Description: RX-BKT28 Series Non waterproof LED module, With top SMD2835, High luminous efficiency 100Lm / W; high brightness, low prices. 4 sizes of interlocking and connectable panels allows for variety of designs to be configured. Mainly used for light boxes backlight, large-scale projects, shopping malls, railway stations, airports and other high-end places lighting. Ideal backlight-light source, also be used for home decorative lighting, Do your own energy-saving lighting project.

CRI >85
Luminous efficiency 100Lm/W DC12V

High brightness 25000Lm / m²
New design LED arrangement spacing 30.4mm

LED to face distance > 38mm/1.5”
Stitching Size 2m² No additional connection wires

Application specs
Brightness 20Lm / LED
Default Colors CW6000~6500K
Other colors WW2700~3200K NW4200~4700K
CRI > 85
Application Environment Dry Locations
Operating Temperature -22°F~122°F (-30~50°C)

Electrical specs
Power 0.2W / LED
Input DC 12V or DC 24V
Warranty 3 years
Certification CE RoHS FCC

Dimension

New design Balanced Light Distribution NO HOT SPOTS!
38mm 1.5” MINIMUM CAN DEPTH REQUIRED!
30.4mm 1.2” DISTANCE BETWEEN LED’S

RX-BKT28-A
RX-BKT28-C
RX-BKT28-F
RX-BKT28-D

RX-BKT28 Series Non Waterproof LED module- backlight-SIGNAGE & light source
MODEL: RX-BKT28 Series  Http: www.xinelam.com

2013-6
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MODEL: RX-BKT28 Series

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Data sheet

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Dimension LED QTY</th>
<th>Lumen</th>
<th>Power DC Input</th>
<th>Stitching Size</th>
<th>LED spacing</th>
<th>Comment</th>
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<tbody>
<tr>
<td>RX-BKT28-A-24V</td>
<td>304x304mm</td>
<td>2400Lm</td>
<td>24W 24V</td>
<td>20pcs 2m²</td>
<td>30.4mm</td>
<td>Min. Cabinet Depth 38mm</td>
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<td>120LED</td>
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<td>24V</td>
<td></td>
<td></td>
<td>250W / m² 25000Lm / m²</td>
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<tr>
<td>RX-BKT28-D-24V</td>
<td>60x304mm</td>
<td>480Lm</td>
<td>4.8W 24V</td>
<td>24pcs 0.2m²</td>
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<td>Temperature rise +25 °C</td>
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<td>High brightness light source</td>
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<td>Min. Cabinet Depth 38mm</td>
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<td>24pcs 0.08m²</td>
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<tr>
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</table>

The above table data testing at room temperature is 25 °C, test voltage DC24V

LED color temperature 6000-6500K, CRI > 85, Life 40000hours@25 °C

*Minimum distance required from Panel to face. Calculated with 2447 milky white acrylic with no graphics, Depth on faces with graphics can have thinner cabinet depths, Consult with XineLam for samples and depth demonstrations. Special sizes, Consult with XineLam Reps and Distributors

Mosaic splicing diagram:

Note: Row and column totals; must be less than the number of LED module can be spliced (RX-BKT28-A: Row QTY x Column QTY ≤ 20pcs)

Recommended rows stitching

If you need a larger number of splicing series, please use the high current model RX-BKCC-A

Please note that the back of the terminal insulation. Or use Sponge double-sided adhesive tape

2013-6
Non Waterproof LED module - backlight-SIGNAGE & light source
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Advising light boxes backlight installation diagram

Note: Our only produce LED aluminum panel, the picture above for reference purposes only!

Wiring diagram

Recommended Dimming system
Dimming power + PWM signal (Option 1-10V)
HLG-240H-**B + DM-IR8A

A large area of simple synchronous dimming system - No PWM flicker
Constant voltage constant current power supply - 100% load power
CAUTION: This product is installed by a professional engineering staff.

Safety Information
1. The LED module itself and all its components may not be mechanically stressed.
2. Assembly must not damage or destroy conducting paths on the circuit board.
3. Installation of LED module (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
4. Correct electrical polarity needs to be observed. Wrong polarity may destroy the LED module.
5. Parallel connection is highly recommended as safe electrical operation mode.
6. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the LED module.
7. Please ensure that the power supply of adapters power to operate the total load.
8. When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.
9. Pay attention to standard ESD precautions when installing the LED module.
10. Damaged by corrosion will not be honored as a materials defect claim. It is the user’s responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.
11. Non Waterproof LED module
12. LED module can not be used as support, you need fixed in the frame, fixed to the wall, otherwise, may cause deformation.