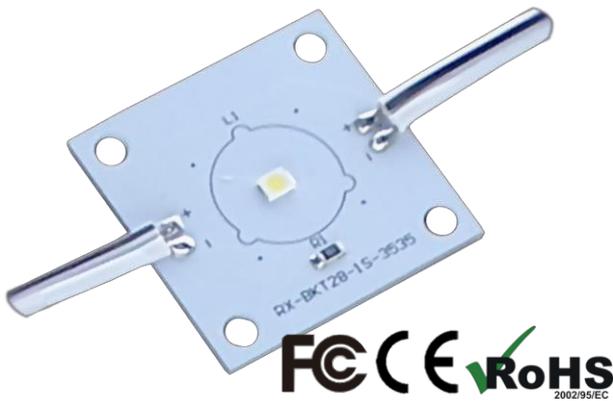


Description:

RX-BKT28-1S-3535 The newly designed one LED module; High CRI; High efficiency 100Lm / W @ DC24V, You can also select additional lens; advertising for ultra-thin backlight.. Ideal for Light source, Backlighting for advertising, Blister words backlit, LED signs. Do your own energy-saving lighting project. With secondary optical lens on LED, the emitting angle can be widened so that the light bar presents excellent light uniformity. More suitable for narrow and slim advertising.



CRI > 80

Efficiency 100Lm/W

CV Input, Easy to Expand

DC24V 0.65W/LED

Maximum Series

100pcs (circuit in parallel)

Low Temperature rise

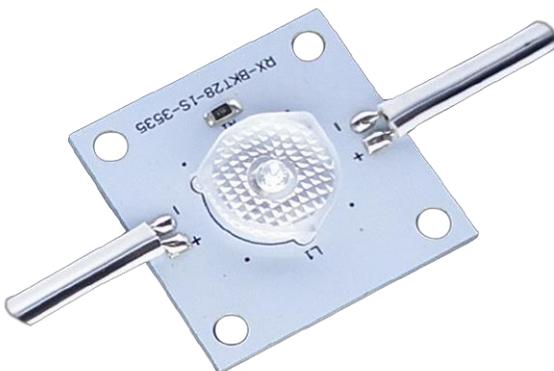
<15°C Really long life

Special custom LED

One lamp = 6LED

Can install Lens

160° light diffusion



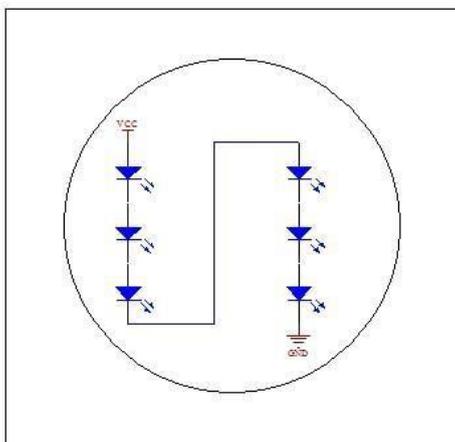
Application specs

Brightness	65Lm/LED
Default Colors	CW6000~6500K
Other colors	WW2800~3200K NW3800~4250K
Waterproof Rating	No IP rating
Operating Temperature	-30~50°C ; Max T _{cp} 65 °C

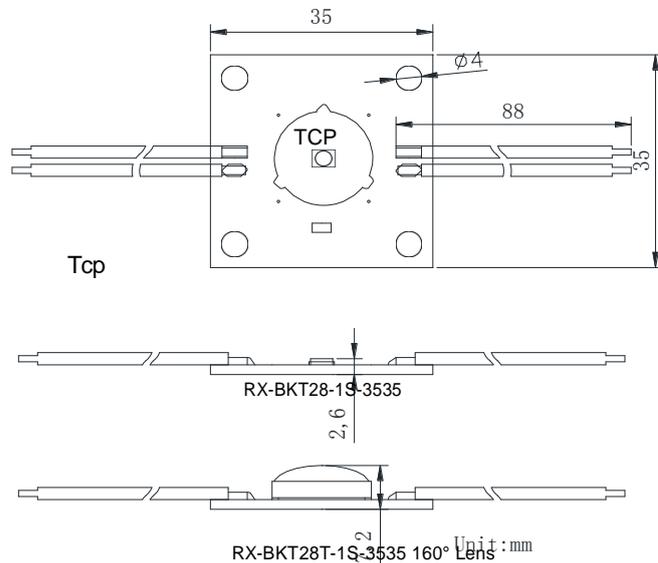
Electrical specs

Power	0.65W / LED
Input	DC24V
Warranty	3 years
Certification	CE RoHS FCC
Life-Span	>50000hours T _c <65 °C, I =27mA/LED

* RX-BKT28T-1S-3535 module with a lens, the brightness was 90%..



1LED lamp=6LED



Unit: mm

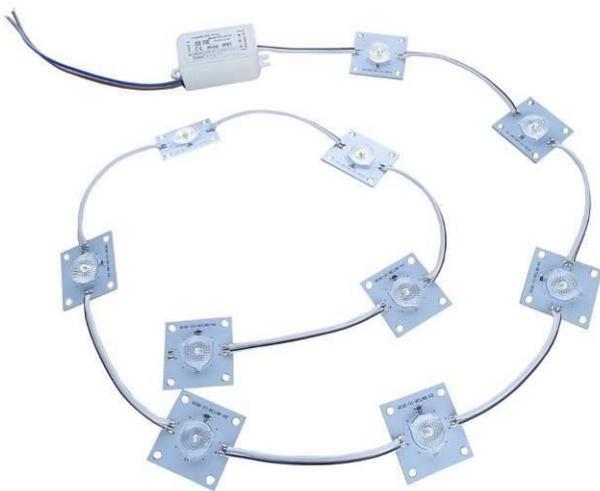
Unit: mm

Technical Data:

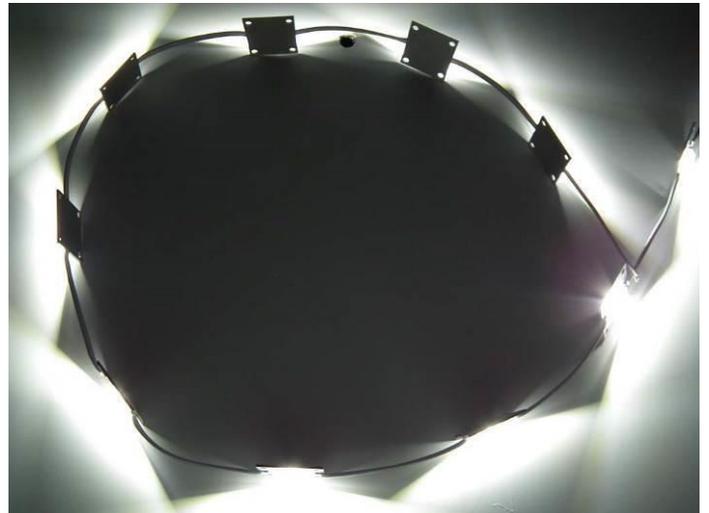
Part Number	Dimensions Net weight	LED QTY	Input Power	Luminous flux	Efficacy	Comment
RX-BKT28-1S-3535	35x35x2.6mm 62g/10pcs	10LED/10pcs	DC24V 6.5W/10pcs	650Lm/10pcs	100Lm/W	Test T _{cp} 40 °C Beam characteristic 120° Maximum Serie 100pcs
RX-BKT28T-1S-3535	35x35x7.2mm 75g/10pcs	10LED/10pcs	DC24V 6.5W/10pcs	585Lm/10pcs	90Lm/W	Test T _{cp} 40 °C With 160° Lens Maximum Serie 100pcs

Note: 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. LED color temperature 6000-6500K, CRI >80

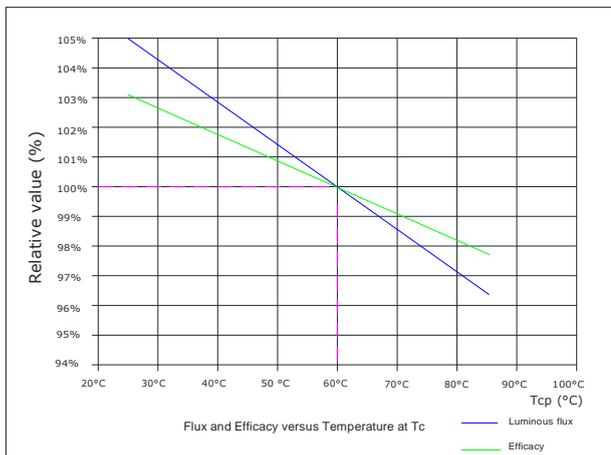


Kit includes drive power

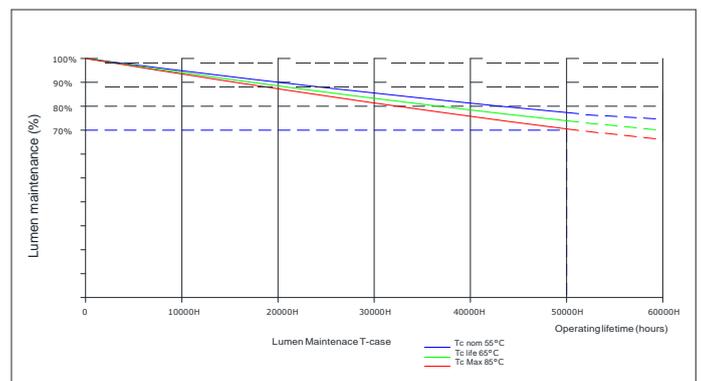


With secondary optical lens on LED, the emitting angle can be widened so that the light bar presents excellent light uniformity

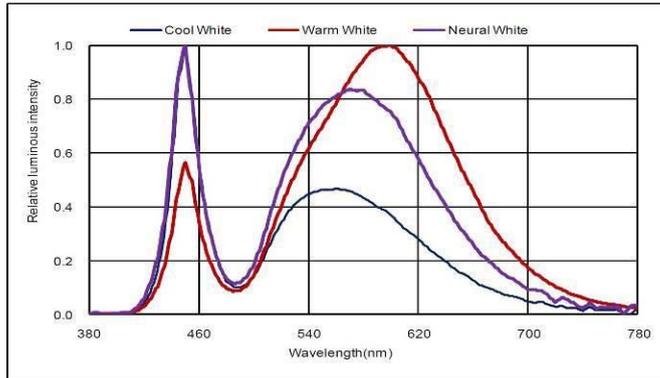
Flux and Efficacy versus Temperature at T_c



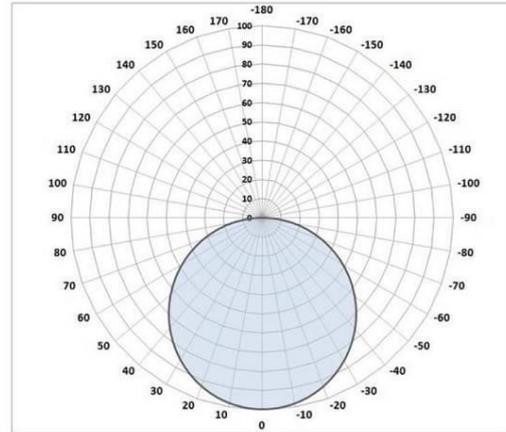
Lumen Maintenance T-case



Relative spectral emission



Light distribution



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 may lead 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), Chlorine (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 longtime.