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SPEC. NUMBER

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Product Group

MLED

REV.

B

Release Date

2025.09.18

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# Product Specification

**BYH015V11**

**01A30F**

**Rev. B**

**Zhuhai BOE MLED Technology Co., Ltd.**

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## 1.0 Scope of application

This specification is suitable for indoor full-color point spacing P1.5 COB before maintenance box, the following is the general product parameters, if there is special requirements, can be customized according to customer requirements.

## 2.0 Product description

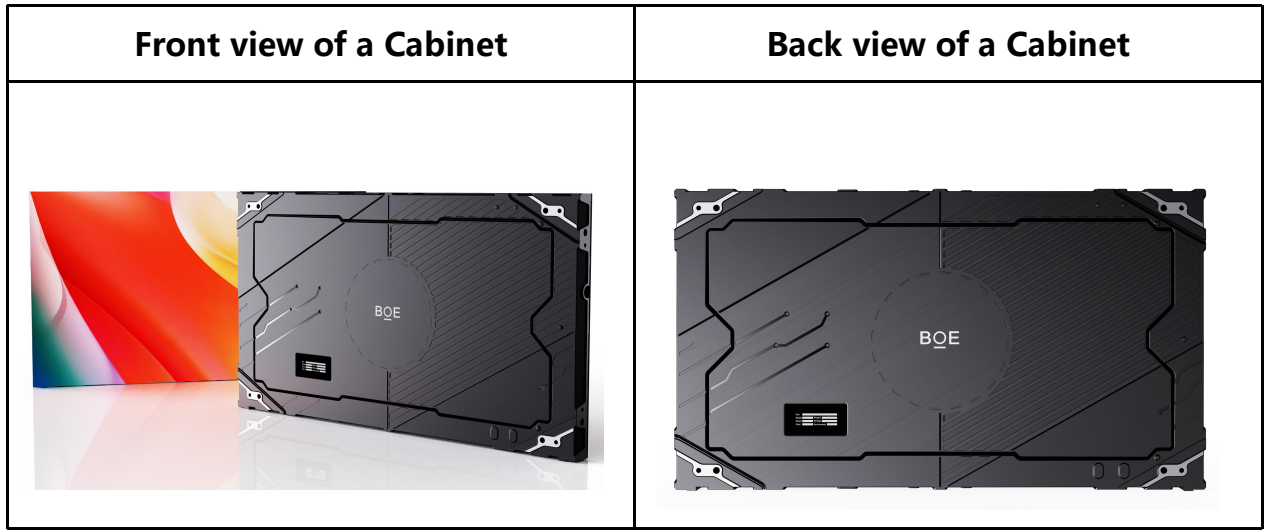
### 2.1 Product introduction

Full flip COB mini-LED technology solution, higher light efficiency, low flicker, to achieve a more environmentally friendly, healthier picture display effect, using the leading drive design and surface treatment scheme, can achieve lower power consumption and higher display contrast.

### 2.2 Product features

- 1) Display every pixel on the module unit module, using full flip R, G, B chip package, each chip is fixed on the substrate;
- 2) The display unit of the box body is a pre-maintenance magnetic suction structure, which is equipped with professional magnetic suction tools to complete installation and maintenance;
- 3) Modular structure design, simple connection, light weight, more convenient in installation and disassembly;
- 4) High contrast to achieve better display effect;
- 5) Low power consumption, energy saving and environmental protection;

### 2.3 Product pictures



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### 3.0 Product technical parameters

#### 3.1 mechanical parameters

	Item	Technical parameters	Remark
MDL	Pitch(mm)	1.5625	
	LED Type	COB 0306	
	Resolution	96*108	
	Size(mm*mm)	150*168.75	
	The surface hardness	2H	
	Protection grade	IP65	
Cabinet	Composition of MDL	1*1	
	Composition of Cabinet	4*2	
	Resolution	384*216	
	Size(mm*mm)	600*337.5	
	Pixel density(dot/m <sup>2</sup> )	409600	
	Thickness(mm)	32.7±1	
	Weight (kg)	3.7±0.5	
	Maintenance mode	Before	
	Material	ADC12	
Flatness(mm)	≤0.1		

#### 3.2 Electrical parameters

Item	Technical parameters	Remark
Average power consumption of a cabinet(W)	20	@600nit
Max power consumption of a cabinet(W)	60	@600nit
Average power consumption per square meter(W)	100	@600nit
Max power consumption per square meter(W)	300	@600nit
Power supply requirements(V)	AC 100-240	

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### 3.3 Optical parameters

Item	Technical parameters	Remark
Single point brightness correction	Support	
Single point chromaticity correction	Support	
Brightness(cd/m <sup>2</sup> )	Typ 600, 0~800Adjustable	
Color coordinates	Typ 0.284 0.294, Adjustable	
Color temperature(K)	Typ 9300, 2000 ~ 15000 Adjustable	
Color gamut	≥110% NTSC	
Horizontal Angle of view(°)	155±10	
vertical Angle of view(°)	155±10	
Colour cast(°)	170±10	Δu'v'≤0.02
Relative deviation of pixel center distance	≤3%	
Luminance uniformity	≥97%	
Chroma uniformity	Δu'v'≤0.005	
Ambient light contrast	≥8200:1	10 lux light environment
contrast	≥1,000,000:1	Darkroom L0

### 3.4 System parameters

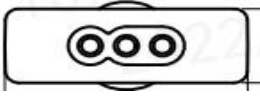
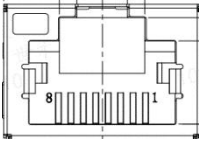
Item	Technical parameters	Remark
frame frequency(Hz)	60	
refresh rate(Hz)	≥3840	
Drive mode	PM Constant current drive	
Grayscale (bit)	13	

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### 3.5 Packing parameters

Item	Technical parameters	Remark
MDL-Packing Size(mm)	453×414×231	
Bracket module/box	48	
Bracket module/box weight	8.1kg	
MDL-BOX/Pallet	24	
MDL/Pallet weight	211.9kg	
MDL-Pallet Size(mm)	1320×980×1044	
Cabinet-Packing Size (mm)	690×360×450	
Cabinet/box	5	
Box/box weight	14.7kg	
Cabinet-box/Pallet	60	
Container - Number of Crates /Pallet weight	201.3kg	
Cabinet-Pallet Size(mm)	1160x1455x1020	

### 4.0 Product interfaces

Legend	Type	instructions
	The power interface	Supply power to the cabinet, maximum current 10 A
	Net gape	Transmit the video source signal

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### 5.0 Product plan structure drawing

