



LightnTec  
Digital Signage & Screens

MEDIA-SCREEN-MATRIX

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## LED-Wallpaper-Solutions

During Renaissance of Lighting.

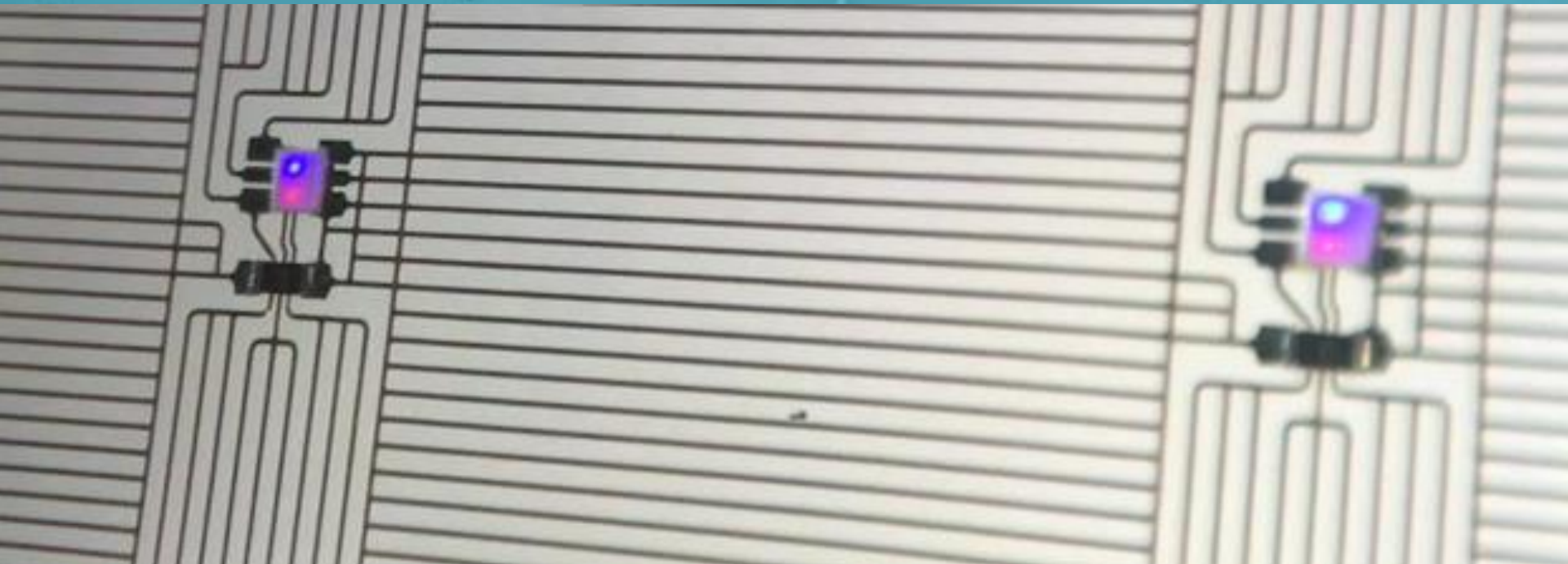
For Spaces of Wonder, being alive.

[www.lightntec.com](http://www.lightntec.com)

# RENAISSANCE OF ANALOGUE TO DIGITAL LIGHTING. TO CREATE LED-SPACES OF WONDER

Lightweight **LED-Wallpaper-Solutions** for spaces being alive:

- I. Media- and Corporate Architecture: **LED-Banner-Solutions.**
  - II. Shop Design and Retail-Entertainment: **LED-Wall & Ceiling Solutions.**
  - III. Within Vehicles and other “Spaces of Wonder”. **LED-Functional Lighting Solutions.**
  - IV. Brighter by Day: **LED-Centric Lighting Solutions.**
- Triggered by People and Space. Responded by Light and LED-Wallpaper by LightnTec.



## I: MEDIA- AND CORPORATE ARCHITECTURE EVER CHANGING – EVER RESPONDING LIGHT

For Spaces being alive: Lightweight **LED-Banner-Solutions**:

- LED-Wallpaper, easy to install and lightweight, for viewing distances of 30m onwards
- Digitalizing Facades (for Media- and Corporate Architecture, Retail and Advertising)
- Retrofit for High Rise Signs and Tower-Signs.
- Total Cost Savings **up to 70%**
- Unbeatable lightweight, temporary usage, any Size, you say “Stop!”.





## II: TRIGGERED BY SPACE – RESPONDED BY LIGHT INDOOR LARGE LUMINOUS SPACES

Ever changing Space being alive: **LED-Wall & Ceiling Solutions:**

- For Shop-Design, Corporate Architecture, and Corporate Design.
- Retail-Entertainment for Ceiling and Wall Lighting Solutions.
- Easy to install LED-Wallpaper, lightweight, tracks up to 14.000mm x 600mm.
- Easy to apply, over-the-head installations possible.
- Total Cost Savings **up to 50%**
- Ever changing Ambient to correspond and interact in between people and space.



### III: FOR SPACES OF WONDER

## WHITE, BRIGHT, DYNAMIC: FUNCTIONAL LIGHTING SOLUTIONS

A customized environment with **LED-Functional Lighting Solutions:**

- Multilayered combination of white, bright, dynamic Light, as much and where needed.
- To functionally illuminate “Spaces of Wonder” (Caravanning, Offices)
- Spaces of Light to illuminate and create unique and ever changing Feedback.
- Triggered by People and Space – Responded by Light and LED Wallpaper.



## IV: HUMAN CENTRIC DAYLIGHT SIMULATION LIGHT TO FOLLOW YOUR RHYTHM DURING THE DAY

Stimulating mood, behavior and energy: **LED-Centric Lighting Solutions:**

- Complete light spectrum to follow the natural rhythm of daylight for indoor applications
- Leveling Hormones Cortisol and Melatonin during the day.
- To encourage activity, concentration, performance, productivity, motivation, satisfaction.
- Positive effect on health, improve night-time sleep patterns.

➤ Human Centric Lighting Solutions: LED-Wallpaper to follow your Circadian Rhythm





## RENAISSANCE OF LIGHTING

### LED-WALLPAPER SOLUTIONS TO CREATE SPACES IN A FLUX:

- Light to constantly change,
  - Light to constantly respond and interact.
  - Light to react to people and space.
  - People within this space become a trigger for Light to adopt and to change.
- Triggered by people and space. Adopted by Light.
- Realized by LED-Wallpaper and LightnTec, Made in Germany.



## LIGHTWEIGHT LED-WALLPAPER SOLUTIONS MADE BY LIGHTNTEC IN GERMANY:

- Easy to apply / retrofit for existing Banner, Signage, Displays.
- Unbeatable lightweight and ultra thin. (min. 250g per m<sup>2</sup>).
- LED Pixel Pitch: 37.5mm
- Daylight 5.000 Candela
- IP protected: IP65
- Any size, any shape
- Reduce total cost of ownership up to 70%
- Patent Pending



Digital Dynamic Thin Film Lighting: Made in Germany



# WHEREVER SPACES SHALL BE DIGITAL DYNAMIC RESPONDING



LED Wallpaper Solutions.  
During Renaissance of Lighting.  
For Spaces of Wonder, being alive.

# THANK YOU!

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# TECHNICAL DATA OF MEDIA-SCREEN-MATRIX

Technical datas	MSM 50/1000	MSM 50/1600	MSM 37,5/5000
Pitch Configuration	1R1G1B SMD	1R1G1B SMD	1R1G1B SMD
Foil Material	PEN (Polyethylenphthalat)	PEN (Polyethylenphthalat)	PI (Polyimide)
Pixel Pitch	50 mm	50 mm	37,5 mm
Density (dots / m <sup>2</sup> )	400 dots / m <sup>2</sup>	400 dots / m <sup>2</sup>	711 dots / m <sup>2</sup>
Brightness	1000 nits video mode	1600 nits video mode, 3500 nits animation mode	5000 nits video mode
Size	1200 x 600 mm	600 x 600 mm	600 x 600 mm
Max power consumption	50 W / m <sup>2</sup>	85 W / m <sup>2</sup>	450 W / m <sup>2</sup>
Average power consumption	25 W / m <sup>2</sup>	43 W / m <sup>2</sup>	225 W / m <sup>2</sup>
Weight / m <sup>2</sup>	250 g / m <sup>2</sup>	250 g / m <sup>2</sup>	500 g / m <sup>2</sup>
Input Voltage	AC 230 V / 50 Hz and AC 110 V / 60 Hz	AC 230 V / 50 Hz and AC 110 V / 60 Hz	AC 230 V / 50 Hz and AC 110 V / 60 Hz
Colors	24 bit 16,7 Mio.	24 bit 16,7 Mio.	24 bit 16,7 Mio.
Frame rate (Hz)	30 Hz	30 Hz	30 Hz
Refresh rate	4000 Hz	4000 Hz	4000 Hz
Resolution	Depending on the size of a screen	Depending on the size of a screen	Depending on the size of a screen
Maximal lenght of a track	7,2 m	6 m	
Light transmittance	Yes	Yes	No
IP rating	can be delivered IP 65	Can be delivered IP 65 if required	IP 65
Video input	DVI	DVI	DVI
Supply voltage	48 V	48 V	48 V
Recommended viewing distance outside	35 m onwards	35 m onwards	25 m onwards
Recommended viewing distance inside with difusor	1m onwards	1m onwards	1m onwards
Recommended application outside	With flex face and cover mesh	With flex face and cover mesh	With flex face and cover mesh
Recommended application inside	To be defined but with difusor	To be defined but with difusor	To be defined but with difusor
Recommended size outside	From 20m <sup>2</sup>	From 20m <sup>2</sup>	From 16m <sup>2</sup>
Recommenden minimum size inside with difusor	On demand	On demand	On demand
Approved application	Onto flex face for outside	Onto flex face for outside	Onto flex face for outside
Application under progress	Onto lexan hanging from the ceiling	Onto lexan hanging from the ceiling	