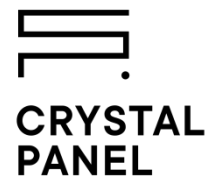


STANDARD OF PRODUCTION  
**CRYSTAL PANEL LED**  
**Multi White**



**Crystal Panel LED Multi White** is an element composed of engraved PMMA plexiglas with integrated LED lighting system which is to be used, among other things, for illuminating advertisements as well as to be installed in frames and furniture. This product is characterized by even light diffusion, low energy consumption and long-life span.

**Crystal Panel LED** is made according to the Customer's requirements with proven and durable components

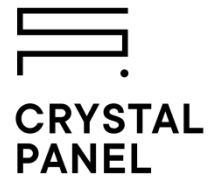
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ul. Błażeja 70D / 61-608 Poznań, Poland  
VAT No. / NIP: PL9721195168 / REGON: 301067675 / KRS: 0000334391  
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# STANDARD OF PRODUCTION

## CRYSTAL PANEL LED

### Multi White



#### 01 / STANDARD OF PRODUCTION INCLUDES

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1. PMMA thickness:
  - a. Standard: 8 mm
2. The pattern of the engraving on Plexiglas - dots
3. LED strips - flexible:
  - a. Of the power supply / output power: 24V - 21W/running meter
  - b. Standard colour temperature of white light:
    - WW 3000K – CW 7000K regulated by a dedicated controller (the controller is not an integral part of the panel and is available separately as part of our offer)
  - c. **On request:** we can make strips with other parameters of output power and color temperature
4. Types of illumination:
  - a. UNO: LED strip installed along 1 edge – It is recommended to place the strip along the longer edge for the best uniformity effect
  - b. DUO: LED strip installed along 2 edges – It is recommended to place the strip along the longer edge for the best uniformity effect
  - c. There is no possibility of installing an LED strip in the groove.
5. As a standard, a power cord or cords are routed out of each Crystal Panel product, depending on the design provided by the customer or the need for an additional power supply. **All power cords must be connected directly to a power supply or an installation of a power supply adapted to the project requirements.**
6. It is not allowed to cut additional supply wires or modify the power supply system in any way without the authorisation of the manufacturer.
7. Installation of the power cord:
  - a. Cord outlet - bottom right corner
  - b. Cord length 1.5 m (SMYp 3x0.35 or 3x0.22), color: black, red, green
  - c. With or without socket
8. Edges nomenclature:
  - a. Shorter dimension - vertical
  - b. Longer dimension – horizontal

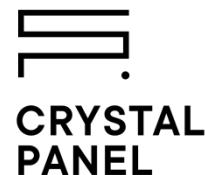
CP-SW-CPL-MultiWhite\_11\_2024



# STANDARD OF PRODUCTION

## CRYSTAL PANEL LED

### Multi White



#### 9. Dimensions and thickness tolerance:

- a. Panel area up to 0.5 m<sup>2</sup>: -1 mm from the nominal dimension
- b. Panel area over 0.5 m<sup>2</sup>: -2 mm from the nominal dimension
- c. Thickness: +/- 20% (manufacturing tolerance of PMMA sheets)

#### 10. Edge shading:

- a. 8 - 12 mm from the external edge where the LED strip is installed
- b. 6 - 8 mm from the external edges with the cord
  - Other solutions are possible depending on the agreed conditions - to be determined with the Consultant.
- c. Up to 15 mm from external edges with LED strip and cord (UNO III)
- d. Lack of the shading from the external edges without LED strip or cord.

**Attention! Placing the cable along the edge of the radiator forces the length of the Plexiglas to be reduced by 3 mm (UNO III)**

#### 11. The type of reflective material:

- a. As a standard, in CPL Multi White, 2 mm or 3mm HIPS is used

## 02 / STANDARD WIRING DIAGRAMS

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#### 1. We use a closed circuit:

- a. When the length of the LED strip exceeds: 1500 mm (24V)
- b. In the solution for the panel UNO III
- c. In the solutions for the panels DUO II

#### 2. We use an additional power cord:

- a. in solutions for UNO panels at LED strip lengths of more than 1500 mm (24V)
- b. in DUO solutions with LED strip lengths of more than 1500 mm (24V)

**Orders are processed according to the above-described standard and the schemes shown below, unless the customer agrees individually on the parameters of the ordered product.**

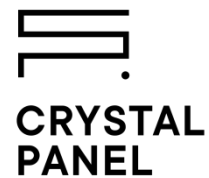
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# STANDARD OF PRODUCTION

## CRYSTAL PANEL LED

### Multi White

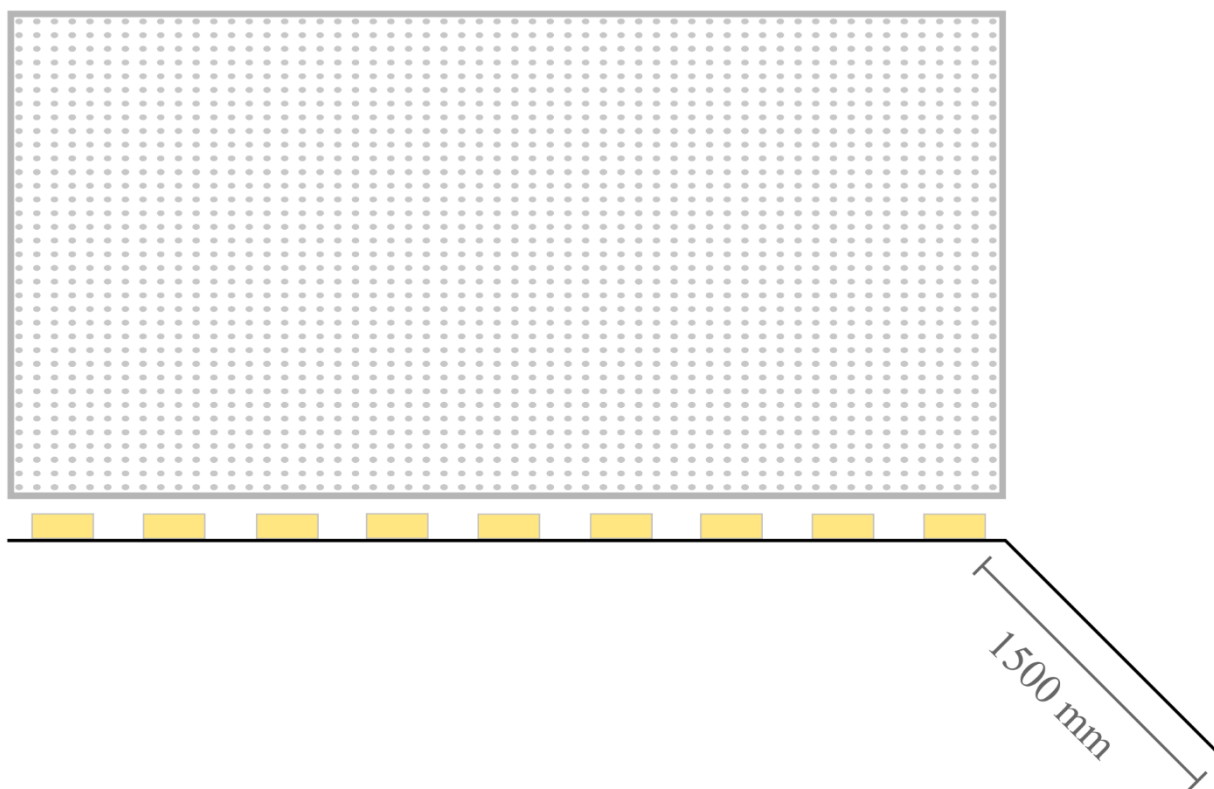


#### 3. UNO:

##### a. UNO I

- A power scheme is used when the length of the LED strip does not exceed: 1500 mm (24V)
- Power cord length: 1500 mm

### UNO I



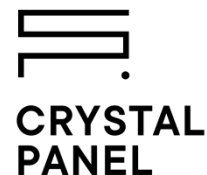
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# STANDARD OF PRODUCTION

## CRYSTAL PANEL LED

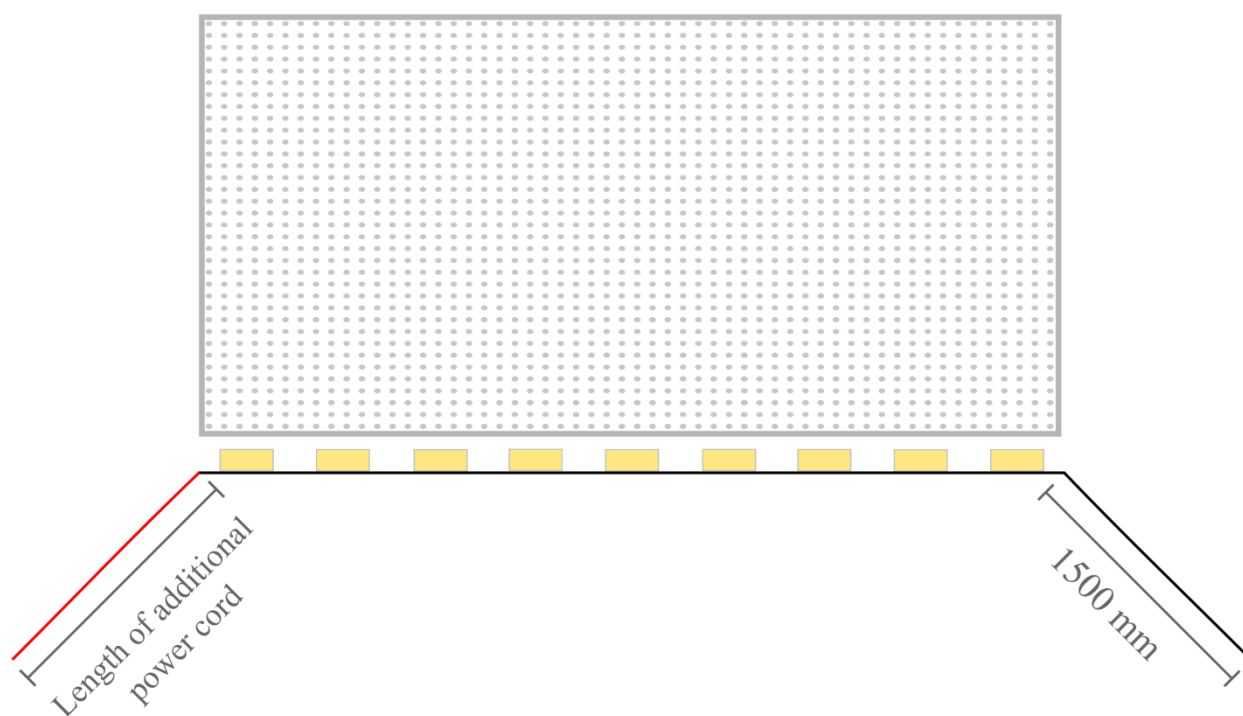
### Multi White



#### b. UNO II

- The power scheme is used when the length of the LED strip exceeds: 1500 mm (24V)
- Additional power supply is used
- Power cord length: 1500 mm
- Length of additional power cord: edge length with LED strip+1500 mm

#### UNO II



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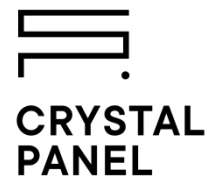
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# STANDARD OF PRODUCTION

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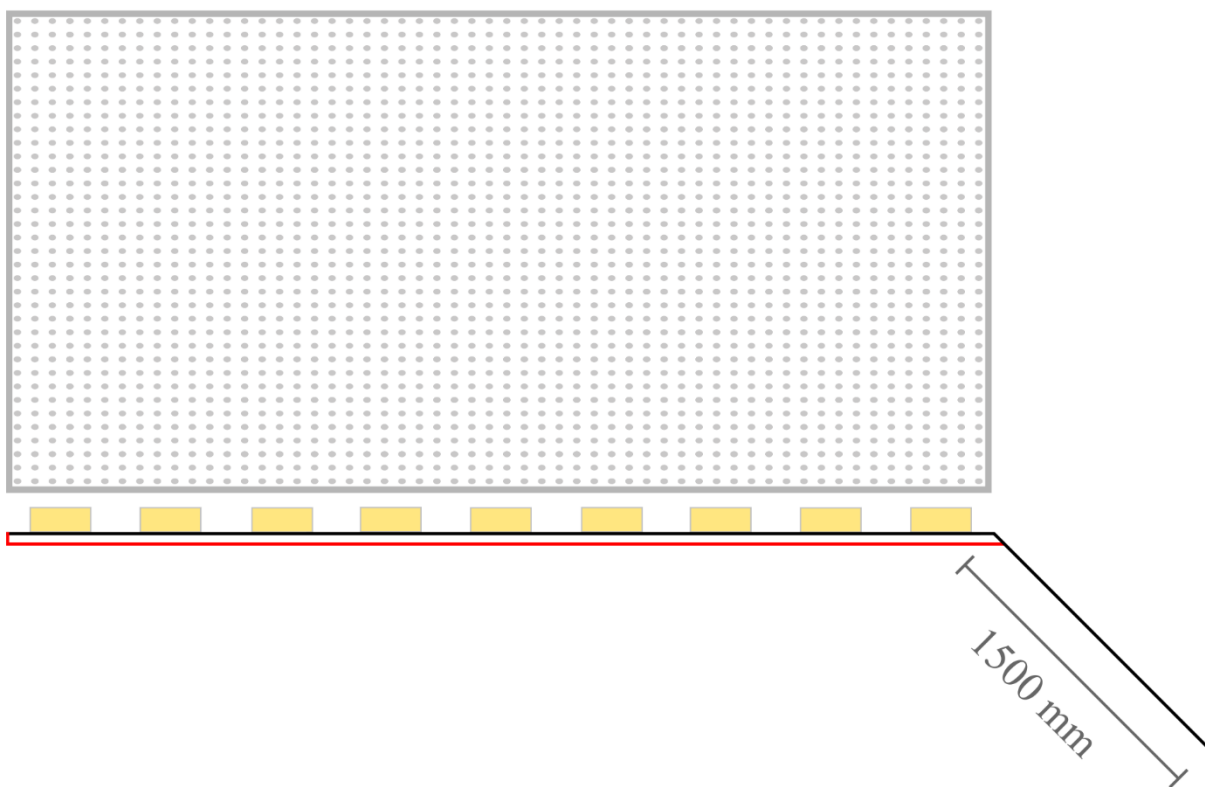
### Multi White



#### c. UNO III

- The power scheme is used when the length of the LED strip exceeds: 1500 mm (24V)
- closed circuit
- Power cord length: 1500 mm
- An additional power cable routed along the edge of the radiator is connected to the main power cable

### UNO III



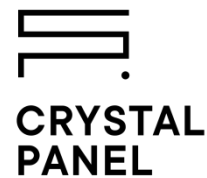
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# STANDARD OF PRODUCTION

## CRYSTAL PANEL LED

### Multi White

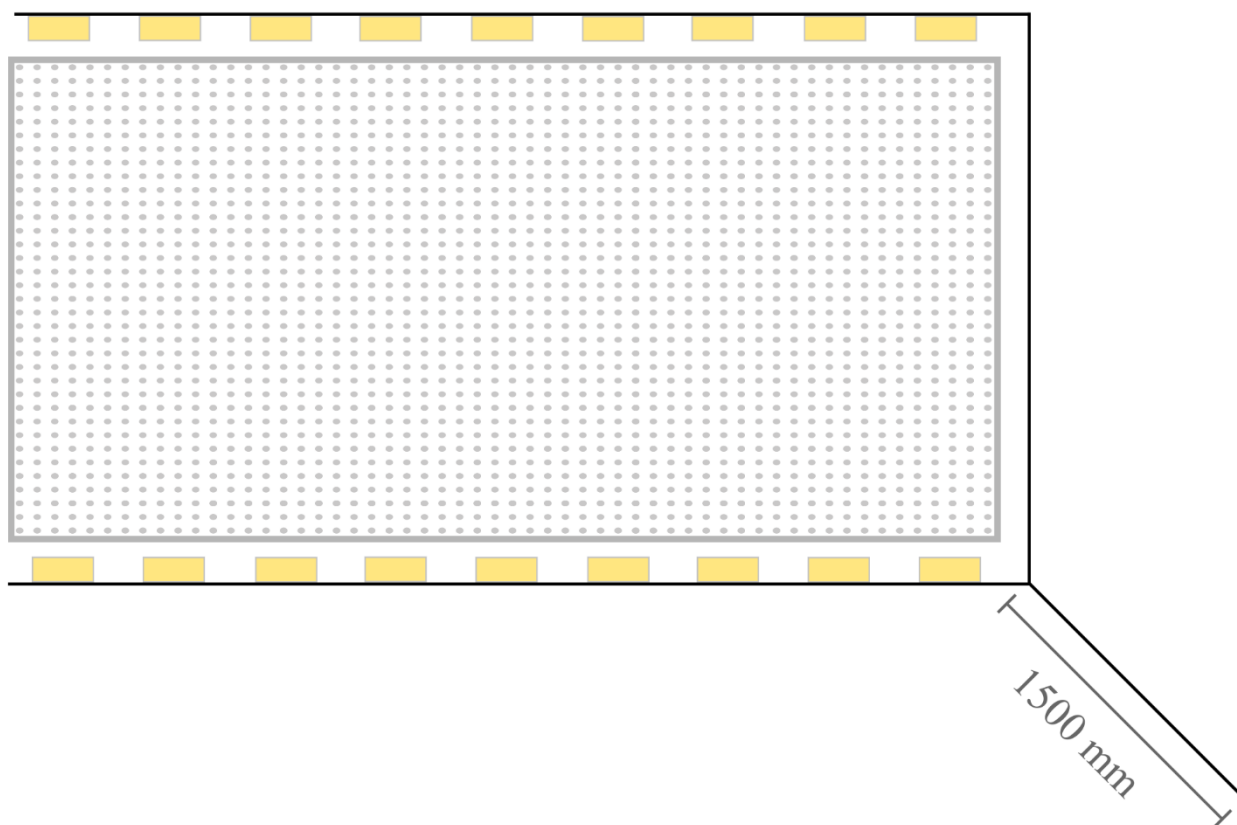


#### 4. DUO:

##### a. DUO I

- A power scheme is used when the length of the LED strip does not exceed: 1500 mm (24V)
- Power cord length: 1500 mm

### DUO I



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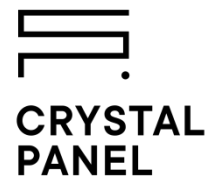
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# STANDARD OF PRODUCTION

## CRYSTAL PANEL LED

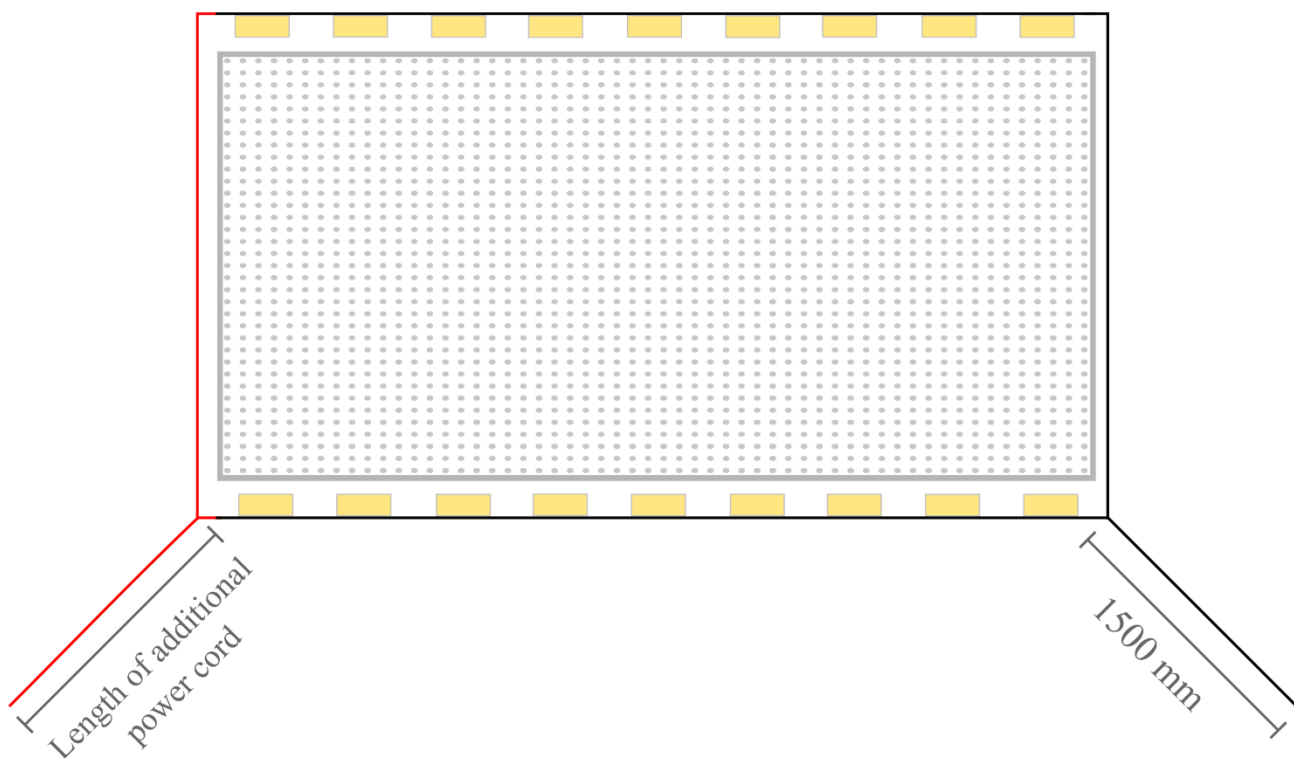
### Multi White



#### b. DUO II

- The power scheme is used when the length of the LED strip exceeds: 1800 mm (24V)
- Closed circuit
- Additional power supply is used
- Power cord length: 1500 mm
- Length of additional power cord: edge length with LED strip+1500 mm

### DUO II



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