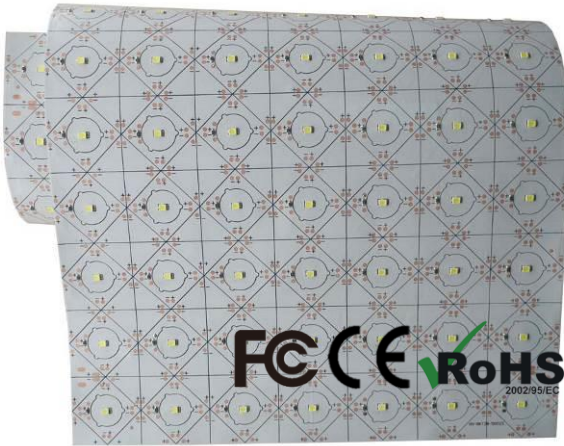


### Description:

RX-BKT28-500235 LED Sheet, Flexible LED modules; High efficiency 108Lm / W @ constant voltage drive, you can cut and splice. Ideal for Light source, Backlighting for advertising, Blister words backlit, LED signs. Do your own energy-saving lighting project.



**CRI > 80**  
**Efficiency 108Lm/W**

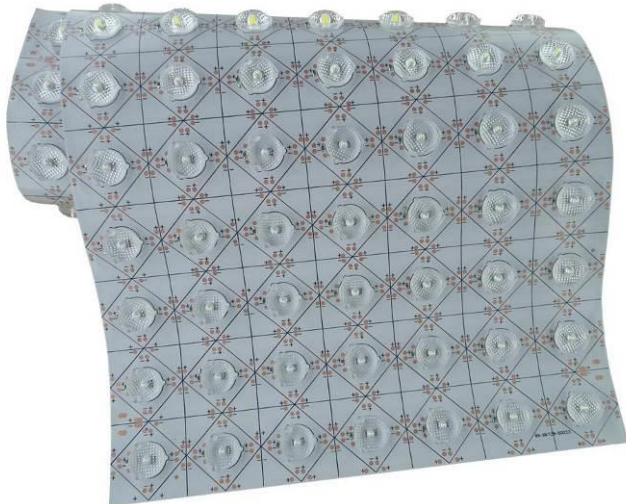
**Ultra-thin 1mm**  
Flexible can Cut

**One LED a group**  
Cut shape you need\*

**Min bend diameter 50mm**  
Rolled copper FPC

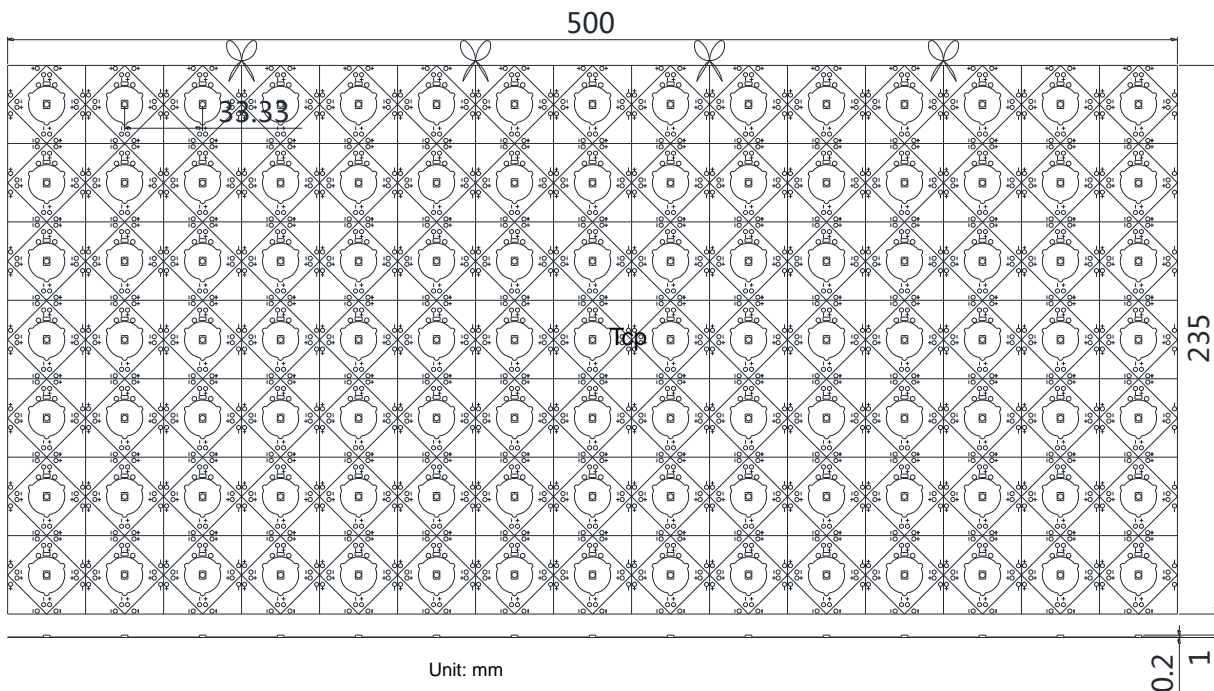
**Warranty**  
3 years

**Can install Lens**  
160° light diffusion



Application specs	
Brightness	33Lm/LED
Default Colors	CW6000-6500K
Other colors	WW2800-3200K    NW3800-4250K
Waterproof Rating	No IP rating
Operating Temperature	-30-40°C ; Max T <sub>cp</sub> 60 °C
Electrical specs	
Power	32W ; 0.3W / LED
Input	DC24V
Interconnect connection	--
Certification	CE RoHS FCC
Life-Span	>50000hours    T <sub>c</sub> <60 °C, I =1.33A

\* Cut LED sheet may damage the circuit must be professional and technical personnel to operate, may require additional cables.



Technical Data:

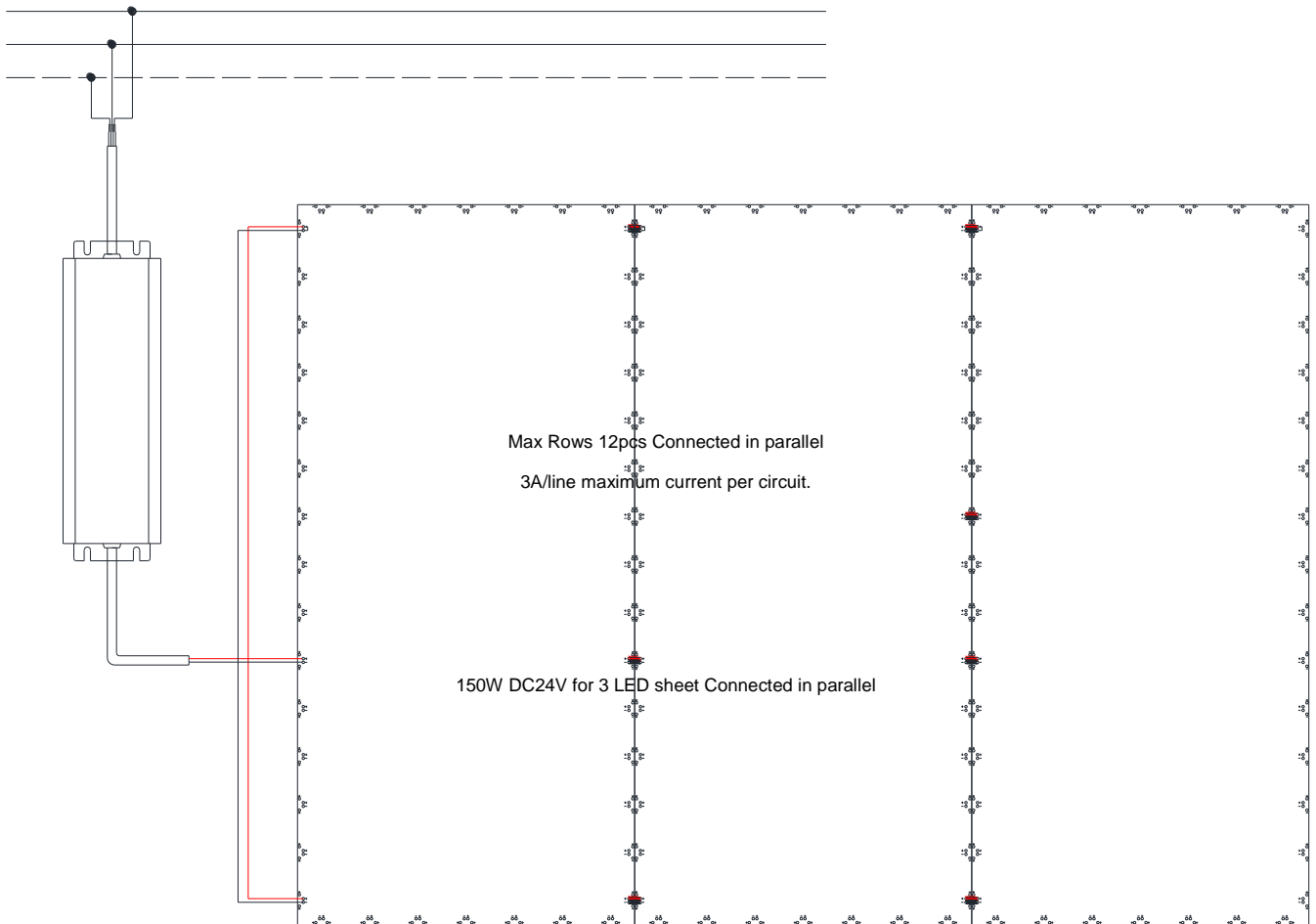
Part Number	Dimensions Net weight	LED QTY	Input Power	Luminous flux	Efficacy	Comment
RX-BKT28-500235	500x235x1mm 55g	105LED	DC24V 32W	33Lm/LED	108Lm/W	Test Tcp 45 °C One LED a group No Columns connection

Note: Beam characteristic 120 °, Tolerance range for optical data: ±10 %. Tolerance range for electrical data ±5 %

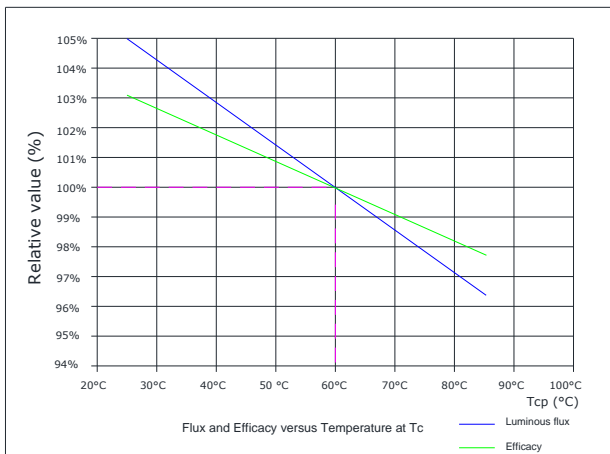
The above table data testing at room temperature is 25 °C, Cooling by free air convection. LED color temperature 6000-6500K, CRI >80

Minimum bending diameter: 50mm

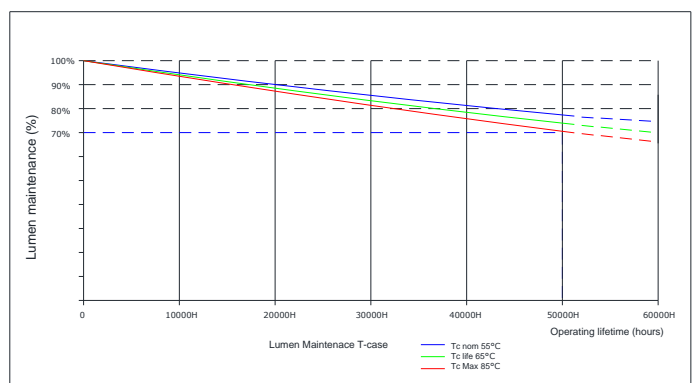
Wiring diagram



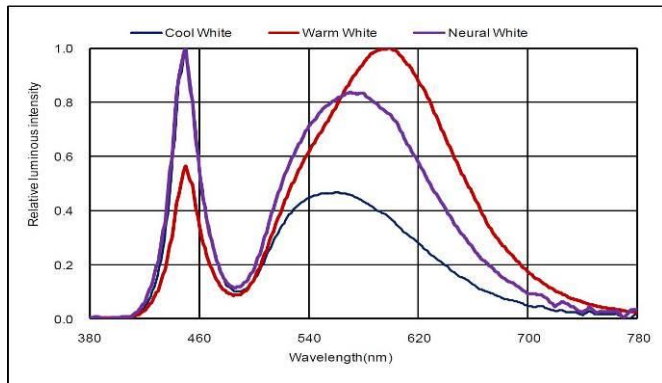
Flux and Efficacy versus Temperature at Tc



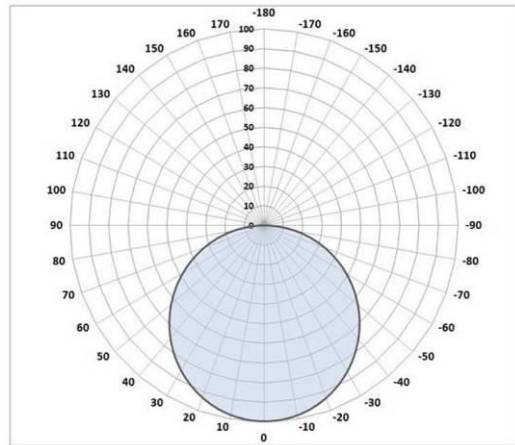
Lumen Maintenance T-case



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 store 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 long time.