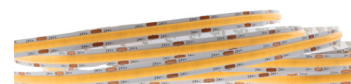


FEATURES:

- even light diffusion – no visible LED spots
- section cut length: 25 mm
- quick and easy installation thanks to the flexible base
- high light output and energy efficiency
- very good optical parameters: CRI >90
- full colour space reproduction (Colour Gamut Index): >97
- high durability and service life – over 100 000 h at 25°C
- warranty: 7 years

APPLICATIONS:

- lighting for advertisements, shop windows, display cases, and exhibitions
- decorative lighting for mirrors, shelves and bays
- furniture and kitchen lighting
- interior lighting: rooms, corridors, living spaces
- illumination of false ceilings and stairs
- workstation lighting
- lighting for museum exhibitions and galleries
- interior lighting for vehicles, cabs and trailers
- decorative lighting for plants and aquaria
- edge lighting of transparent plastics

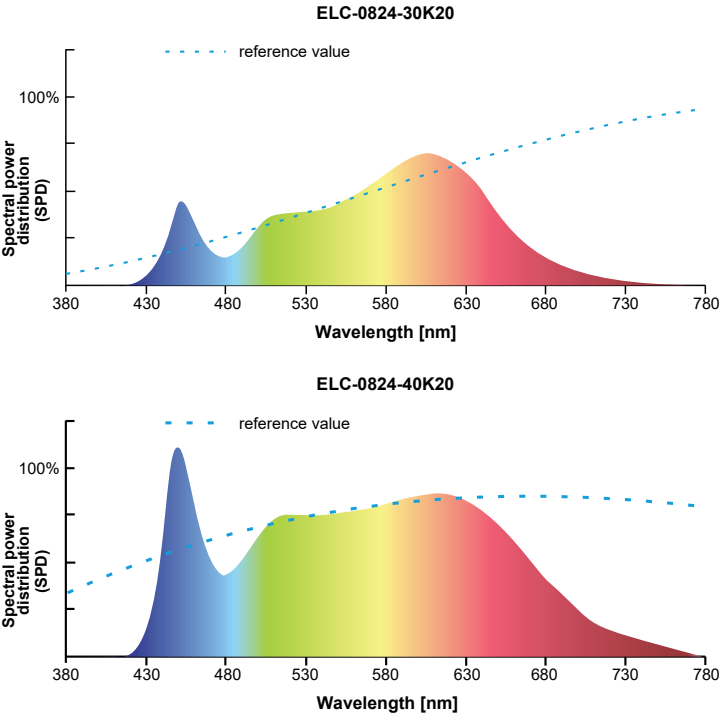


ELC-0824 LED strips are high quality strips designed for professional use. The very high colour rendering index CRI provides good color reproduction. They are made of high-quality components on a double-sided flexible laminate, which ensures longer life and better protection against mechanical damage. The COB LEDs (320 per metre) ensure an even distribution of light, with no blackouts, discolouration or colour artifacts. The strips guarantee a long service life and long trouble-free operation even at elevated temperatures.

TECHNICAL SPECIFICATION

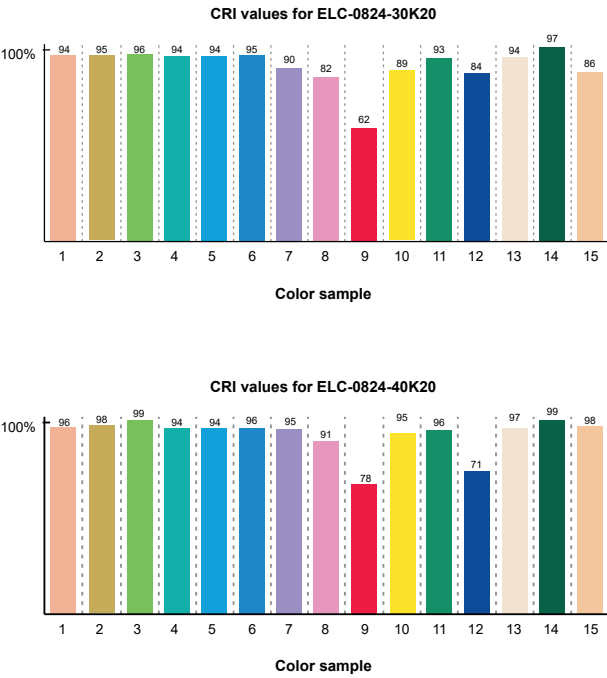
Group	Parameter	ELC-0824-30K20	ELC-0824-40K20
Electrical parameters	Rated power supply voltage	24 V	
	Power consumption for 1 meter	8 W/m	
	Current for 1 meter	0.33 A	
	Energy consumption during 1000 h of operation	8 kWh	
	Protection class against electrical shock	II	
	Works with PWM dimmers	Yes	
Optical parameters	Light color	Warm	Neutral
	Correlated color temperature (CCT)	3000 K	4000 K
	Luminous flux per meter (typical)	550 lm	600 lm
	Light output per watt (typical)	68 lm/W	75 lm/W
	Color Rendering Index CRI (min)	90 (94 typ.)	90 (95 typ.)
	Red Color Reproduction Ratio (R9)	62	78
	Color space (Color Gamut Index)	98	97
	CIE1931 chromaticity (x and y) coordinates	0.4266, 0.4012	0.3671, 0.3730
Mechanical features	ErP energy class	G	
	LED type	COB	
	LEDs per meter	320	
	Cutting section length	50 mm	
	Adhesive tape type	3M thermally conductive	
	Tape width	8 mm	
	Tape height	1.6 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	IP20	
	For indoor use	Yes	
	Length of connecting wires	12 cm	
	Operating temperature range	-20 to 40°C	
	Lifetime L80 at 40°C	60000	
	Lifetime L80 at temp 25°C	100000	
	Declarations and certificates	CE, RoHS, UKCA, REACH	
	Number of meters per roll	10 m	
	Packaging	Antistatic bag - 420×380 mm	
	Manufacturing	China	
	Warranty	7 years	
	EAN	5904139613825	5904139613832

SPECTRAL ENERGY DISTRIBUTION



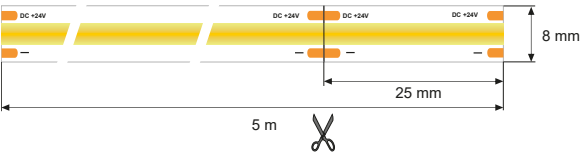
Spectral energy distribution for the ELC-0824 version.
Photometric files (e.g LDT) and measurement data of all ELC series tapes are available on request.

CRI COMPONENT VALUES



CRI component values for two ELC-0824 tapes.
Data for other versions are available on request.

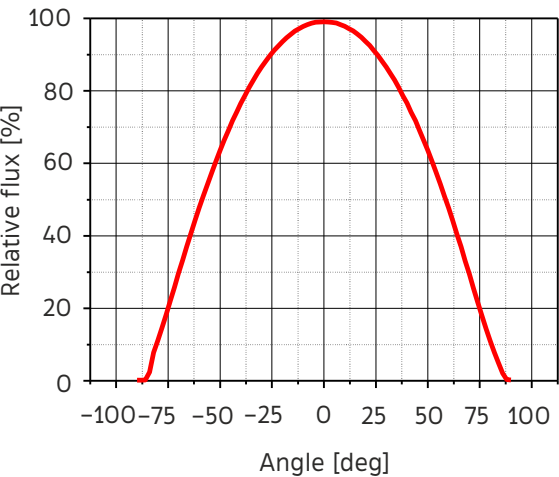
LED ARRANGEMENT ON THE TAPE



WHITE LIGHT NAMES AND CCT

Shades of white light and their names		
2300 K	Ultrawarm	Warm light perfect for home comfort
2700 K	Sunrise	Very warm light creating a cozy atmosphere
3000 K	Warm white	Warm light perfect for home comfort
3500 K	Ultrawarm	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	Coolwhite	Cool, intense light resembling daylight

LIGHT EMISSION ANGLE



AVAILABLE VARIANTS

Variant	Model	Correlated color temperature (CCT)
ELC-0824	ELC-0824-30K20	3000 K
	ELC-0824-40K20	4000 K
ELC-1024	ELC-1024-30K20	3000 K
	ELC-1024-40K20	4000 K

LABEL

FLEXIBLE LED STRIP LIGHTS

PROFESSIONAL GRADE

MODEL: ELC-0824-40K20

Voltage: 24 V (CV)
Power: 8 W/m
Color (CCT): 4000 K, neutral white
CRI: > 90 (93 typical)
Output: 600 lumens/m, 75 lm/W
Beam angle: 120°
Lifespan: L80>60000 h @ 40°C

Size: 8 mm × 1.6 mm
Length: 25 m
Density: 320 LED/m
Dimmable: Yes
Cut points: 25 mm
Technology: COB

Scan QR for specification or visit: <https://espe.cc/bg.pdf>

Made in China

IP20

5 904139 613832

CE UKCA RoHS Compliant

REACH

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Batch code: A0025.1925