Description: RX-BKT28 Series Non waterproof LED module, 2014 new version, using MCPCB, no distortion, better heat dissipation, and patented ultra-thin welding machine terminals. Hand-tighten the screws easier to splice installation, High luminous efficiency up to 110Lm / W; 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 >80
Luminous efficiency 110Lm/W DC24V

Dimension
4 sizes of interlocking and connectable

MCPCB
Good heat dissipation

Patent terminal
Ultra thin high current

LED to face distance
> 38mm/1.5"

Stitching Size 2m²
No additional connection wires

Application specs
Brightness 8Lm /20mA LED; 26Lm /60mA LED
Default Colors CW6000~6500K
Other colors WW2800~3200K NW3800~4200K
CRI > 80
Application Environment Dry Locations
Operating Temperature -30~50°C

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

Dimension
### Data sheet

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Dimension LED QTY</th>
<th>Lumen</th>
<th>Power DC 24V</th>
<th>Stitching Size</th>
<th>LED spacing Brightness/ m²</th>
<th>Comment</th>
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</thead>
<tbody>
<tr>
<td>RX-BKT28-AL120LED</td>
<td>304x304mm 120LED</td>
<td>960Lm</td>
<td>9.6W</td>
<td>Max 25pcs</td>
<td>30mm</td>
<td>Temperature rise +10 °C</td>
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<td></td>
<td></td>
<td></td>
<td>2.2m²</td>
<td></td>
<td>Cooling by free air convection</td>
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<td></td>
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<td>No additional</td>
<td></td>
<td>No additional heatsink</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>connection wires</td>
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<tr>
<td>RX-BKT28-DL24LED</td>
<td>60x304mm 24LED</td>
<td>192Lm</td>
<td>1.9W</td>
<td>Max 60pcs 1m²</td>
<td>106W / m²</td>
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<td></td>
<td>10600Lm / m²</td>
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<td>Normal brightness light source</td>
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<td>RX-BKT28-CL20LED</td>
<td>304x50mm 20LED</td>
<td>160Lm</td>
<td>1.4W</td>
<td>Max 60pcs 1m²</td>
<td>320W / m²</td>
<td>High brightness light source</td>
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<td>34000Lm / m²</td>
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<tr>
<td>RX-BKT28-FL4LED</td>
<td>60x50mm 4LED</td>
<td>32Lm</td>
<td>0.5W</td>
<td>Max 240pcs 0.7m²</td>
<td>30mm</td>
<td>Temperature rise +25 ° C</td>
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<td>30mm</td>
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<td>Cooling by free air convection</td>
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<td>320W / m²</td>
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<td>No additional heatsink</td>
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<td>34000Lm / m²</td>
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<td>RX-BKT28-A120LED</td>
<td>304x304mm 120LED</td>
<td>3120Lm</td>
<td>28.8W</td>
<td>Max 8pcs 0.7m²</td>
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<td>30mm</td>
<td></td>
<td>No additional heatsink</td>
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</tbody>
</table>

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

LED color temperature 6000-6500K, CRI > 80, Life 50000hours@25 °C (WW2800~3200K 96% brightness ; NW3800~4200K 92% brightness)

*Minimum distance required from Panel to face. Calculated with calculated with ISM-0475 PC light diffusion board 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 (Row x Column≤10A 240W)

Recommended rows stitching

If you need a larger number of splicing series, Can increase the welding terminal, for details please contact XineLam.
Non Waterproof LED module- backlight-SIGNAGE & light source / 2014 new version
MODEL: RX-BKT28 Series
Http: www.xinelam.com

Wiring diagram

1. Maximum series connected power 240W. (24V 10A)

2. Maximum series connected power 120W. (24V 5A)

3. Maximum series connected power 120W. (24V 5A)
   Need add install WAGO2060 Terminal

4. Need add install WAGO2060 Terminal

   RX-BKT28-DL, CL, FL combinations about power: 20W - You can use the EFC-30-24 drive power supply.
   RX-BKT28-D, C, F combinations about power: 60W - You can use the HLG-60H-24 drive power supply.

**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.