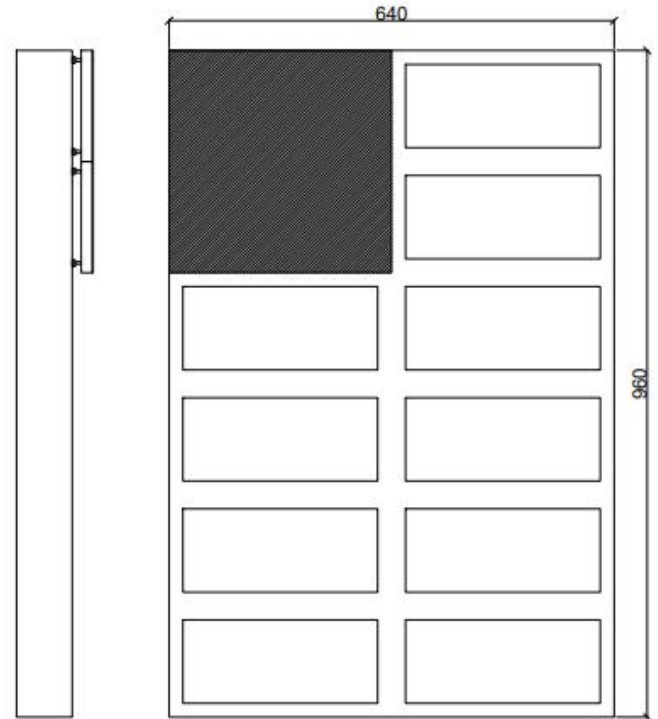


BTOM-LC-4PO

LED Display Light Everywhere

Product features :

- ❖ 320X160mm universal size
- ❖ Bottom case texture design, enhanced exterior texture
- ❖ High protection class LED lamp
- ❖ New design of PCB board is more reliable
- ❖ Waterproof and moisture-proof treatment with gluing on the front side
- ❖ High Brightness, High Heat Dissipation
- ❖ High refresh, High grayscale
- ❖ Excellent visual experience
- ❖ Good Compatibility
 - Replace the outdoor P2.5~P8 module with the same series.
- ❖ Supports 45° tangent angle*
- ❖ Special environments such as coastal, low temperature, humidity, etc. require customized selection of appropriate



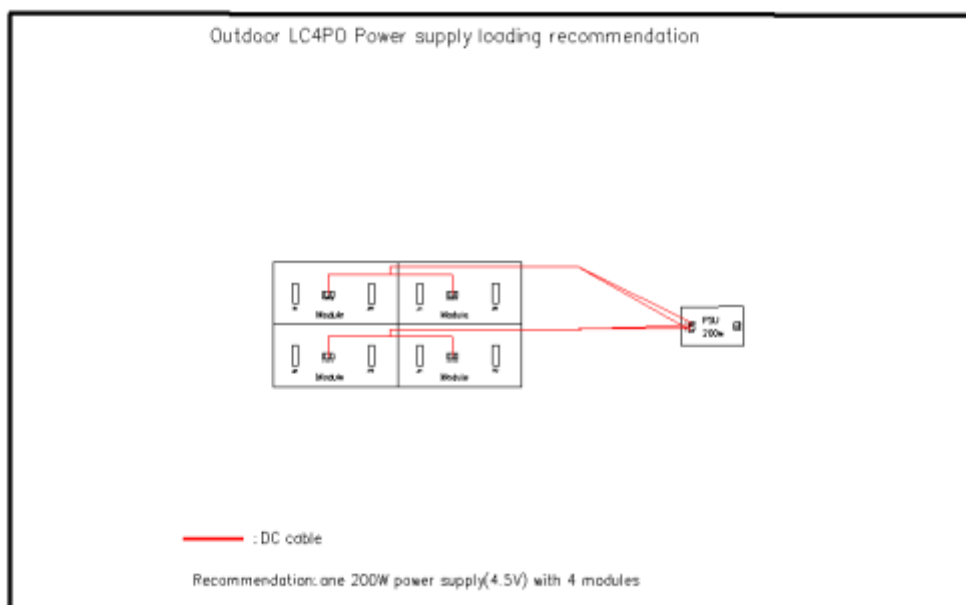
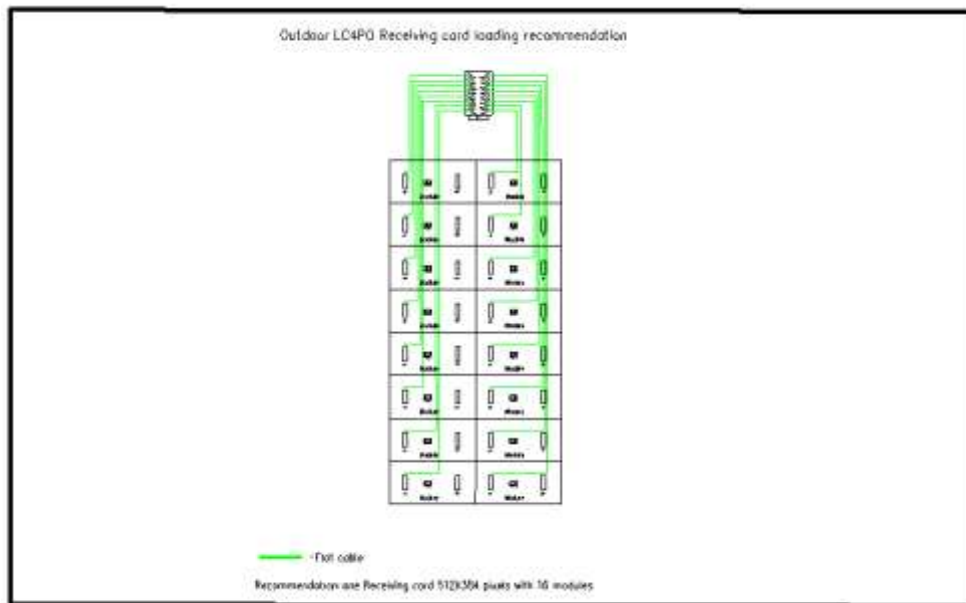
Products*



Cabinet Back Side



Note: Drawings are for reference only.



Remark:

1. The recommended diagrams are for reference only.
2. The recommended cabinet size is 640X960 mm.

| | Parameter | Value |
|-------------|-----------------------------------|---|
| Module | Pixel Pitch | 4mm |
| | LED Type | SMD1921 |
| | Module Resolution (W×H) | 80X40=3200 Pixels |
| | Pixel density (pixels/sq.m.) | 62500 dot/m ² |
| | Module Size (W×H×D) | W320mm×H160mm×D18.4mm |
| | Module Weight | 0.49±0.02kg |
| | HUB | HUB75 |
| Optical | Single-dot Brightness Calibration | Support |
| | Brightness | 5000~5500 cd/m ² |
| | Color Temperature | 6500K (1000K ~ 9500K Adjustable) |
| | Beam Angle (Hor/Ver°) | 140°/140° |
| | Brightness/Color Uniformity | ≥98% |
| | Contrast Ratio | 5000:1 |
| Electronic | Input Power <Max> | 879 W/m ² |
| | Input Power <Typical> | 293 W/m ² |
| | Power Supply Input Voltage | AC90 ~ 132V/ AC186 ~ 264V, Frequency 47-63 (Hz) |
| Performance | Frame Changing Frequency | 60Hz |
| | Refresh Rate | 3840Hz |
| | Processing Depth | 12~14Bit |
| | Video Support | 2K HD, 4K UHD |
| Environme | Life Span (hrs) | 100000hrs |
| | Working Temp/Humidity (°C/RH) | -20°C~50°C / 10%~80%RH (No Condensation) |
| | Storage Temp/Humidity (°C/RH) | -20°C~55°C / 10%~85%RH (No Condensation) |
| | Certification | BIS/CE/CB/ROHS/EAC |

Note:

- 1.Product pictures are for illustration only, the actual product effects (including but not limited to appearance, color, size) may be slightly different, please refer to the actual product.
- 2.The specification parameters are reference values. Part of the data comes from Unilumin's internal laboratory and is obtained under a specific test environment. In actual use, it may be slightly different due to product batch differences, configuration differences, software versions, use conditions and environmental factors. Actual usage shall prevail.
3. Different configurations can achieve different refresh rates.

ENVIRONMENTAL PRECAUTIONS:

❖ **Temperature range:** Working temperature control at -20-50°C;

Storage temperature control at -20-55°C;

❖ **Humidity range:** Working humidity control at 10%-80%RH;

Storage humidity control at 10%-85%RH;

❖ **Anti-electromagnetic radiation:** The display should not be placed in the electromagnetic radiation interference in the environment, easy to cause the screen display abnormalities, affecting the display effect;

❖ **Anti-static:** Power supply, cabinet, screen metal shell need to be well grounded, ground resistance $< 10\Omega$, avoid static damage to electronics;

❖ **Protect against corrosive gases:** Corrosive gases contain salt or acid gases in the air, which can cause corrosion of electronic components, crystallization leakage and other phenomena;

❖ **Anti-rodent and pest control:** Rodents and insects chew on the wire, which can cause damage to the wire, rodent and insect excreta have a certain degree of corrosiveness to electronic devices, excessive corrosion is prone to cause damage to electronic components.

PRECAUTIONS FOR USE AND OPERATION:

- ❖ Electrostatic protection : Installers need to wear electrostatic rings and electrostatic gloves, and each tool in the assembly needs to be strictly grounded;
- ❖ Connect the lines: The module has positive and negative silkscreen markings, cannot be reversed, and is strictly prohibited from connecting to 220V AC power;
- ❖ Method of operation : It is strictly prohibited to assemble modules, cabinets, and complete screens under energized conditions. It needs to be operated under complete power failure to protect personal safety; It is forbidden for personnel to touch the display when it is lit, so as to avoid the static electricity generated by human body friction to break through the LED and components;
- ❖ Disassembly and transportation: The modules shall not be dropped, pushed, squeezed or crushed, prevent the module from falling and bumping, so as to avoid rupture of the kit, damage to the lamp beads and other problems; Especially indoor/outdoor small-pitch products should not be violently disassembled and handled;
- ❖ Environment check: The display site needs to be configured with a temperature and humidity meter to monitor the environment around the screen, in order to find out in time whether the display has moisture, water vapor and other problems; The mounting position should not be close and directly in front of air conditioning vents and heaters and other appliances that have a significant effect on temperature;
- ❖ Environment of use: It is strictly prohibited to install the indoor module magnet in an outdoor or sub outdoor environment; Non-customized outdoor conventional products are prohibited from being installed near seashores and high salt, acid, and alkaline sites;
- ❖ Reserve craft seams: When installing outdoor products, the process seam between module and module & between box and box should be reserved to avoid various display problems caused by thermal expansion and contraction of products;

- ❖ Installation torque control: M4 screw torque 6.0-8.0 Kgf.cm, M3 screw torque 4.0-6.0 Kgf.cm;
- ❖ Playback control: Please do not display only static screen or static text for a long period of time, which will cause serious attenuation of lamp brightness or lead to batch dead lamp problem, scrolling screen or text need to be played;
- ❖ Avoid construction on the installed LED display screen : LED display installation is strictly prohibited after re-construction to prevent the LED display by the impact of high current and dust, such as: welding, chainsaw and other equipment operation;
- ❖ Use of the display:
 - a. The ambient humidity in the range of 10%-65% RH, it is recommended that the screen should be opened once a day, each normal use of more than 4 hours to remove moisture from the display; day, each normal use of more than 4 hours to remove moisture from the display;
 - b. When the ambient humidity is above 65%RH, it is necessary to dehumidify the environment and it is recommended to use it normally for more than 8 hours a day and close the doors and windows to prevent the display from being damp and causing defects;
 - c. When the display is not in use for a long time, the display needs to be preheated and dehumidified before use to avoid moisture caused by bad lamps, the specific way: 20% of the brightness is lit for 2 hours, 40% of the brightness is lit for 2 hours, 60% of the brightness is lit for 2 hours, 80% of the brightness is lit for 2 hours, and 100 brightness is lit for 2 hours, and so the brightness of the gradual increase in aging.

PRODUCT PACKAGING DESCRIPTION:

- ❖ **Package content:** 1 pack of 40
- ❖ **Package size:** L655*W365*H395mm
- ❖ **Packaging appearance:** Refer to the following figure