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REV.

-

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2024.04.07

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Product Pre-Spec

BYB100Pro

Rev. 1

BOE MLED Technology Co., Ltd.

## 1. Product Features

- 1) The panel is silver in color, fashionable and beautiful, with good texture, a sense of luxury, and strong lines.
- 2) Aluminum body, efficient heat dissipation, stable running.
- 3) Lightweight design,  $\leq 25\text{KG/m}^2$ , easy to handle, low transportation and installation costs, saving steel structures.
- 4) Good protective performance. The protection level is IP66, which can prevent rainstorm, typhoon and salt fog.
- 5) Dual voltage drive, a new benchmark for outdoor energy-saving, saving more than 30% energy compared to traditional products.
- 6) No need for air conditioning, saving equipment costs and electricity bills.
- 7) It can be installed without any other protection, beautiful and convenient.
- 8) Between panels are connected by professional connectors, flexible and convenient installation and maintenance, front and rear installation and maintenance.
- 9) Multiple panel sizes available, including 960x960、480x960、960x640、480x640, and more.
- 10) It can achieve various irregular shapes such as curve screen、glasses-free 3D and seamless right angle splicing.

## 2. Product Image



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3. Main Technical Parameters

Parameter		Value
Physical Parameters	LED Type	SMD2727
	Pixel Pitch (mm)	10
	Panel Dimensions (WxHxD)/(mm)	960×960×75
	Pixel Per Panel	96×96
	Weight (kg/m²)	25
	Panel Material	Aluminum
	Module Dimensions (WxH)/(mm)	160×960
Photoelectric Parameters	Brightness (nit)	10000
	Refresh Rate (Hz)	≥3840
	Gray scale (bit)	16
	Contrast Ratio	22000:1
	Color Temperature (K)	2000~9500
	Viewing Angle (H/V) (°)	160/140
	AC Operating Voltage (V)	220~240V @ 50/60Hz
	Power Consumption (Max./Avg.)(W/m²)	550/180
Application Parameters	Storage Temperature (°C)	- 40~ + 60
	Operating Temperature (°C)	- 20~ + 60(-40°C Optional)
	Storage Humidity (RH)	10 % ~80 % (No Condensation)

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	Operating Humidity (RH)	10 % ~90 % (No Condensation)
	IP Rating (Front/Rear)	IP66/IP66
	LED Lifetime (H)	100000
	Module Maintenance	Front/Rear
	PSU & Others Maintenance	Front/Rear
	Panel Installation Type	Fixed
	Certificates	CB/CE/ETL/FCC/ROHS2.0/CCC

Remark:

- 1、 Power consumption and brightness tolerance: 315%, according to the actual situation.
- 2、 Parameters may be updated.