**Description**: RX-BKT28T-18-50 Series Direct-lit light bar features outstanding lumen output with low power consumption. With secondary optical lens on LED, the emitting angle can be widened so that the light bar presents excellent light uniformity. Direct-lit light bar is an energy-saving and high efficient solution for TV backlight, panel light and advertising light box.


**CRI: > 80**
Efficiency 115Lm/W

**Optional**
CV Input - Easy to Expand
CC Driver - High Efficiency

**Size**
1100x18mm
LED spacing:50mm

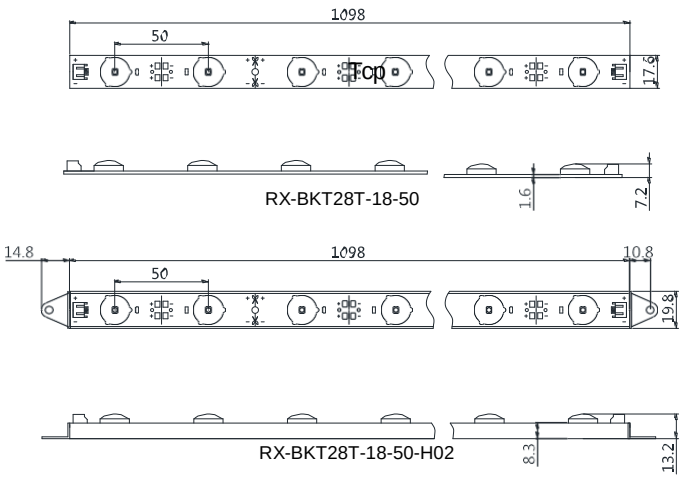
**Variety of Applications**
Line or Lattice Light

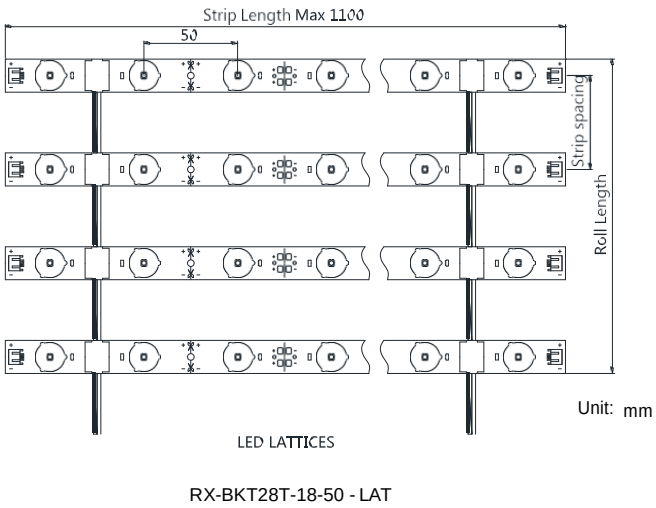
**Customize Length**
One LED cut

**Wide Angle Light Source**
160° TV Lens


| Application specs | |
|---|---|
| Brightness | 63Lm/LED |
| Default Colors | CW5800~6250K |
| Other colors | WW2800~3200K NW3800~4250K |
| Waterproof Rating | Optional* |
| Operating Temperature | -40~50°C (PCB /Tc < 75°C) |
| Electrical specs | |
| LED Power | 0.55W(CC TYPE); 0.7W(CV TYPE) |
| Input | DC18~19V(CC TYPE); DC24V(CV TYPE) |
| Warranty | 3 years |
| Certification | CE RoHS FCC |
| Life-Span | >40000hours Tc< 75 °C, I<30mA /LED |

Dimensions




RX-BKT28T-18-50 - LAT

Waterproof Rating Optional* You can choose to Conformal Coated IP66, or waterproof epoxy potting IP67

Technical Data:

| Part Number | Dimensions<br>Net weight | LED<br>QTY | Test Current<br>Test Voltage<br>Power | Luminous flux | Efficacy | Light Angle | TCP Test | Comment |
|---|---|---|---|---|---|---|---|---|
| RX-BKT28T-18-50<br>-1100-CC | 1100x18x7.2mm<br>120g | 22pcs | 300mA@17.3V<br>5.2W | 730Lm | 140Lm/W | 155°~165° | 33 °C | CC TYPE<br>0 ohm resistor<br>Requires<br>CC driver |
| | | | 660mA@18.5V<br>12.2W | 1400Lm | 115Lm/W | 155°~165° | 40 °C | |
| RX-BKT28T-18-50<br>-1100-CV | 1100x18x7.2mm<br>120g | 22pcs | 24V<br>15.5W | 1390Lm | 90Lm/W | 155°~165° | 40 °C | CV TYPE<br>Easy to Expand |

Note: Beam Angle 160 °, Tolerance range for optical data: ±10 %. Tolerance range for electrical data±5 %
The above table data testing at room temperature is 25 °C, Cooling by free air convection. TCP test Temperature Max 40 °C,
Test LED color temperature 5800-6250K, CRI>80, (WW2800~3200K 95% brightness; NW3800~4200K 98% brightness)

## Precautions In Handling

1, LED Lighting for white light are devices which are materialized by combining white LEDs.The color of white light can differ a little unusually to diffuser plate(sign-board panel).

2, Handling

Don't drop the unit and don't give the unit any shocks.

Don't storage the Module in a dusty place or room.

Don't take the unit to pieces.

3, Cleaning

This LED Module should not be used in any type of fluid such as oil, organic solvent, etc.

It is recommended that IPA(Isopropyl Alcohol) be used as a solvent for cleaning the LED Module.

When using other solvents, it should be confirmed beforehand whether the solvents will dissolve the package and the resin or not. Freon solvents should not be used to clean

the LEDs because of worldwide regulations. Do not clean the LED Module by the ultrasonic.

Before cleaning, a pre-test should be done to confirm whether any damage to the LED Lighting will occur.

4, Static Electricity

Static electricity or surge voltage damages the LED Lighting.

5, Discoloration

VOCs (volatile organic compounds) may be occurred by adhesives, flux, hardener or organic additives which is used in luminaires (fixture) and LED silicone bags are permeable to it. It maylead a discoloration when LED expose to heat or light.

This phenomenon can give a significant loss of light emitted(output) from the luminaires(fixtures). In order to prevent these problems, we recommend you to know the physical properties for the materials used in luminaires, it requires to select carefully.

6, Risk of Sulfurization (or Tarnishing)

The lead frame is a plated package and it may change to black. (or dark colored) when it is exposed to Ag (a), Sulfur (S), Cchlorine (Cl) or other halogen compound.It requires attention.

Sulfide (Sulfurization) of the lead frame may cause a change of degradation intensity, chromaticity coordinates and it may cause open circuit in extreme cases. It requires attention. Sulfide (Sulfurization) of the lead frame may cause of storage and using with oxidizing substances together. Therefore, LED is not recommend to use and store with the below list.: Rubber, Plain paper, lead solder cream etc.

7, Others

If over voltage which exceeds the absolute maximum rating is applied to LED Lighting,

it will cause damage Circuits(that LED is included) and result in destruction.

Do not directly look into lighted LED with naked eyes for long time.