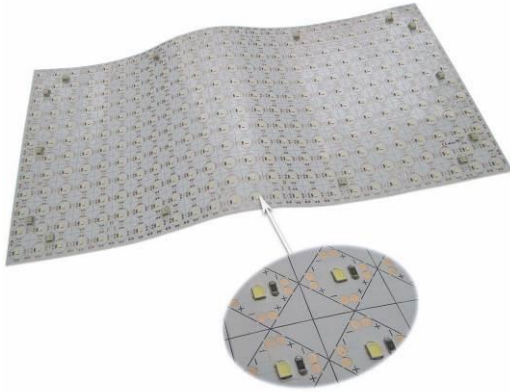


**Description:** LED Sheet, Patent: ZL201420249938.2, Flexible LED modules; you can cut and splice, making any shape LED module, High efficiency 108Lm / W @ constant voltage drive, Ideal for Light source, Backlighting for advertising, Blister words backlit, LED signs Do your own. energy-saving lighting project.



1. One LED cut, It can be cut into any shape!
2. Slim light box LED sheet module, depth 30mm
3. High efficiency 108Lm / W DC24V Input
4. High CRI > 80 (Optional: > 90)
5. Size 500x240mm, LED spacing 20mm, LED QTY 300pcs
6. Patent: ZL201420249938.2
7. CV input DC24V(Optional: 12V), Easy to expand installation
8. Warranty 3 years
9. CE RoHS FCC PSE

Model	Dimension Net weight	Power Test & Luminous Flux	Efficacy Typ	Continuous connection QTY	Rated Power	Comment
RX-BKT28-500240	500x240mm 110g	69W DC24V 6929Lm	100Lm/W	3pcs (180W) Parallel and series	68W IN DC24V	Tcp 46°C
RX-BKT28-500240L		36W DC24V 3802Lm	103Lm/W	6pcs (180W) Parallel and series	36W IN DC24V	Tcp 39°C
RX-BKT28-500240 -CC	300LED 0.5W SMD2835 18V	1A @18V 2567Lm	143Lm/W	--	Drivers Current determined power Max 3A 10mA/LED	Tcp 36°C 0Ω resistance

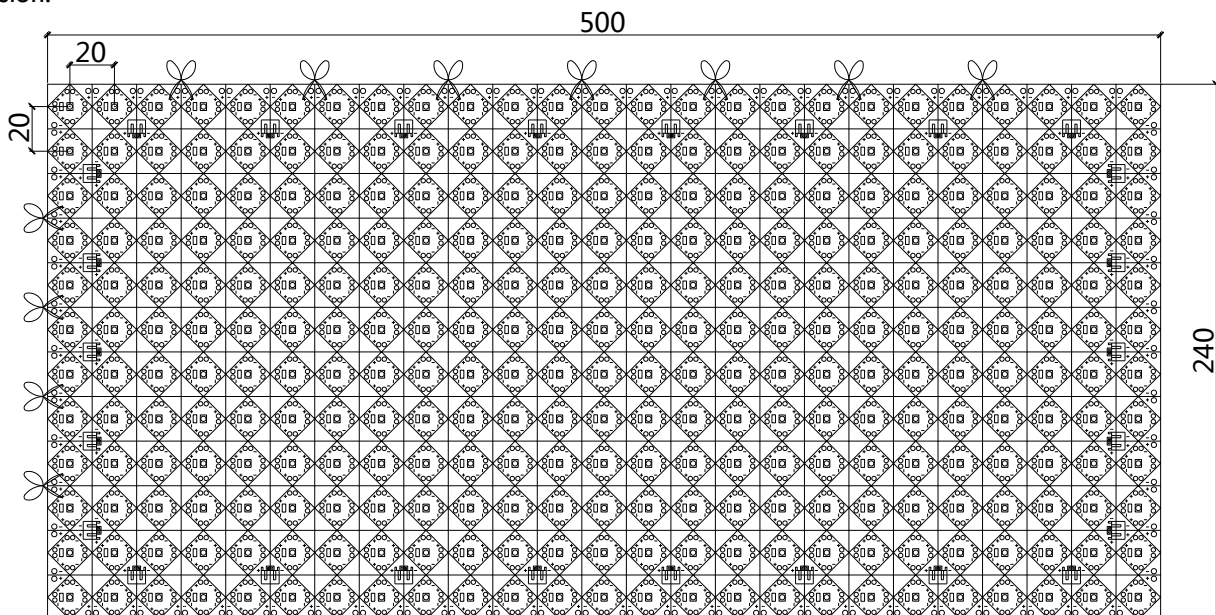
The above table data testing at room temperature is 25 °C, Cooling by free air convection. Lifetime: 40,000 hrs (Note: Tcp < 60 °C)

Operation Temperature: -30 °C ~ 70°C At the Tc point

Tolerance range for optical and electrical data: ±10 %.

Test LED color temperature 5800-6250K, (WW2800~3200K 92% brightness ; NW3800~4200K 96% brightness)

Dimension:



UNIT:mm

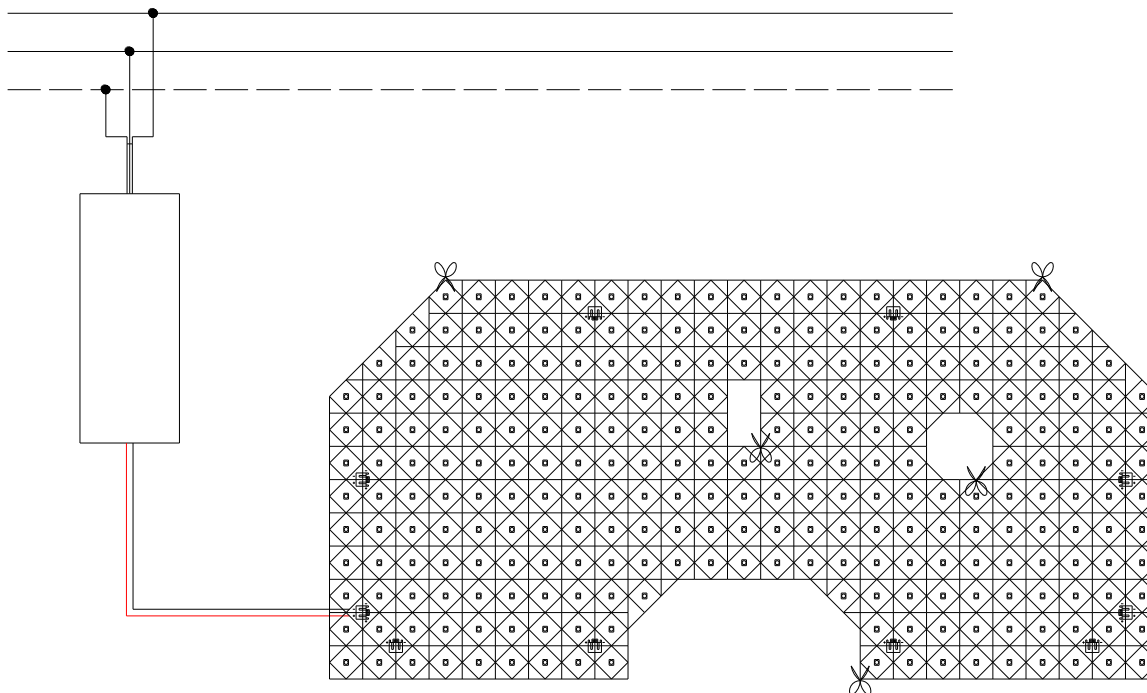
1.2

## Wiring diagram 1



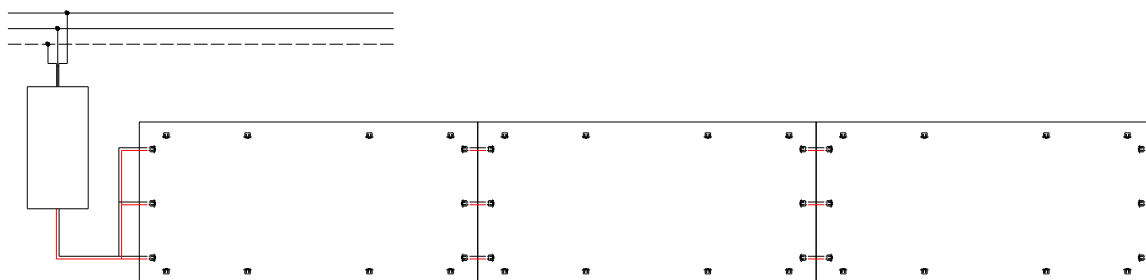
Single connection, constant voltage power supply is 120% LED module power

## Wiring diagram 2



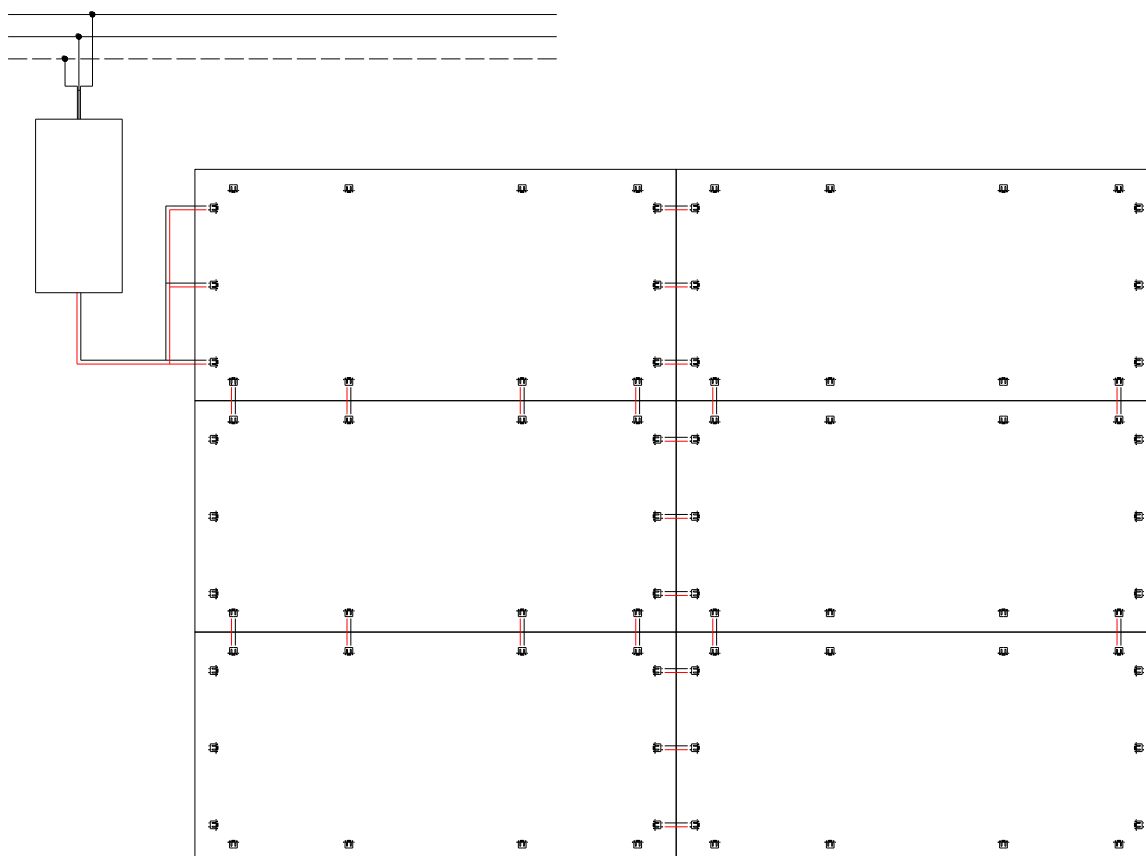
Cut into any shape you need

### Wiring diagram 3



Connected in series, the series maximum power 180W.

### Wiring diagram 4

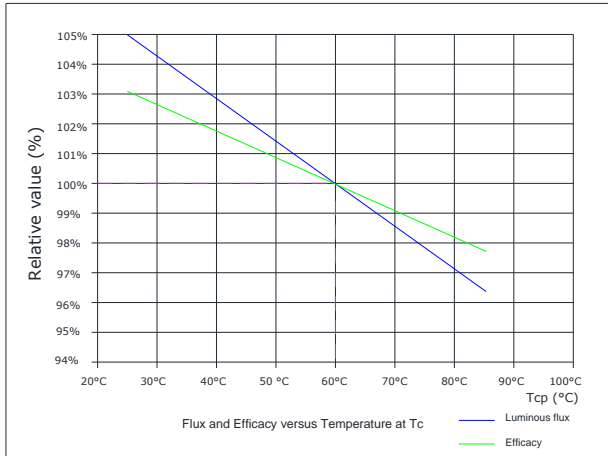


Series and parallel connections, Maximum power 180W

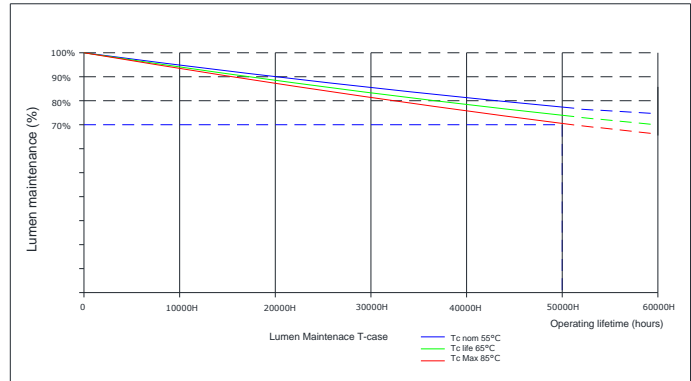
(3pcs or more series and parallel connections, use only low-power products RX-BKT28-500240L)

If you need a larger size stitching, increase the LED power supply

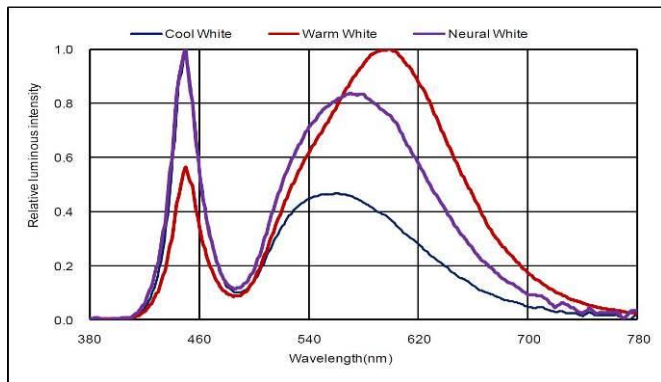
**Flux and Efficacy versus Temperature at Tc**



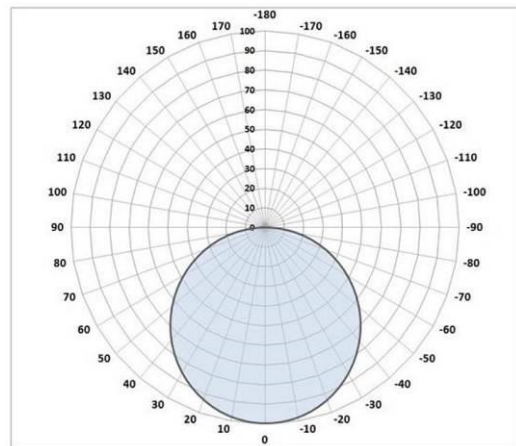
**Lumen Maintenance T-case**



**Relative spectral emission**



**Light distribution**



**CAUTION:** This product is installed by a professional engineering staff.

**Safety Information**

1. The LED panel 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 lamp (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 panel.
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 panel.
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 panel.
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. Waterproof LED panel , please note waterproof wiring department
12. LED panel can't be used as support, you need fixed in the frame, fixed to the wall, otherwise, may cause deformation.