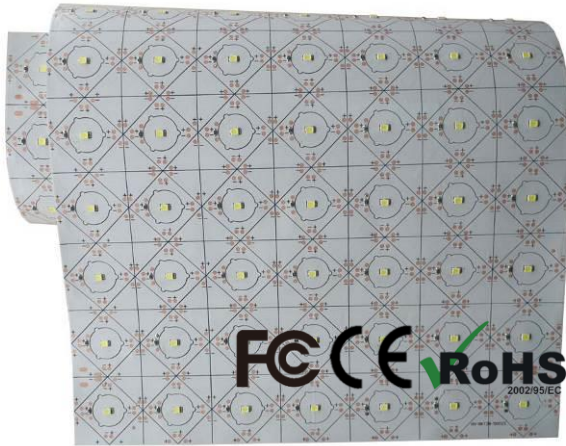


Description:

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

CV DC 24V 32W

Ultra-thin 1mm

Flexible can Cut

One LED a group

Cut shape you need*

Min bend diameter 50mm

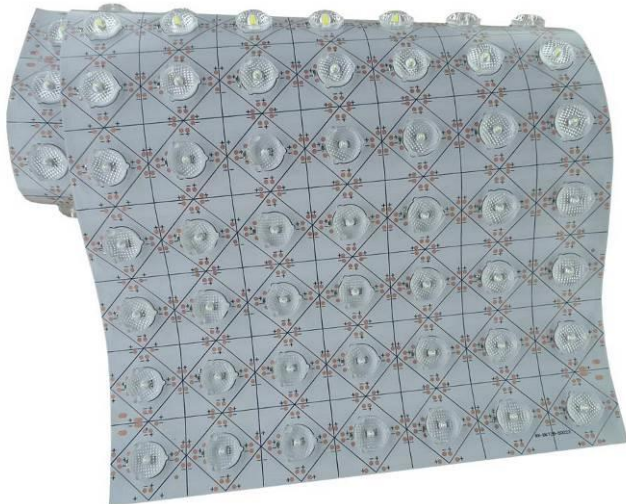
Rolled copper FPC

Warranty

3 years

Can install Lens

160° light diffusion



Application specs

Brightness 3480Lm @32W ; 33Lm/LED

Default Colors CW6000~6500K

Other colors WW2800~3200K NW3800~4250K

Waterproof Rating No IP rating

Operating Temperature -30~40°C ; Max T_{cp} 60 °C

Electrical specs

Power 32W ; 0.3W / LED

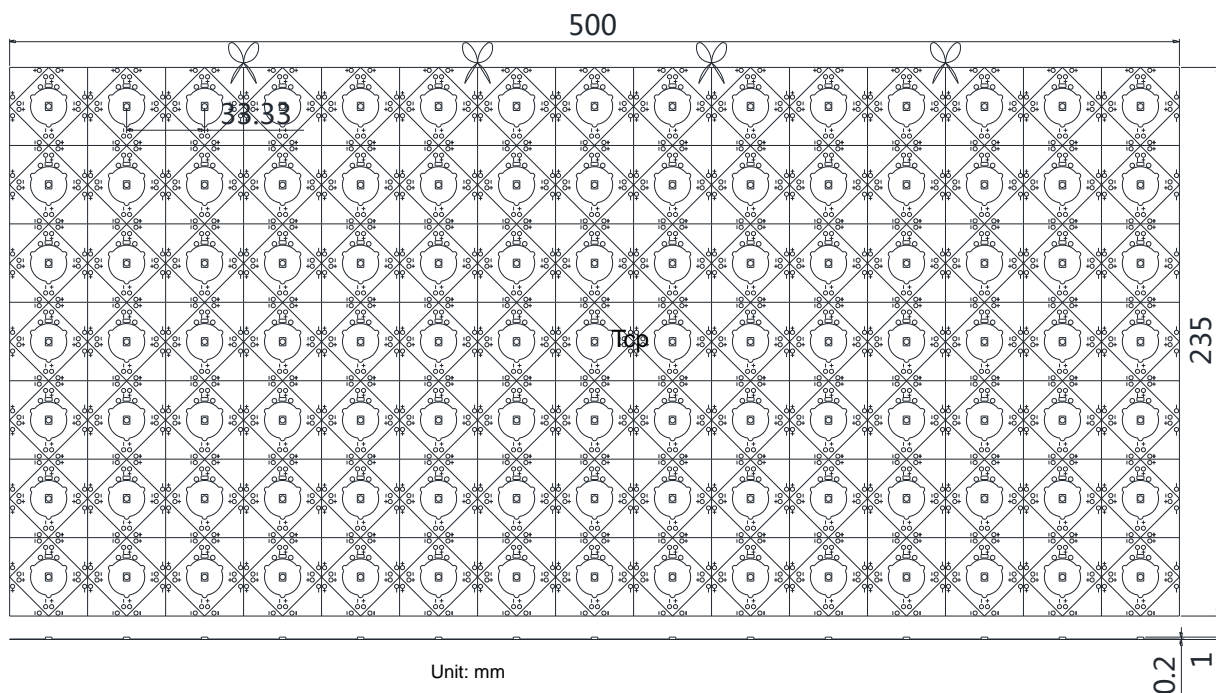
Input DC24V

Interconnect connection --

Certification CE RoHS FCC

Life-Span >50000hours T_c <60 °C, I ≈1.33A

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



Unit: mm

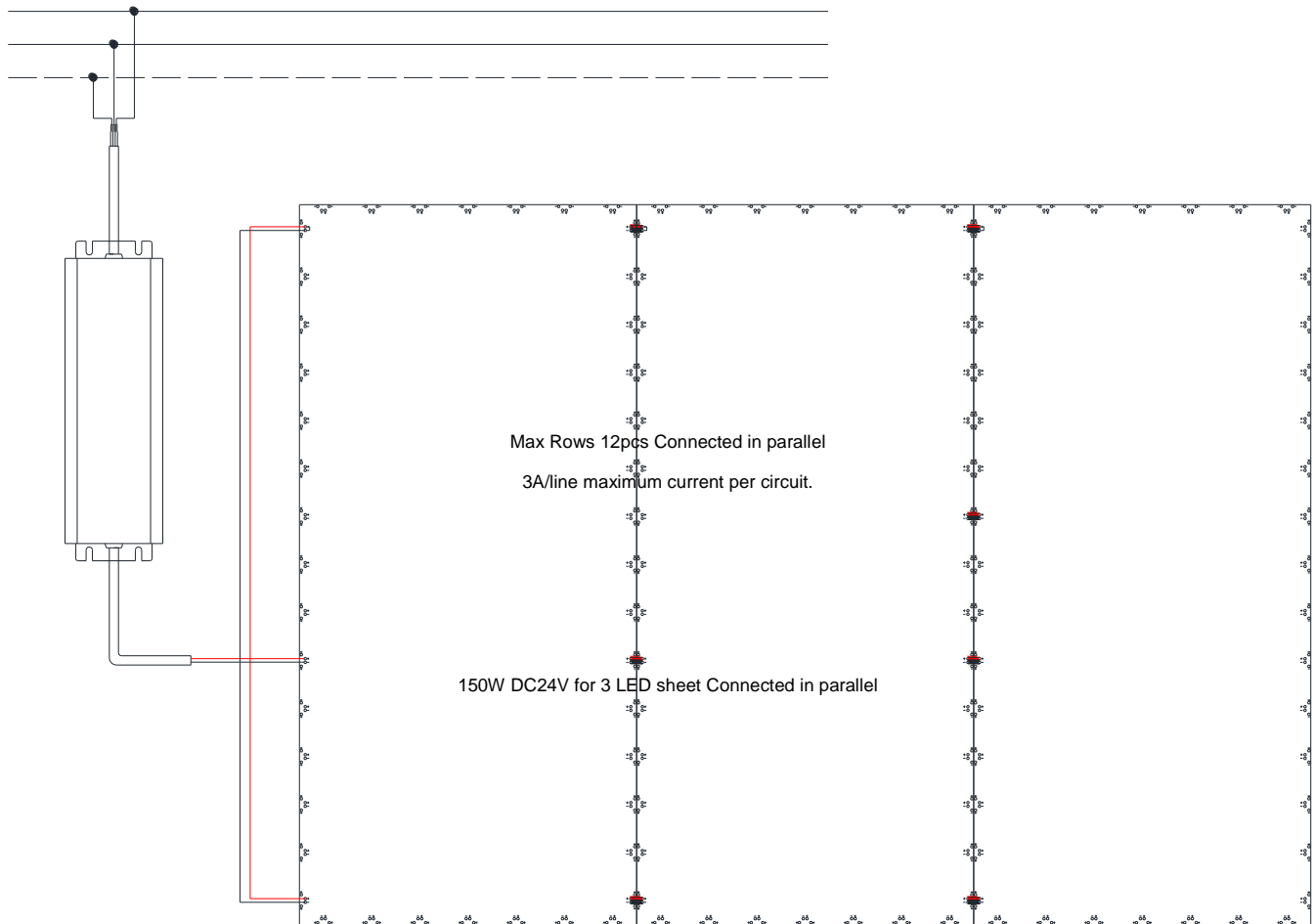
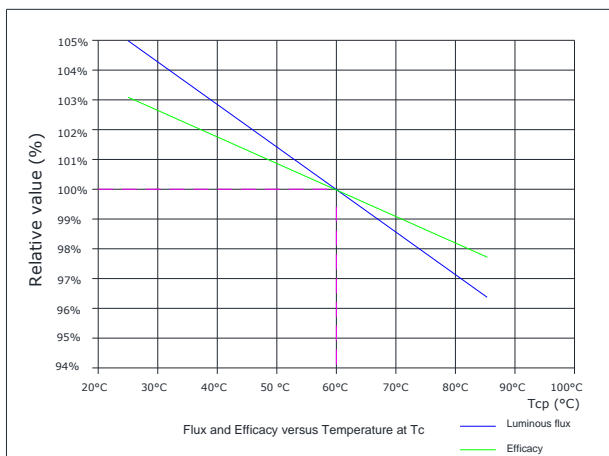
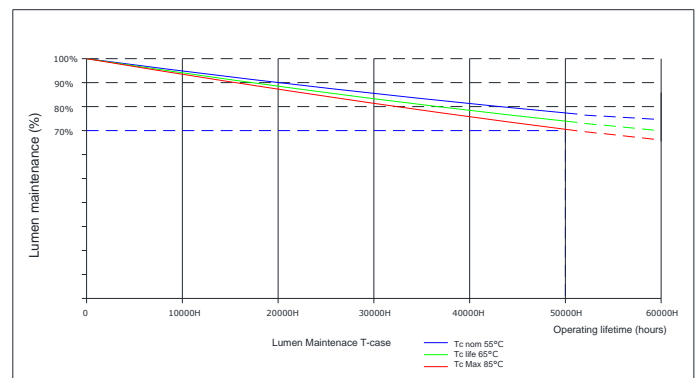
Technical Data:

Part Number	Dimensions Net weight	LED QTY	Input Power	Luminous flux	Efficacy	Comment
RX-BKT28-500235	500x235x1mm 55g	105LED	DC24V 32W	3480Lm	108Lm/W	Test Tcp 45 °C One LED a group No Columns connection

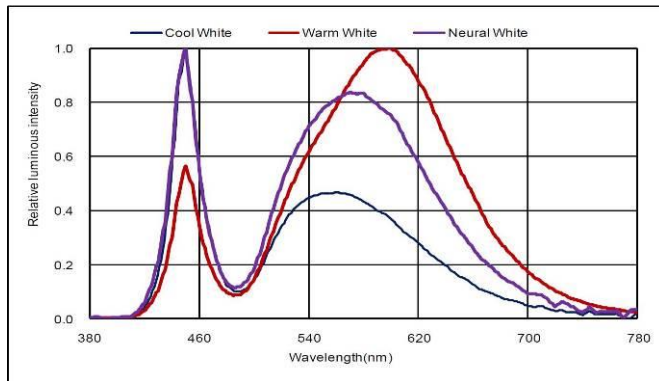
Note: Beam characteristic 120 °, Tolerance range for optical data: $\pm 10\%$. Tolerance range for electrical data $\pm 5\%$

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

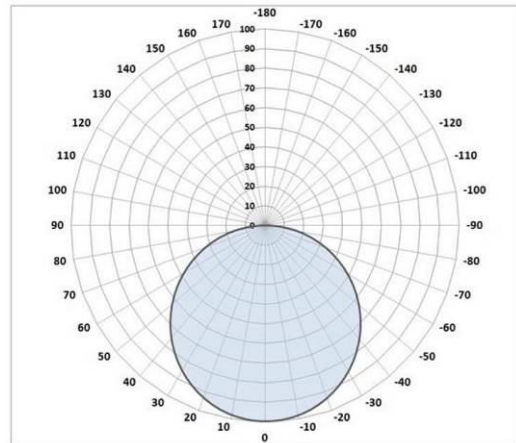
Minimum bending diameter: 50mm

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 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 long time.