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REV.

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Release Date

2023.11.30

Page

1

Product Specification

BTX-FL018A

Rev. 1

BOE MLED Technology Co., Ltd.

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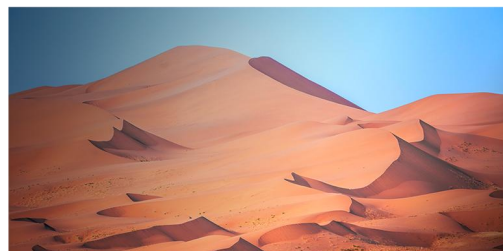
Page

2

1. Product Features

- ① Flexible PCB soft board, the bottom shell are made of superior silicone material, bending angle of the module is 120°~180°;
- ② Module adopts high refresh high grayscale IC, more uniform heat dissipation, refresh frequency can reach 3840Hz;
- ③ Module adopts 18 pcs strong magnetic adsorption mounting with good flatness, also can be finely adjusted

2. Product Image



3. Main Technical Parameters

| Item | | Technical Parameters |
|---------------------|-------------------------|----------------------|
| Physical Parameters | Pixel Pitch(mm) | 1.86 |
| | LED Type | SMD1515 |
| | Module Resolution(W×H) | 172*86 |
| | Module Size(W×H×D)/(mm) | 320*160*7.5 |
| | Pixel Density(dots/㎡) | 288906 |

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Page

3

| | | |
|------------------------|--|---|
| | Module Weight(Kg) | 0.32 ± 0.05 |
| | Module Flatness(mm) | ≤0.2 |
| | Bending Arc(°) | 120~180° |
| | Recommended Minimum Diameter for Soft Bending Module | 6 pieces for a full circle, bending not less than $\phi 611\text{mm}$ |
| Optical Parameters | White Balance Brightness(nits) | 600 |
| | Color Temperature(K) | 8000-9500 Adjustable |
| | Viewing Angle (Horizontal/Vertical)(°) | 150/130 |
| | Refresh Frequency(Hz) | 3840 |
| | Grayscale(bit) | ≥13 |
| | Scanning Mode | 1/43 |
| | AC Operating Voltage(V) | 5 |
| | Signal Input Interface Type | HUB75 |
| | Maximum Power per Module (W) | 25 |
| Application Parameters | Application Scenarios | Indoor |
| | Best View Distance(m) | 1.8 |
| | Storage Temperature(°C)/ Humidity (RH) | -20℃~50℃/10%~65% |
| | Working Temperature(°C)/ Humidity(RH) | -10℃~40℃/10%~60% |
| | Protection Grade | IP30 |
| | LED Service Time(H) | 100000 |
| | Module Maintenance Methods | Front/Rear maintenance |
| | Continuous Operating Time | ≥7X24hrs, support continuous display |

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Page

4

4. Plane Structure of the Product

