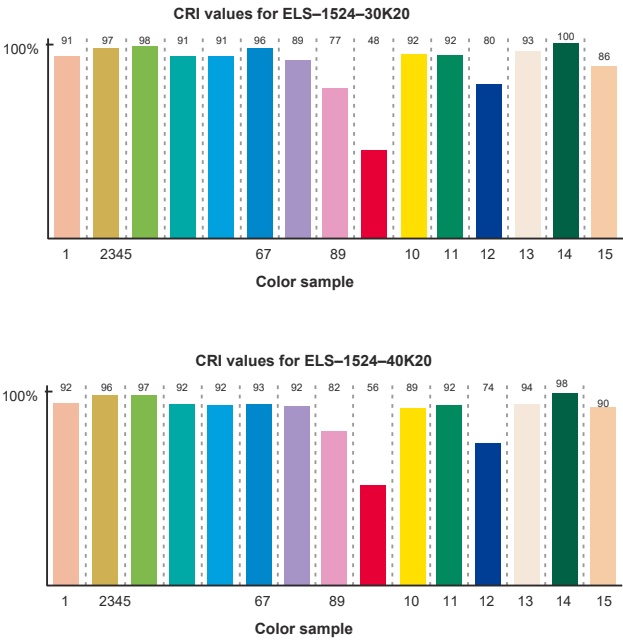
Group	Parameter	ELS-1024-23K20	ELS-1024-27K20	ELS-1024-30K20	ELS-1024-35K20	ELS-1024-40K20	ELS-1024-60K20
Electrical parameters	Rated power supply voltage	24 V					
	Power consumption for 1 meter	9.6 W/m					
	Current for 1 meter	0.4 A					
	Energy consumption during 1000 h of operation	9.6 kWh/m					
	Protection class against electrical shock	III					
	Works with PWM dimmers	Yes					
Optical parameters	Light color	Ultrawarm	Very warm	Warm white	Neutral-warm	Neutral white	Cool
	Correlated color temperature (CCT)	2300 K	2700 K	3000 K	3500 K	4000 K	6000K
	Luminous flux per meter (typical)	1000 lm/m	1100 lm/m	1220 lm/m	1240 lm/m	1300 lm/m	1260 lm/m
	Light output per watt (typical)	105 lm/W	117 lm/W	127 lm/W	129 lm/W	136 lm/W	131 lm/W
	Color Rendering Index CRI (min)	90					
	Red Color Reproduction Ratio (R9)			49		68	
	Color space (Color Gamut Index)						
	CIE1931 chromaticity (x and y) coordinates			x=0.39 y=0.43		x=0.368 y=0.352	
Mechanical features	ErP energy class	E					
	LED type	SMD2835					
	Number of LEDs per meter	120					
	Cutting section length	8.33 mm					
	Adhesive tape type	3M thermally conductive					
	Tape width	8 mm					
	Tape height	1.5 mm					
	FPC flexible substrate laminate (copper thickness)	0.35 mm 3 oz					
	Minimum bent radius	60 mm					
	The color of the protective mask for the FPC substrate	White					
Environmental characteristics	Beam angle	120°					
	Ingress protection class	IP 20					
	For indoor use	Yes					
	Length of connecting wires	12 cm					
	Operating temperature range	-20 to +40°C					
	Lifetime L80 at 40°C	60 000 h					
	Lifetime L80 at 25°C	100 000 h					
	Declarations and certificates	CE, RoHS, UKCA, REACH					
	Number of meters per roll	25 m					
	Packaging	Antistatic bag					
	Manufacturing	China					
	Guarantee	7 years					
	EAN	5904139613603	5904139613610	5904139613368	5904139613627	5904139613375	5904139613634

SPECTRAL ENERGY DISTRIBUTION



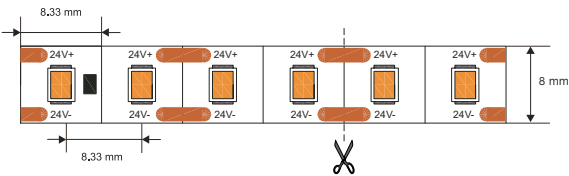
Spectral energy distribution for the ELS-1524 version. Photometric files (e.g LDT) and measurement data of all ELS series tapes are available on request.

CRI COMPONENT VALUES



CRI component values for two ELS tapes. Data for other versions are available on request.

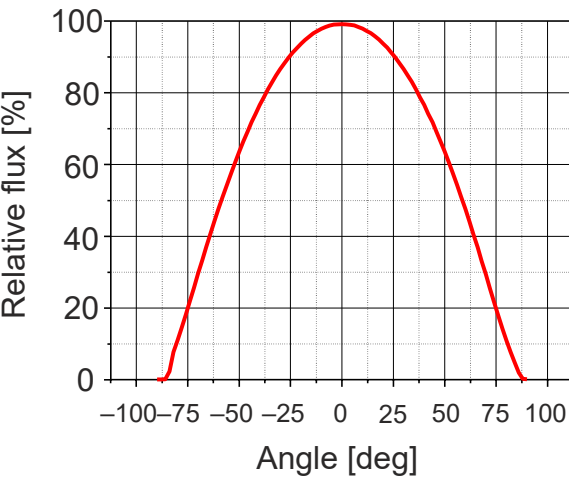
LED ARRANGEMENT ON THE TAPE



WHITE LIGHT NAMES AND CCT

Shades of white light and their names		
2300 K	Ultrawarm	Exceptionally warm light reminiscent of candlelight
2700 K	Sunrise	Very warm light creating a cozy atmosphere
3000 K	Warm white	Warm light perfect for home comfort
3500 K	Neutral-warm	A subtle balance between warm and neutral light
4000 K	Moonlight, neutral white	Neutral light conducive to concentration
5000 K	Daylight, cold white	Bright, cool light that enlivens the space
6000 K	Cool white	Cool, intense light resembling daylight

LIGHT EMISSION ANGLE



AVAILABLE VARIANTS

Variant	Model	Correlated color temperature (CCT)
ELS 5	ELS-0524-23K20	2300 K
	ELS-0524-27K20	2700 K
	ELS-0524-30K20	3000 K
	ELS-0524-35K20	3500 K
	ELS-0524-40K20	4000 K
	ELS-0524-60K20	6000 K
ELS 10	ELS-1024-23K20	2300 K
	ELS-1024-27K20	2700 K
	ELS-1024-30K20	3000 K
	ELS-1024-35K20	3500 K
	ELS-1024-40K20	4000 K
	ELS-1024-60K20	6000 K
ELS 15	ELS-1524-23K20	2300 K
	ELS-1524-27K20	2700 K
	ELS-1524-30K20	3000 K
	ELS-1524-40K20	4000 K
	ELS-1524-60K20	6000 K