

## WOWSTRIP OUTDOOR/INDOOR CREATIVE FULL-COLOR TILED LED ELEMENTS

WOWstrip product is a brand-new series of clustered LED strips designed for the use in show-business, television, outdoor advertising and entertainment industry. Elegant and lightweight WOWstrip elements are a powerful and multi-purpose tool for building semi-transparent video displays of all sizes and forms. LED strips give a splendid fit for creating video decor of stages, exhibition booths, interiors, and facades.

Use of industrial components guarantees waterproof performance and full IP65 protection. WOWstrip product is a reliable solution for all environmental and weather conditions. Convenient joints and fastenings allow assembling really huge video displays without the use of special load-bearing frames. WOWstrip product line is fully compatible with EKTA processing and control systems and allows imaging a colorful video with an unlimited number of visual effects.

WOWstrip elements are only 18,5 mm in width. Assembled displays have the unique effect of semi-transparency and the frame visually disappears when a dynamic image is shown. EKTA LED strips operate on super bright and high-quality Japanese diodes made by Nichia Corporation assuring vivid and color-rich images.

Fields and places of application:

- Interiors of bars, restaurants and entertainment centers
- TV shows and studios
- Stage design and video decor for various events
- Concert halls and other places of mass events
- Architectural video design and media facades
- Huge video billboards and roof installations for outdoor advertising
- Design of exhibition booths and presentation stands

## Distinctive advantages:

- STRIP ARCHITECTURE. Unlimited potential for creative video display solutions due to strip architecture.
- LIGHTWEIGHT MODULE. One sq. meter of standard WOWstrip module weighs only 12 kg, which allows assembling elegant screens of huge sizes without the use of special load-bearing frames.
- HIGH TRANSPARENCY LEVEL. Video displays assembled from WOWstrip elements do not interfere with sound, light and wind.
- INTEGRATION POSSIBILITIES. WOWstrip tiles can be used with any visual equipment and easily integrated into any stage design.
- FULL PROTECTION. WOWstrip product is fully protected from water and dust in accordance with IP65 classification and has guaranteed all-weather performance.



## MODELS OF WOWSTRIP ELEMENTS



LVS504C-SMD

This model of LED clustered strip has four Nichia full-color SMDs in one pixel and a 50 mm real pixel pitch. The maximum brightness of one strip is 40 cd/m. Its length is 1 000 mm, width - 18,5 mm, height - 15,6 mm. With its pixel LED configuration LVS 504C-SMD model is specially designed to display unlimited number of colorful visual effects and is best suitable for the use in show-business and decor setting.



LVS50C-SMD

This model of LED clustered strip has one Nichia full-color SMD in one pixel and a 50 mm real pixel pitch. The maximum brightness of one strip is 50 cd/m. Its length is 1 000 mm, width - 15,9 mm, height - 17,6 mm.



LVS50C

This model of LED clustered strip has four Nichia one-color DIP LEDs in one pixel: R (red) - 2 pieces, PG (green) - 1 piece, B (blue) - 1 piece, and a 50 mm real pixel pitch. The maximum brightness of one strip is 80 cd/m. Its length is 1 000 mm, width -18,5 mm, height - 23 mm. The model is specially designed for media facades solutions.

## TECHNICAL SPECIFICATIONS OF WOWSTRIP ELEMENTS

WOWstrip		LVS 504C-SMD	LVS 50C-SMD	LVS 50C
Strip dimensions	Length	1000 mm	1000 mm	1000 mm
	Width	18,5 mm	15,9 mm	18,5 mm
	Height	15,6 mm	17,6 mm	23,0 mm
Pixel pitch		50 mm	50 mm	50 mm
Pixel LED configuration		4 pieces (Nichia SMD 3 in 1)	1 piece (Nichia SMD 3 in 1)	4 pieces (Nichia, oval type)
Pixels per strip		20	20	20
Color processing		16 bit	16 bit	16 bit
Colors		Up to 281 trillion (48 bit)	Up to 281 trillion (48 bit)	Up to 281 trillion (48 bit)
Viewing angle:	horizontal	160°	160°	140°
	vertical	160°	160°	140°
Strip brightness		40 cd/m	50 cd/m	80 cd/m
Refresh rate		1 000 Hz minimum	1 000 Hz minimum	1 000 Hz minimum
Lifetime		> 75 000 hours	> 75 000 hours	> 75 000 hours
Operating temperature		-20°C to +40°C	-20°C to +40°C	-20°C to +40°C
Protection		IP65	IP65	IP65
Power supply		380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz
Power consumption:	average	4 W	4 W	4 W
	maximum	10 W	10 W	10 W
Strip weight		0,34 kg	0,34 kg	0,34 kg

## MODELS OF WOWSTRIP DISPLAY TILES

### LVS 504C-SMD

EKTA semi-transparent displays are assembled from tiles built on the basis of WOWstrip full-color LED elements. Tile models correspond to the models of WOWstrip elements. A tile has a square shape with a 1 000 mm side, its thickness is 40 mm. LVS 504C-SMD model has 800 NIT maximum tile brightness. It is specially designed to display unlimited number of colorful visual effects and is best suitable for the use in show-business and decor setting.

### LVS 50C-SMD

EKTA semi-transparent displays are assembled from tiles built on the basis of WOWstrip full-color LED elements. Tile models correspond to the models of WOWstrip elements. A tile has a square shape with a 1 000 mm side, its thickness is 40 mm. This model has 1 000 NIT maximum tile brightness.

### LVS 50C

EKTA semi-transparent displays are assembled from tiles built on the basis of WOWstrip full-color LED elements. Tile models correspond to the models of WOWstrip elements. A tile has a square shape with a 1 000 mm side, its thickness is 40 mm. LVS 50C model has 1 600 NIT maximum tile brightness. It is specially designed for media facades solutions.



## TECHNICAL CHARACTERISTICS OF WOWSTRIP TILES

WOWstrip	LVS 504C-SMD	LVS 50C-SMD	LVS 50C
Tile dimensions (20 strips)	1,0x1,0x0,04(0,145) m	1,0x1,0x0,04(0,145) m	1,0x1,0x0,04(0,145) m
Display size	Display sizes can vary multiple to tile dimensions. 4:3 or 16:9 TV format is recommended for video displays.		
Tile area	1,0 m <sup>2</sup>	1,0 m <sup>2</sup>	1,0 m <sup>2</sup>
Resolution	20x20	20x20	20x20
Pixel pitch	50 mm	50 mm	50 mm
Maximum brightness	1 000 NIT	1 000 NIT	1 600 NIT
Power supply	380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz	380 V +20% -60%; 50 Hz
Power consumption:	average	80 W/m <sup>2</sup>	80 W/m <sup>2</sup>
	maximum	200 W/m <sup>2</sup>	200 W/m <sup>2</sup>
Display weight	12 kg/m <sup>2</sup>	12 kg/m <sup>2</sup>	12 kg/m <sup>2</sup>
Visual transparency	63%	68%	63%