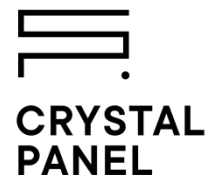


STANDARD OF PRODUCTION

CRYSTAL PANEL LED Double



Crystal Panel LED Double is an engraved panel made of PMMA plexiglass with an integrated LED lighting system, designed, among others, to illuminate advertisements and to be mounted in frames and furniture. It is characterized by even two-sided light dispersion, low power consumption and long life.

The **Crystal Panel LED Double** is made to measure according to the customer's wishes, and we use proven and durable components for its production.

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STANDARD OF PRODUCTION

CRYSTAL PANEL LED Double



01 / PRODUCTION STANDARD INCLUDES

1. Max. Size:

- a. 1200x800 mm

2. PMMA thickness:

- a. PMMA GS: 6 mm
- b. PMMA XT: 1.8 mm

3. Plexiglas engraving pattern: dots

4. LED strips - flexible:

a. About the power supply / output power:

- 12V: 17W/running meter LED strip
- 24V: 21W/running meter LED strip
- RGB 12V: 28.8W/running meter LED strip
- RGB 24V: 28.8W/running meter LED strip

b. Standard colour temperature of white light: 3000K, 4000K, 5000K, 6500K

c. Coloured light can be used as standard: RGB

d. On request: we can make strips with other parameters of output power and colour temperature.

e. There is no technical possibility of using LED strips: RGBW and Multi White

5. 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. QUATTRO: strip installed along 4 edges - applies to white light only

6. 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.

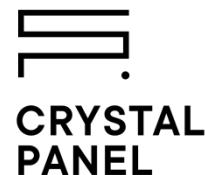
7. It is not allowed to cut additional supply wires or modify the power supply system in any way without the authorisation of the manufacturer.

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STANDARD OF PRODUCTION

CRYSTAL PANEL LED Double



8. Installation of the power cord

- a. Cord outlet - one of the corners
- b. Cord length:
 - White light: 1500 mm (SMYp 2x0.35), cord colour - black
 - RGB: 1500 mm, cord colour - black, green, red, blue

9. Without socket Edges nomenclature:

- a. Shorter dimension - vertical
- b. Longer dimension - horizontal

10. Dimensional and thickness tolerances:

- a. Panel area up to 0.5 m²: -1 mm from the nominal dimension
- b. Panel area over 0.5 m²: -2 mm from the nominal dimension
- c. Thickness: +/- 20% (manufacturing tolerance of PMMA sheets)

11. Edge shading:

- a. Approx. 18 mm from the external edge where the LED strip is installed
- b. Approx. 4 mm at the edge without the LED strip

12. Caution! Running the cable along the edge of the radiator is impossible for technical reasons.

02 / STANDARD WIRE LEAD DIAGRAMS

1. A closed circuit is used:

- a. With LED strip lengths above:
 - 12V: 1300 mm
 - 24V: 1500 mm
- b. In the DUO II panel solution
- c. In all QUATTRO panel solutions

2. Additional power supply is used:

- a. in solutions for UNO panels at LED strip lengths of more than 1300 mm (12V) and 1500 mm (24V)
- b. in DUO solutions with LED strip lengths of more than 1300 mm (12V) and 1500 mm (24V)
- c. in the QUATTRO II panel solution

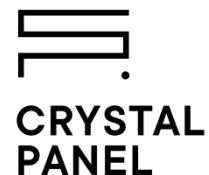
Orders are processed according to the above-described standard and the schemes shown below, unless the customer agrees individually on the parameters of the ordered product.

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STANDARD OF PRODUCTION

CRYSTAL PANEL LED Double

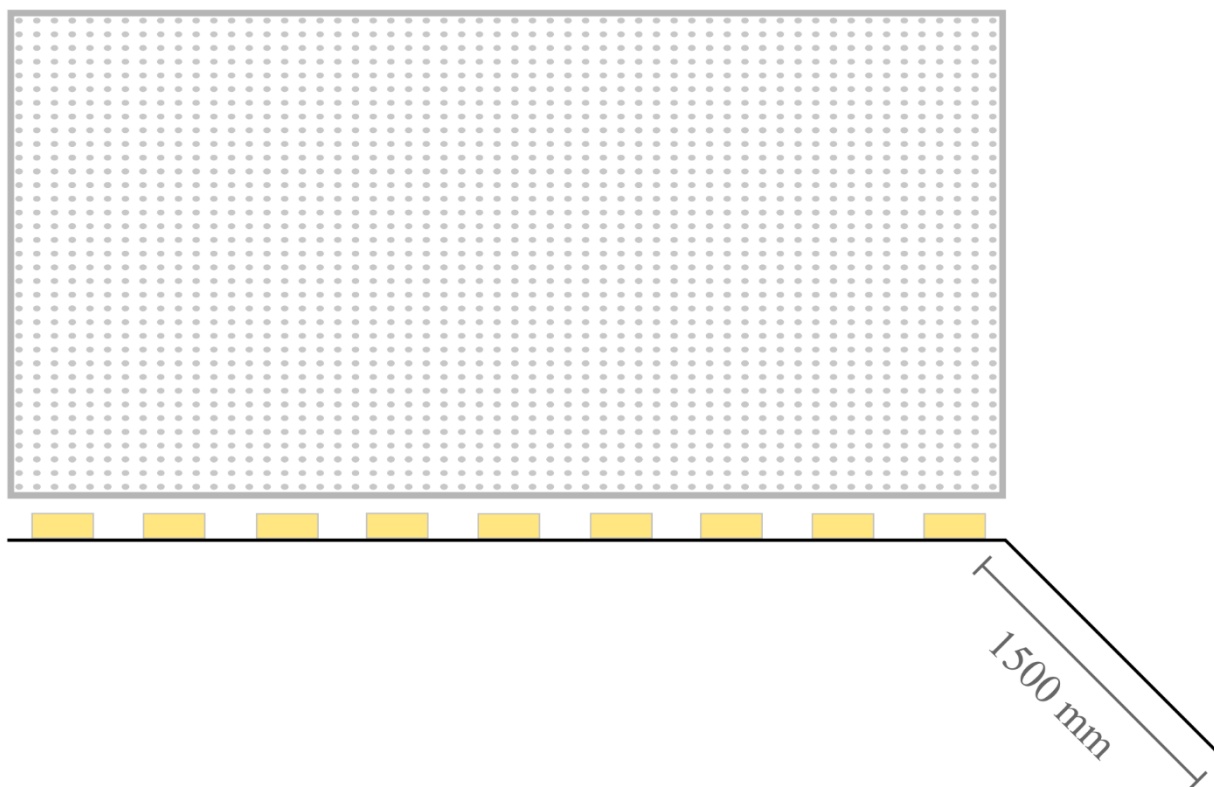


3. UNO:

a. UNO I

- A power scheme is used when the length of the LED strip does not exceed
 - 12V: 1300 mm
 - 24V: 1500 mm
- Power cord length: 1500 mm

UNO I



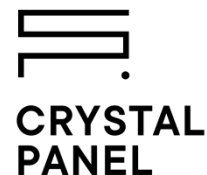
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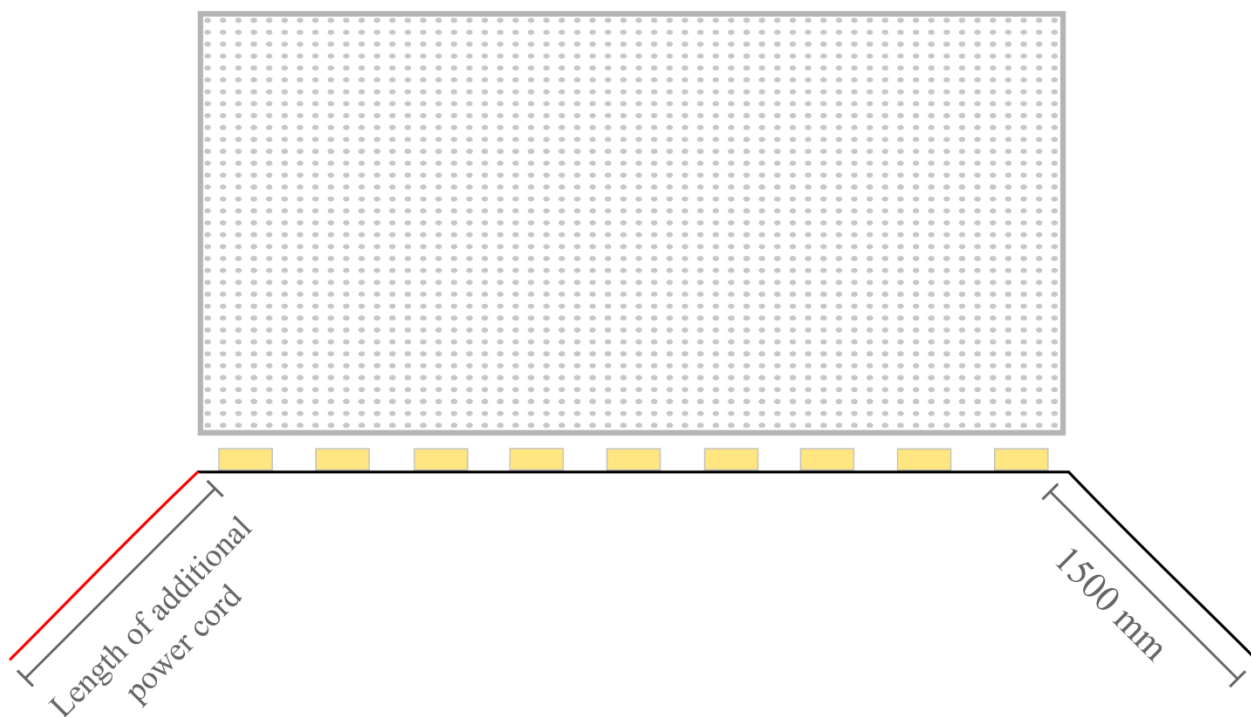
CRYSTAL PANEL LED Double



b. UNO II

- The power scheme is used when the length of the LED strip exceeds:
 - 12V: 1300 mm
 - 24V: 1500 mm
- An additional power supply is used
- Power cord length: 1500 mm
- Length of additional power cord: edge length with LED strip+1500 mm

UNO II



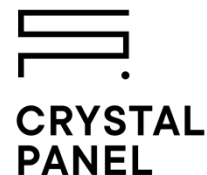
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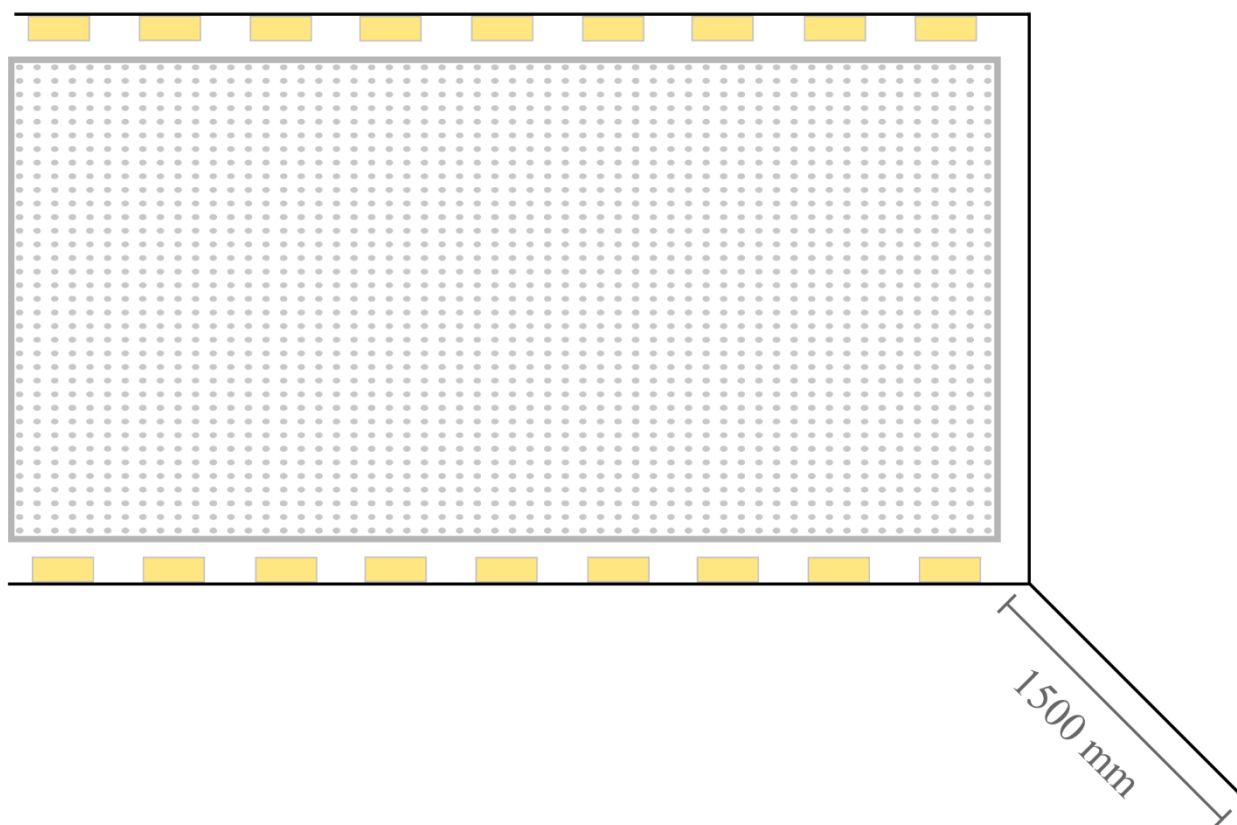


4. DUO:

a. DUO I

- The power scheme is used when the length of the LED strip exceeds:
 - 12V: 1300 mm
 - 24V: 1500 mm
- Power cord length: 1500 mm

DUO I

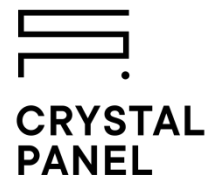


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STANDARD OF PRODUCTION

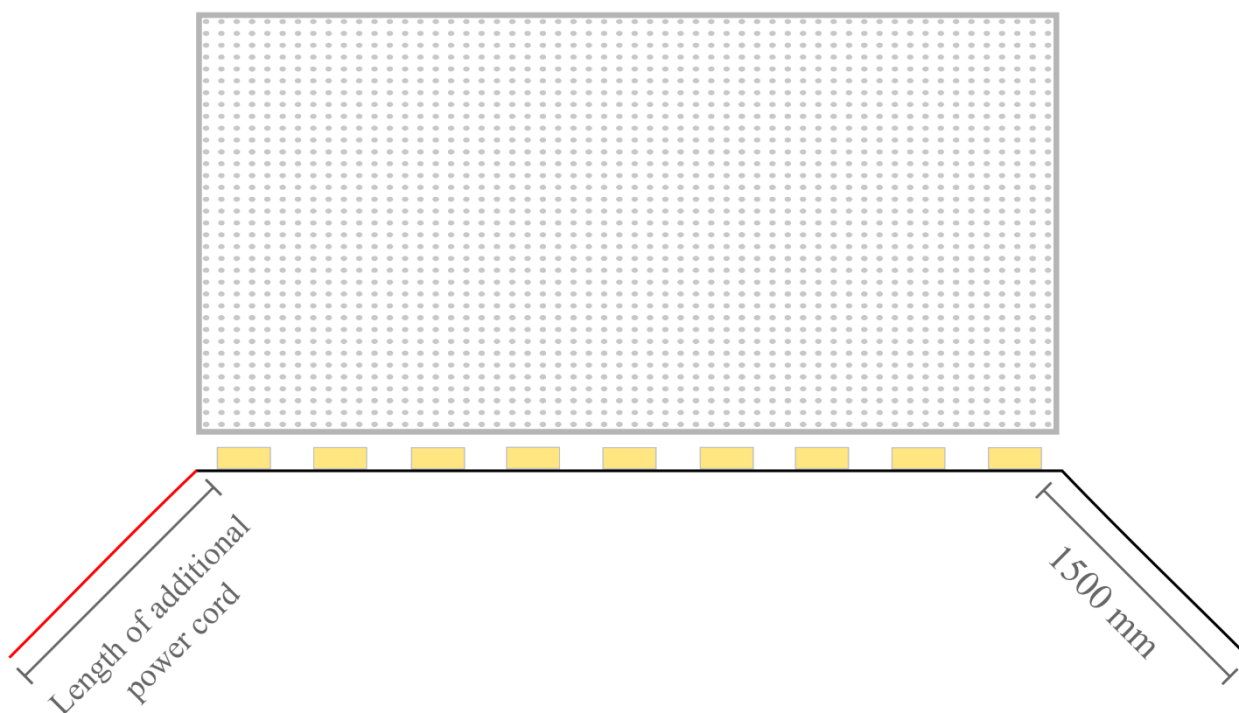
CRYSTAL PANEL LED Double



b. DUO II

- The power scheme is used when the length of the LED strip exceeds:
 - 12V: 1300 mm
 - 24V: 1500 mm
- Closed circuit
- An additional power supply is used
- Power cord length: 1500 mm
- Length of additional supply cable: edge length with LED strip + 1500 mm

UNO II



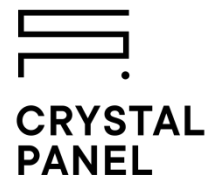
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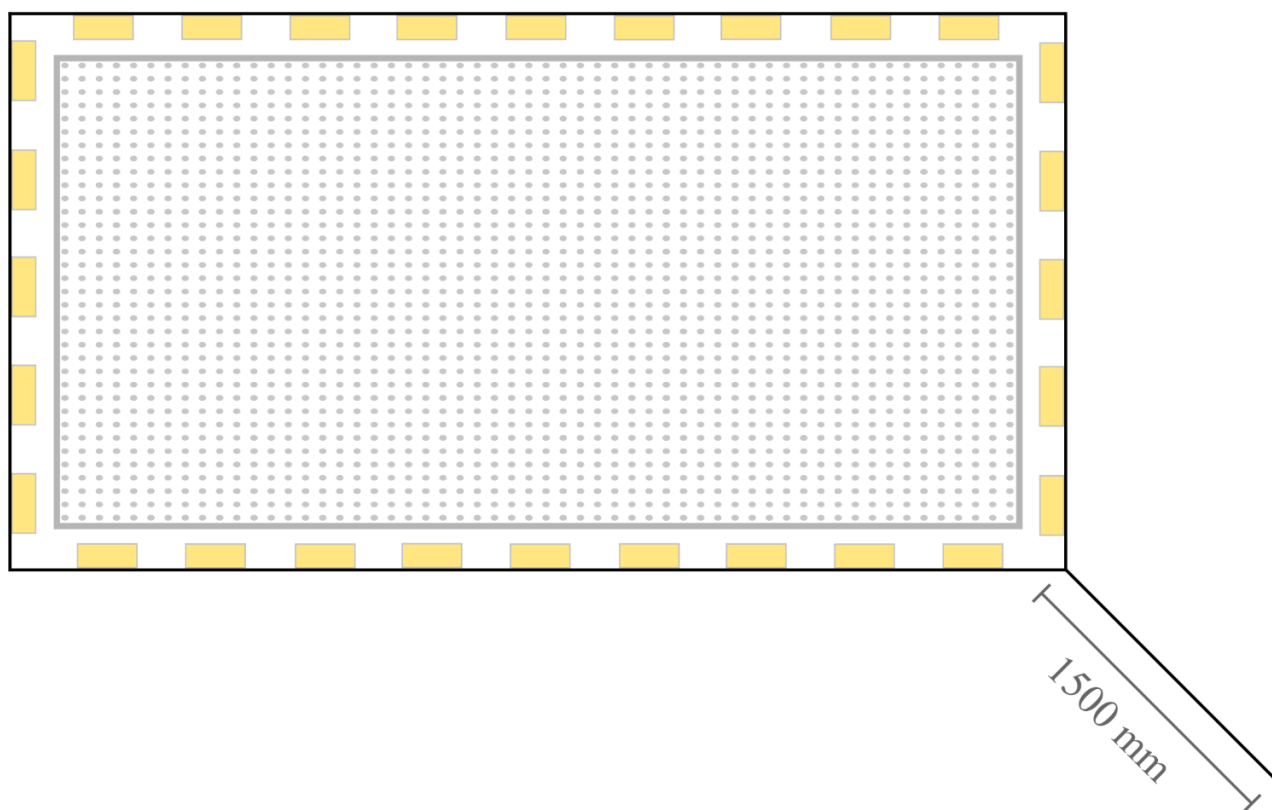


5. QUATTRO:

a. QUATTRO I

- The power scheme can be used when the length of the LED strip along the perimeter does not exceed
 - 12V: 2600 mm
 - 24V: 3000 mm
- Closed circuit
- Power cord length: 1500 mm

QUATTRO I



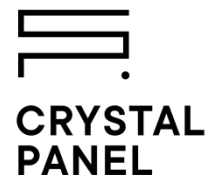
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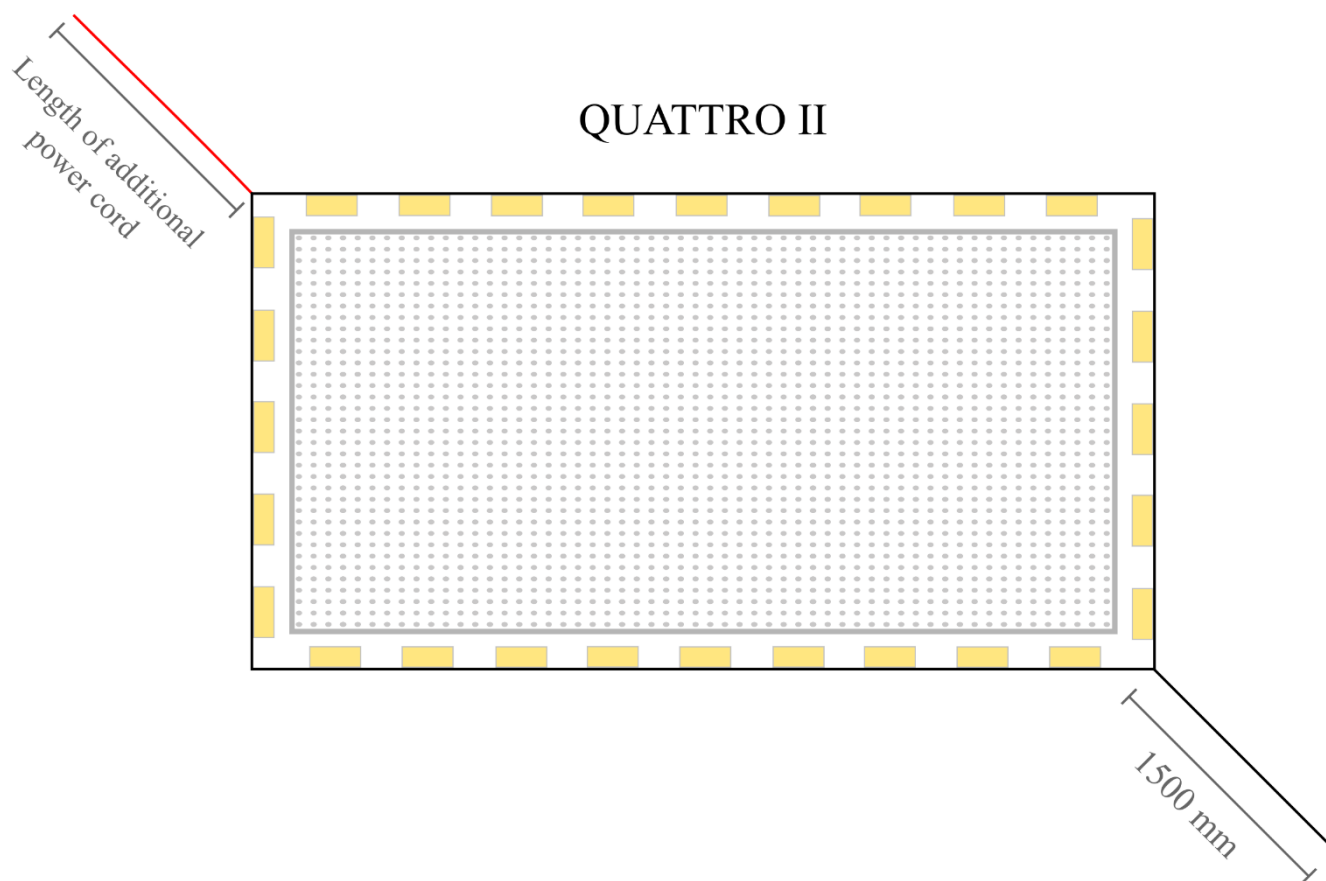
STANDARD OF PRODUCTION

CRYSTAL PANEL LED Double



b. QUATTRO II

- The power scheme can be used when the length of the LED strip along the perimeter does not exceed:
 - 12V: 2600 mm
 - 24V: 3000 mm
- Closed circuit
- An additional power supply is used
- Power cord length: 1500 mm
- Length of additional power cord: edge length A + edge length B + 1500 mm



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