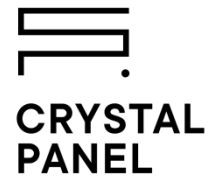


STANDARD OF PRODUCTION **CRYSTAL PANEL LED RGB**



Crystal Panel LED RGB is an illumination element made of engraved PMMA plexiglass with an integrated RGB LED lighting system. It's designed, among other things, for advertising backlighting and mounting in frames and furniture. It is characterized by even light dispersion, low energy consumption, and long life.

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
export@crystal-panel.com / Tel.: +48 61 622 94 64 / www.crystal-panel.com



STANDARD OF PRODUCTION

CRYSTAL PANEL LED RGB



01 / STANDARD OF PRODUCTION INCLUDES

1. PMMA thickness:

- a. Standard: 6 mm
- b. Other: 8 mm - available upon the customer's request

2. The pattern of the engraving on Plexiglas - dots

3. LED strips - flexible:

a. Of the power supply / output power:

- 12V: 17W/running meter
- 24V: 21W/running meter

b. Standard colour of light: RGB

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

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 4x0,35), color – black, red, green, blue
- c. There is no possibility of implementing a socket

8. Edges nomenclature:

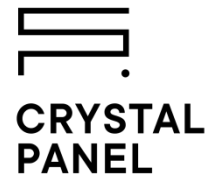
- a. Shorter dimension - vertical
- b. Longer dimension – horizontal

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STANDARD OF PRODUCTION

CRYSTAL PANEL LED RGB



9. Dimensions and thickness tolerance:

- 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)

10. Edge shading:

- a. 8 - 12 mm from the external edge where the LED strip is installed
- b. 6 - 8 mm on the edge with cord
 - Other solutions are possible depending on the agreed conditions - to be determined with the Consultant.
- c. 10-15 mm from external edges with LED strip and cord (DUO III)

11. The type of reflective material depends on the panel's overall dimensions and the kind of backlit graphics media:

- a. Standard reflective material: HIPS

02 / STANDARD WIRING DIAGRAMS

1. We use a closed circuit:

- a. When the length of the LED strip exceeds:
 - 12V: 1300 mm
 - 24V: 1500 mm
- b. In the solutions for the panels DUO II and DUO III

2. We use an additional power cord:

- 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)

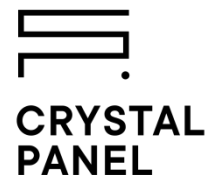
Orders are processed according to the above-described standard and the schemes shown below, unless the customer agrees individually on the parameters of the ordered product.

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STANDARD OF PRODUCTION

CRYSTAL PANEL LED RGB

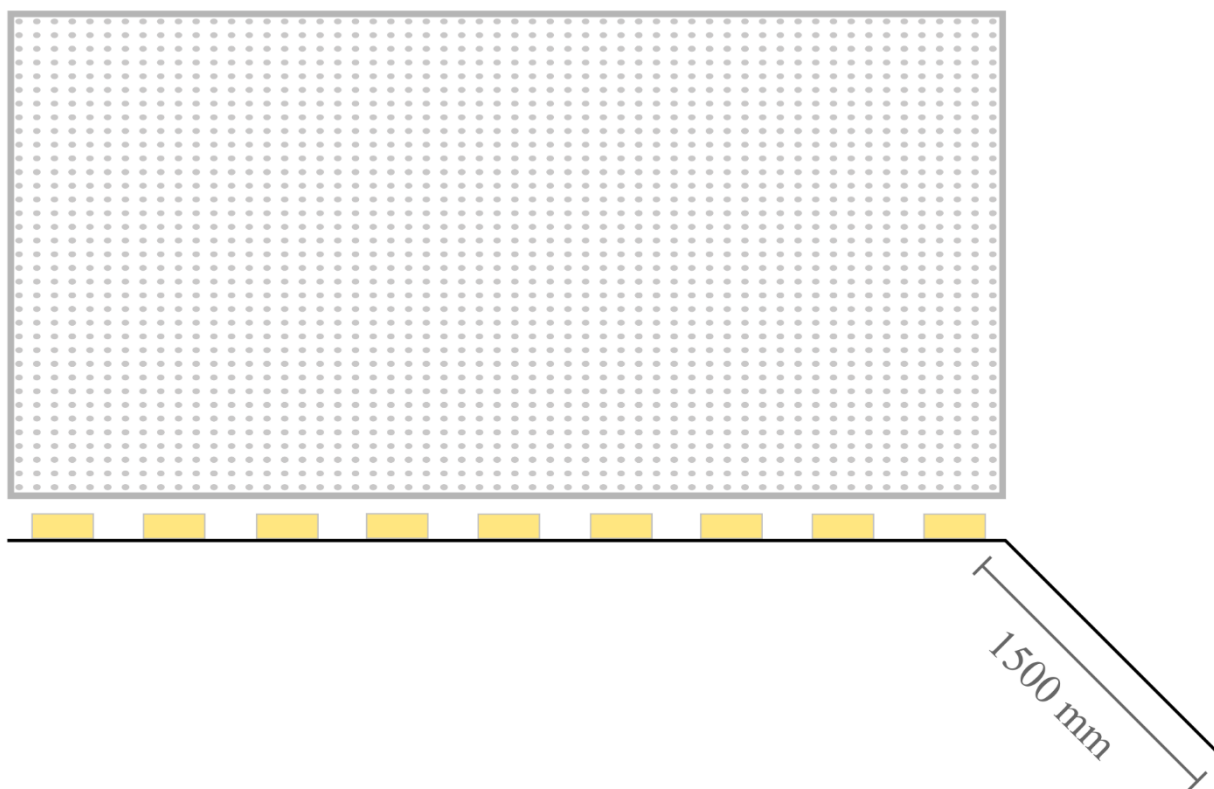


1. UNO:

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



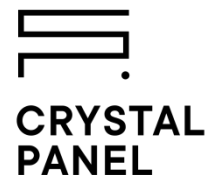
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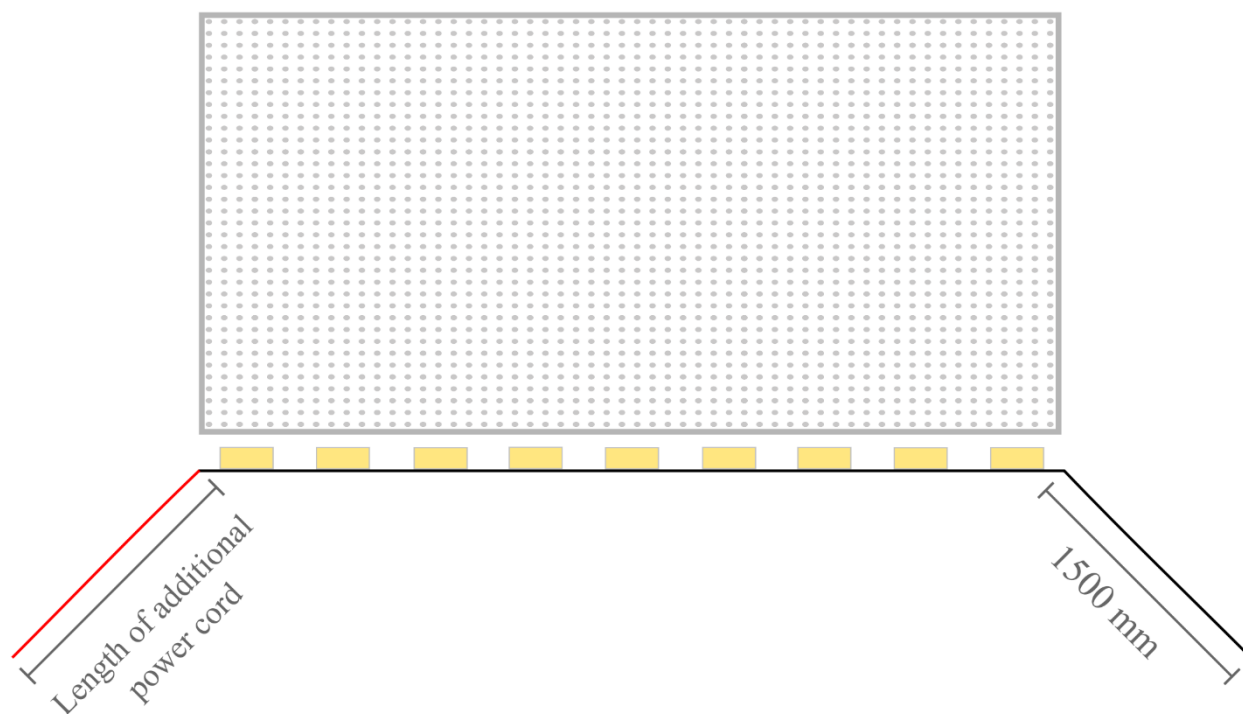
CRYSTAL PANEL LED RGB



b. UNO II

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

UNO II



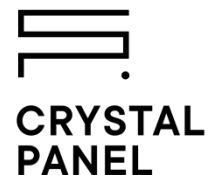
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CRYSTAL PANEL LED RGB

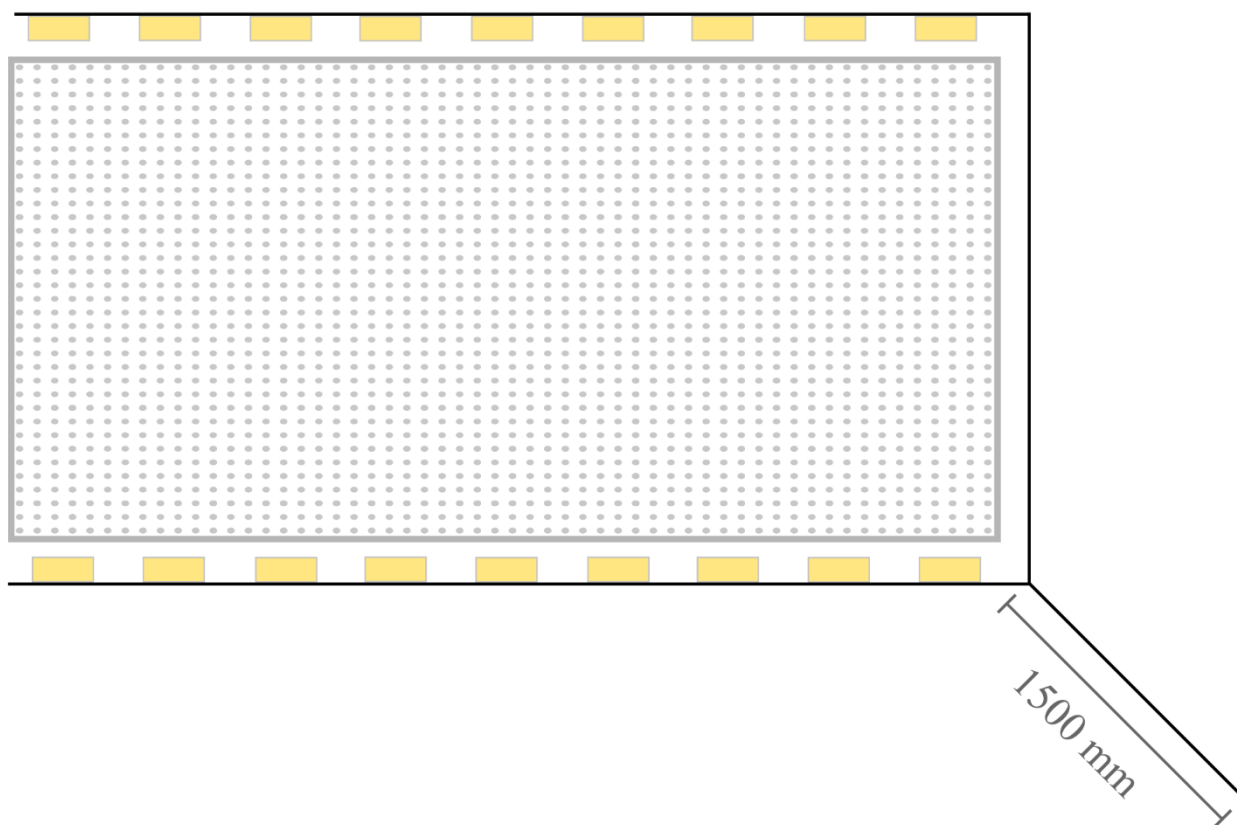


2. DUO:

a. DUO 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

DUO I



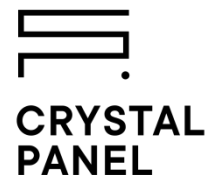
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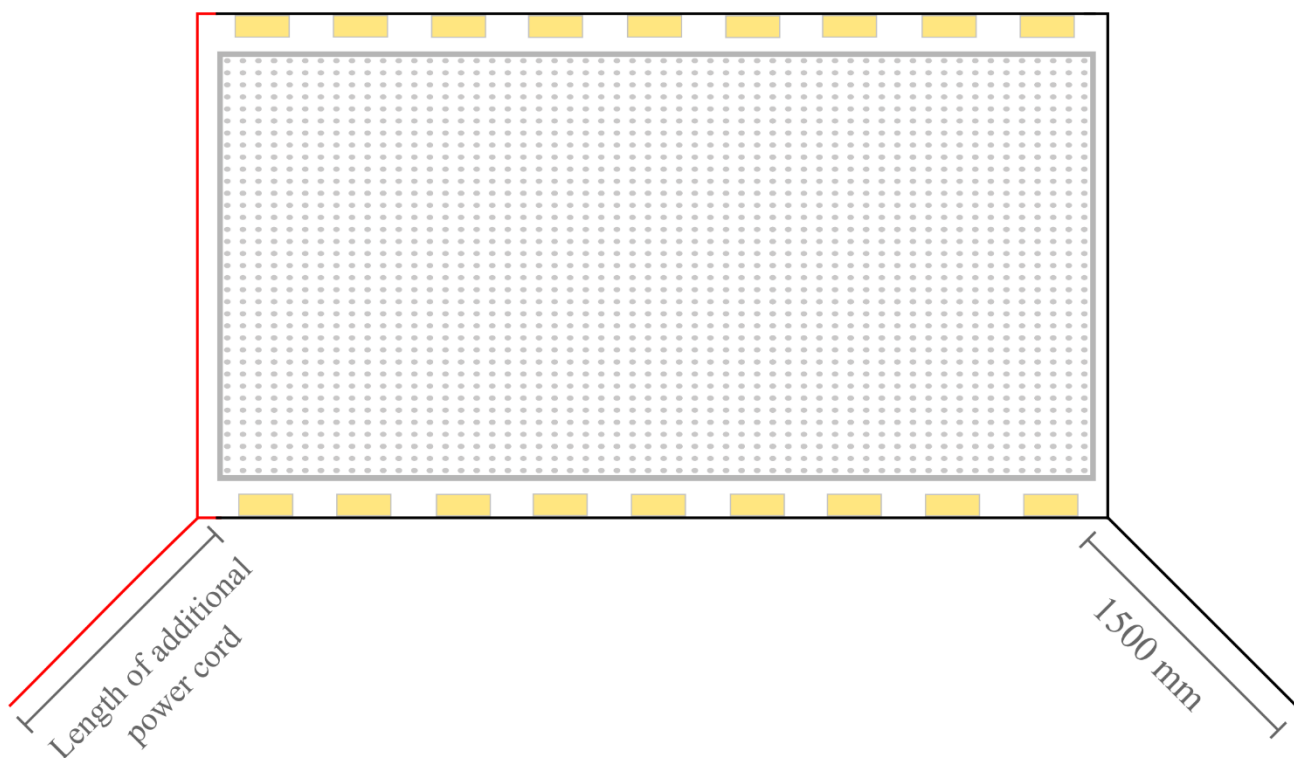
CRYSTAL PANEL LED RGB



b. DUO II

- The power scheme is used when the length of the LED strip exceeds:
 - 12V: 1300 mm
 - 24V: 1800 mm
- 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



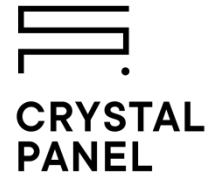
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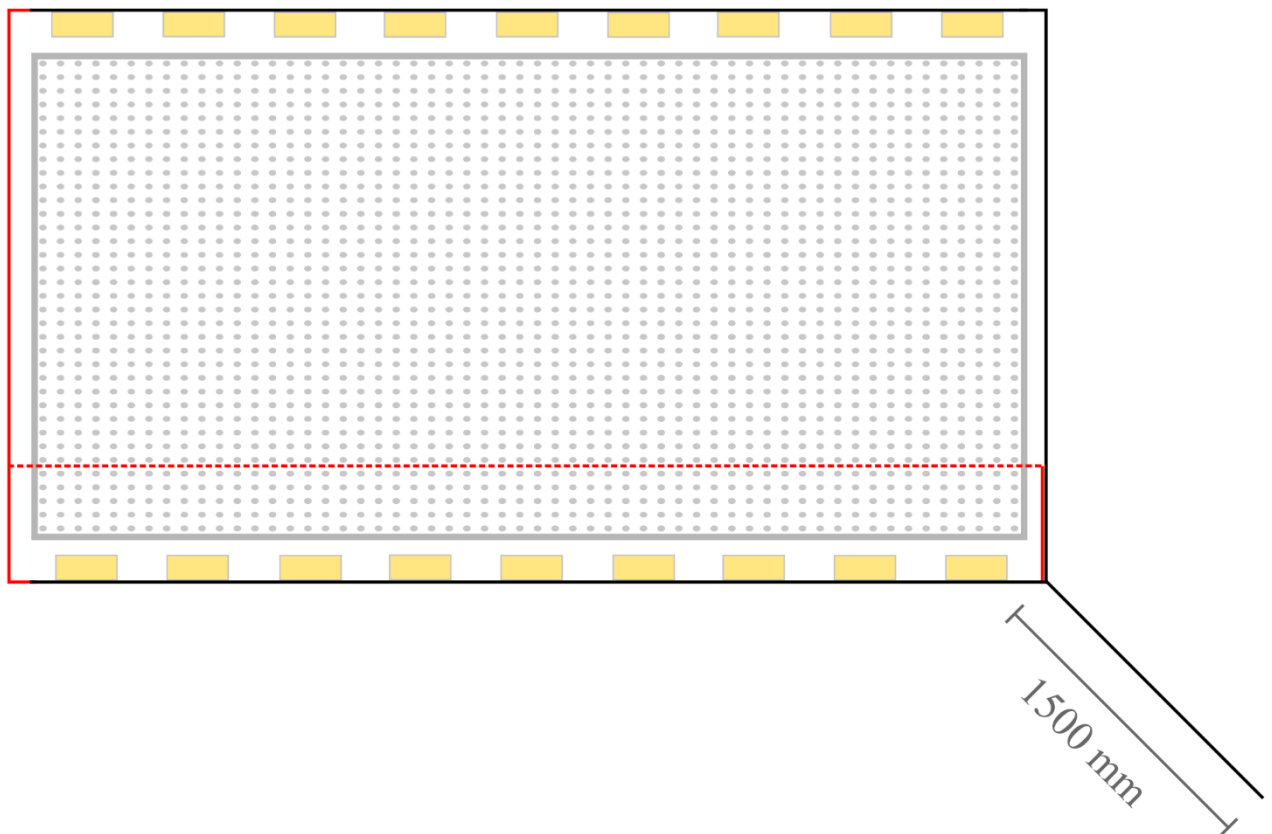
CRYSTAL PANEL LED RGB



c. DUO III

- The power scheme is used when the length of the LED strip exceeds:
 - 12V: 1300 mm
 - 24V: 1500 mm
- Closed circuit
- Power cord length: 1500 mm
- The cord increases the thickness of the CPL by 3 mm

DUO III



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