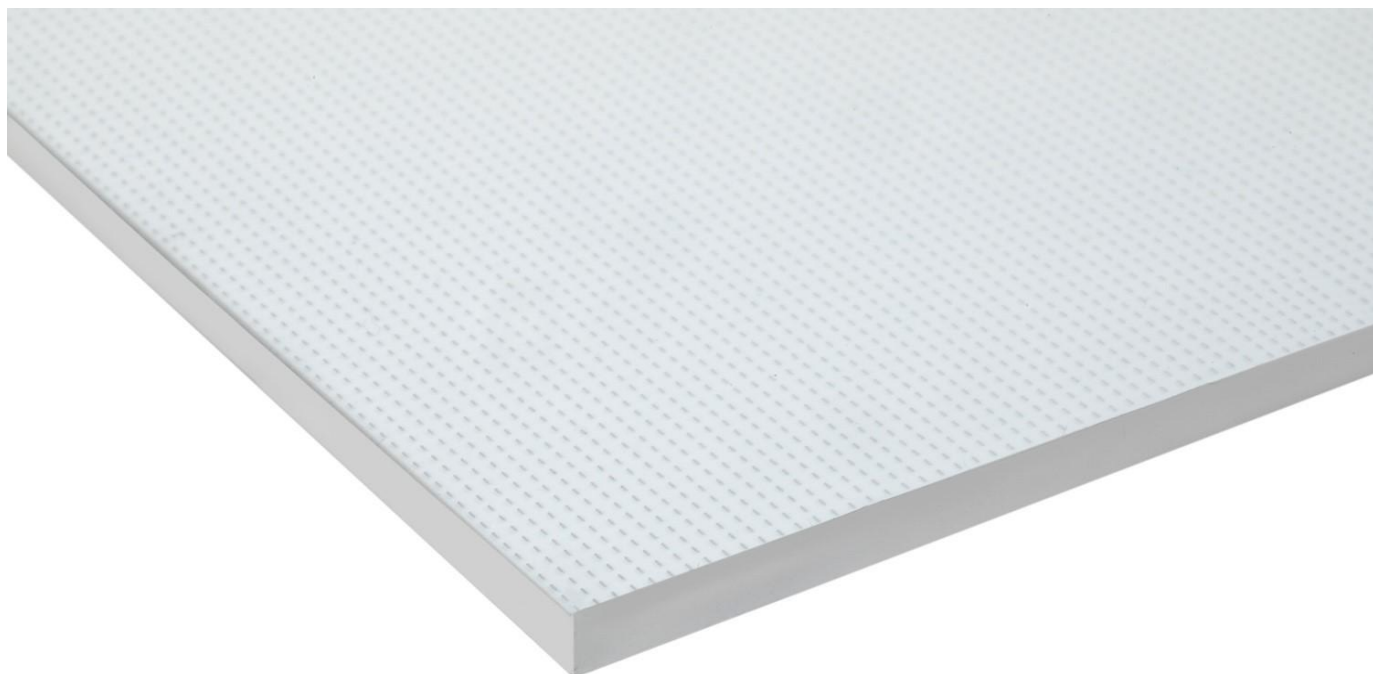# STANDARD OF REALIZATION
CRYSTAL PANEL LED (CPL)

Crystal Panel LED is a flat 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 is 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 during the production process

STANDARD REALIZATION
CRYSTAL PANEL LED (CPL)

STANDARD REALIZATION INCLUDES:

1. PMMA thickness – 4 mm and 6 mm
2. The pattern of the engraving on Plexiglas - dots
3. LED strips - flexible, power output of 17 W/rm, standard colour temperature of white light – 3000 K, 4000 K, 5000 K, 6500 K, 7000 K, 10 000 K
4. Illumination range:
   a. UNO – LED strip installed along 1 longer edge
   b. DUO – LED strip installed along 2 longer edges
   c. QUATTRO – LED strip along 4 edges
5. Installation of the power cord:
   a. cord outlet - bottom right corner
   b. cord length 1.5 m (2x0.35), cord colour - black
   c. without any plug
6. Edge naming routine:
   a. Shorter dimension - vertical
   b. Longer dimension – horizontal
7. Edge shading:
   a. 8 - 10 mm on the edge with LED,
   b. 6 – 8 mm on the edges with a cord. Other available solutions depend on the installation conditions and are the subject of further agreement with our Consultant
   c. 11 mm on the edges with LED & cord.
   Attention! Running the cord along the edge of panel forces its decrease by 3 mm
8. The type of reflective material depends on panel overall dimensions and kind of backlit graphics media – we normally use reflective PVC foil or high impact polystyrene (HIPS).
   For panels exceeding any of following dimensions 1000 x 500 mm HIPS is used as a standard.
9. Supply voltage: 12 V
10. Standard power cord running options:
    a. Closed circuit as regards LED strip length exceeding 1300 mm in UNO panels (only in Option 2) and in case of any solution for DUO panel
    b. Additional power supply:
       UNO – with LED strip length exceeding 1300 mm
       DUO – with LED strip length exceeding 1500 mm
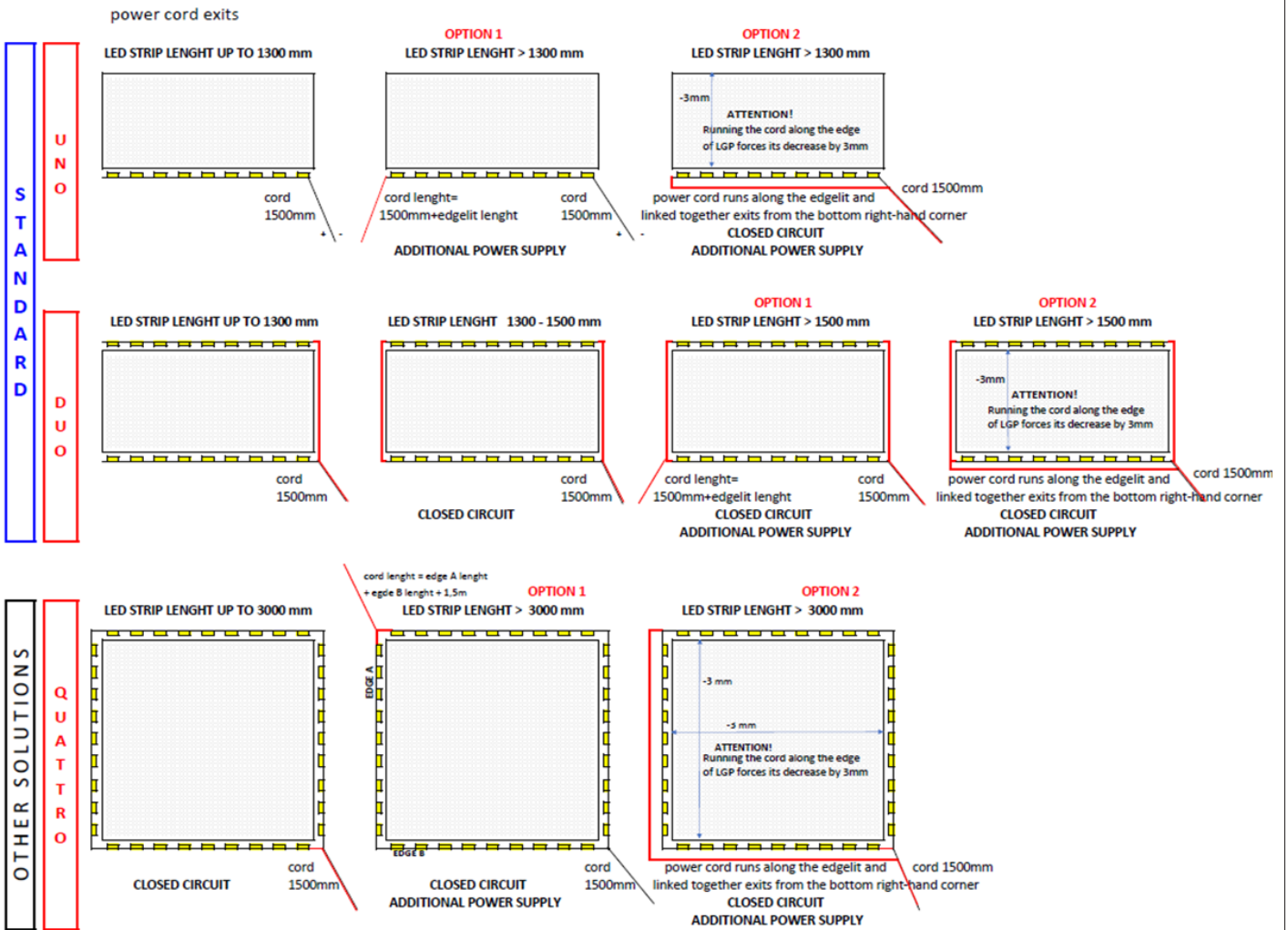
CP-SW-CPLS/02/2021

STANDARD REALIZATION
CRYSTAL PANEL LED (CPL)

CRYSTAL PANEL

POWER CORD RUNNING OPTIONS

power cord exits

STANDARD

UNO

LED STRIP LENGHT UP TO 1300 mm
cord 1500mm

OPTION 1
LED STRIP LENGHT > 1300 mm
cord lenght= 1500mm+edgelit lenght
cord 1500mm
ADDITIONAL POWER SUPPLY

OPTION 2
LED STRIP LENGHT > 1300 mm
-3mm
ATTENTION!
Running the cord along the edge of LGP forces its decrease by 3mm
power cord runs along the edgelit and linked together exits from the bottom right-hand corner
cord 1500mm
CLOSED CIRCUIT
ADDITIONAL POWER SUPPLY

DUO

LED STRIP LENGHT UP TO 1300 mm
cord 1500mm

LED STRIP LENGHT 1300 - 1500 mm
cord 1500mm
CLOSED CIRCUIT

OPTION 1
LED STRIP LENGHT > 1500 mm
cord lenght= 1500mm+edgelit lenght
cord 1500mm
CLOSED CIRCUIT
ADDITIONAL POWER SUPPLY

OPTION 2
LED STRIP LENGHT > 1500 mm
-3mm
ATTENTION!
Running the cord along the edge of LGP forces its decrease by 3mm
power cord runs along the edgelit and linked together exits from the bottom right-hand corner
cord 1500mm
CLOSED CIRCUIT
ADDITIONAL POWER SUPPLY

OTHER SOLUTIONS

QUATTRO

LED STRIP LENGHT UP TO 3000 mm
cord 1500mm
CLOSED CIRCUIT

cord lenght = edge A lenght + egde B lenght + 1,5m
OPTION 1
LED STRIP LENGHT > 3000 mm
EDGE A
EDGE B
cord 1500mm
CLOSED CIRCUIT
ADDITIONAL POWER SUPPLY

OPTION 2
LED STRIP LENGHT > 3000 mm
-3 mm
-5 mm
ATTENTION!
Running the cord along the edge of LGP forces its decrease by 3mm
power cord runs along the edgelit and linked together exits from the bottom right-hand corner
cord 1500mm
CLOSED CIRCUIT
ADDITIONAL POWER SUPPLY