

Direct type LED Panel Light



World's thinnest 28mm

Direct type Built-in LED driver

No flicker-Protect Your Eyes

No Visible and Imperceptible Flicker

Super brightness

Up to 8100Lm

Long-life LED panel

Long-life power supply

High CRI > 80

High efficiency 90Lm/W

PC light diffusion

Uniform light emitting no dark zone

Description: RX-FB28 Series direct type LED panel lights, the world's thinnest 28mm built-in LED driver, presents excellent light uniformity, presents excellent light uniformity. Specifically optimized design for solve the problem of Invisible or Imperceptible Flicker, Protect your eyes - No flicker! High power High lumen, Apply to Variety of places high brightness indoor lighting, Office Lighting, Meeting Rooms, Restaurants, Hotels, Hallway & lobbies, Subway Stations, School and Hospital, Factory lighting.

600x600mm, 300x1200mm Datasheet PDF: [RX-FB28 Series](#)

150x1200mm Datasheet PDF: [RX-FB28-15120](#)

Edge-lit LED panel lights:



Thin 10mm

New Design No back screws

No flicker-Protect Your Eyes

No Visible and Imperceptible Flicker

High CRI > 80

High efficiency Up to 85Lm/W

Patent number:

ZL201220278255

Power and Size

28W 2300Lm / 300x600mm

40W 3400Lm / 600x600mm

Life >40000hours

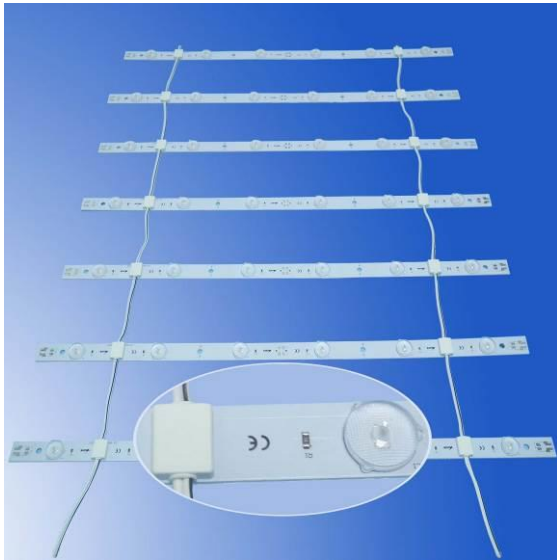
Long-life LED panel

Long-life power supply

Description: RX-FT10 LED panel light series, New Design No back side screws, Easy to install, 100% No flicker, Protect Your Eyes, XineLam LED Panel is an LED-based office solution that delivers good-quality, energy-efficient general lighting - and an enhanced working environment for office staff. The LED Panel Lights can be used to replace functional luminaires in general lighting applications. The process of selecting, installing and maintaining is so easy - it's a simple switch.

Datasheet PDF: [RX-FT10](#)

Lens LED Lattices - New LED light engine For Slim light box, LED panel light source



Wide Angle Light

160° TV Lens
20mm No Hot Spots

High quality LED source

For Light-box, Ceiling light...

High CRI:> 80

Efficiency up to 139Lm / W

A variety of specifications

500mm or 1100mm or 1160mm

Warranty 3 years

Life-Span >40000hours

DC24V One LED Cut

CV Type Easy to expand

Description:

RX-BKT28T Series Direct-lit LED lattices 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.

MODEL	Strip Dimension	Lumen /strip	Input Power	LED spacing	Strip spacing	Roll Series connection	Comment
RX-BKT41X2	500x18mm	400Lm	DC24V 4.2W	82mm	93mm	Max 50pcs	6LED/strip 1 LED Cut
RX-BKT28T-18-50	1100x18mm	1390Lm	DC24V 15.5W	50mm	50mm or 93mm	Max 15pcs	22LED/strip 1LED Cut
RX-BKT28T-18-41 -CCT	1160x18mm	WW 830Lm CW 880Lm	DC24V 10+10W	41mm	93mm	Max 12pcs	28LED/strip 2 LED Cut Adj CCT
RX-BKT28T-18-21	1170x18mm	2000Lm	0.7A@20.5V	21mm	41mm	Max 12pcs @0.7A/strip	56LED/strip 7LED Cut

Beam Angle 160°, Tolerance range for optical and electrical data: ±10%. Life >40000hours TCP < 75 °C
Test LED color temperature 5800-6250K, CRI>80, (WW2800~3200K 92% brightness ; NW3800~4200K 96% brightness)

LED Lattices (LED Curtain, LED Matrix, LED Grid, Led Ladder) - Without Lens LED Lattices

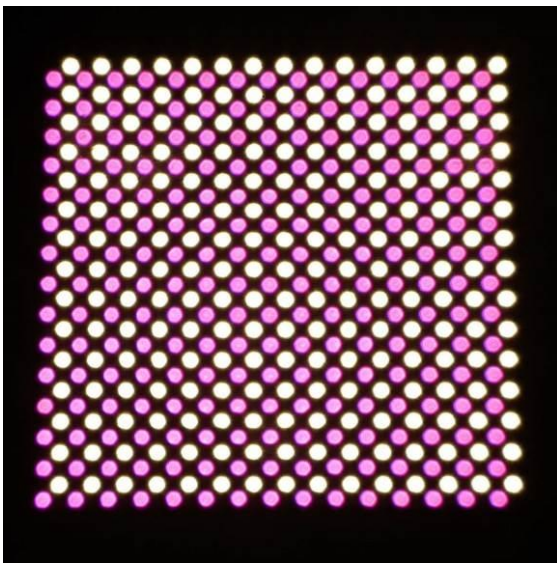
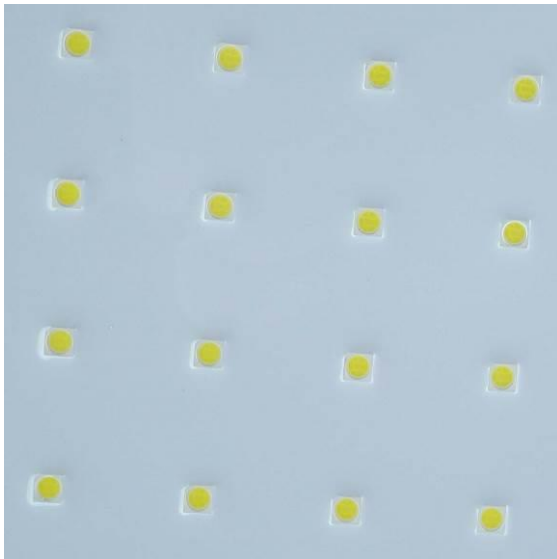
Description:

RX-BKTxx LED lattice backlight (LED curtain, LED bamboo slips) ; Patent No.:ZL201220134846. Use top SMD LED, high light efficiency, Can be used for curved spaces. designed for light boxes designed for backlighting. Compared to fluorescent tube backlight, saving 60%; compared to the LED module backlight, lower prices, affordable, small size, easy transportation. Ideal advertising backlight! Engineering advertising backlight

MODEL	Strip Diameter	Lumen /strip	Input Power	LED spacing	Strip spacing	Roll Series connection	Comment
RX-BKT41S	500x10mm	270Lm	DC24V 2.7W	50mm	41mm	Max 96pcs	12LED
RX-BKT41D	500x10mm	540Lm	DC24V 5.4W	41.6mm	60mm	Max 48pcs	24LED Double side
RX-BKT50S	600x10mm	270Lm	DC24V 2.7W	50mm	50mm	Max 96pcs	12LED 3LED Cut
RX-BKT60S	600x10mm	240Lm	DC12V 2.4W	60mm	60mm	Max 50pcs	10LED 1 LED Cut
RX-BKT41S-60-CCT	498x10mm	540Lm	DC12V 5.4W	41.6mm	60mm	Max 24pcs	24LED Adj CCT 2LED Cut

Beam Angle 120°, Tolerance range for optical and electrical data: ±10%. Life >40000hours TCP < 75 °C
Test LED color temperature 5800-6250K, CRI>80, (WW2800~3200K 92% brightness ; NW3800~4200K 96% brightness)

Description: RX-ALFxx waterproof LED aluminum panel, Patent No.:ZL200820131053, ZL200820132702. With the top SMD LED, unique waterproof design, the world's first, holds several patents, has a slim, low temperature rise, waterproof, safe, reliable, long life; strength over 50,000 hours aging test; Around the world, more than 6 years practical application, to good effect. Mainly used for light boxes backlight, a variety of power, in various sizes, you can also customize the size, the professional energy-saving lighting project



Waterproof

IP67

>50000 hours test

>5years(2233days)

Life-Span >>50000hours

Large size

Max custom sizes 1 m²

Thin 3mm

Luminous efficiency

100Lm/W DC12V

LED chip >130Lm/W

OEM & ODM

Various specifications

Size, CCT, power

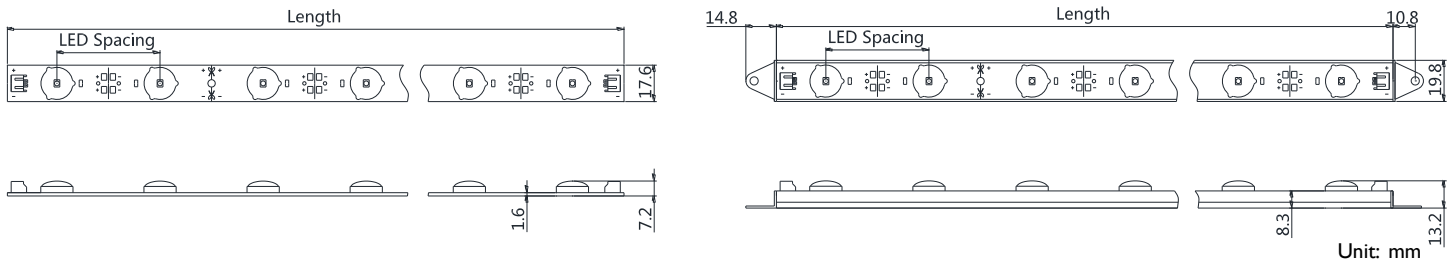
Application specs	
Brightness	7Lm/SMD3528, 22Lm/SMD5050
Default Colors	CW5800~6250K
Other colors	WW2800~3200K NW3800~4250K
Waterproof Rating	IP67
Operating Temperature	-40~50°C
Electrical specs	
LED Power	0.07W/SMD3528 ; 0.2W/SMD5050
Input	DC12V
Warranty	3 years
Certification	CE RoHS FCC
Life-Span	>50000hours

Specification:

MODEL	Dimension LED QTY	Lumen	Power DC12V	LED spacing Brightness/ m ²	Comment
RX-ALF3528-33-6060	600x600mm 324LED	2200Lm	22W	33.33mm 6000Lm	SMD3528 LED 3LED a Group Size Can be customized Datasheet: RX-ALF3528
RX-ALF3528-25-6060	600x600mm 576LED	3900Lm	39W	25mm 10830Lm	
RX-ALF3528-30-5454	540x540mm 324LED	2200Lm	22W	30.5mm 7540Lm	
RX-ALF3528-16-6060	600x600mm 1296LED	8200Lm	82W	16.66mm 22770Lm	
RX-ALF3528-50-6060	600x600mm 144LED	1100Lm	11W	50mm 3000Lm	
RX-ALF5050-33-6060	600x600mm 324LED	5800Lm	58W	33.33mm 16100Lm	SMD5050 LED 1LED a Group Size Can be customized Datasheet: RX-ALF5050 Round datasheet: RX-ALF5050-Fxx
RX-ALF5050-33-CCT-5050	500x500mm 450LED	CW 4000Lm WW4000Lm	40W x2CH	Max 32000Lm	
RX-ALF5050-33-RGBW -5050	500x500mm 450LED	RGB1060Lm WW 4000Lm	Max 40W X4 CH	--	
RX-ALF5050-25-6060	600x600mm 576LED	10000Lm	100W	25mm 27700Lm	

Description:

XineLam Lens LED lines, unique design, With 160° TV Lens , can be used as a linear light source, you can also connect a LED lattices, as an advertising backlight, or the panel light source; high CRI > 80, high luminous efficiency of up to 139Lm / W, without a lens and with a lens two options . You can choose a variety of specifications; can also customize your need size, shape, power consumption ...



Ambient Light Engine - LED Line - 160° TV Lens - Light uniformity



- 160° TV Lens ,A variety of specifications
- Can be customized: size, shape, power, input voltage...
- Warranty 3 years
- CRI:> 80, Luminous efficiency up to 139Lm / W
- Optional H02 aluminum Housing

MODEL	Size: mm W:18, H:7.2	Brightness Power	Comment
RX-BKT41X2	L: 500mm	400Lm 4.2W DC24V	LED spacing 82mm 6LED Limiting resistor Optional DC12V Can Made LED Lattices, 1 LED cut Optional 0Ω resistor CC drive
RX-BKT28T-18-50	L: 1100mm	1390Lm 15.5W DC24V	LED spacing 50mm 22LED Limiting resistor Optional DC12V Can Made LED Lattices, 1 LED cut Optional 0Ω resistor CC drive
RX-BKT28T-18-41 -CCT	L: 1160mm	WW 830Lm 10W CW 880Lm 10W DC24V	LED spacing 41mm 28LED Limiting resistor,Adjustable CCT Can Made LED Lattices, 2 LED cut Optional 0Ω resistor CC drive
RX-BKT28T-18-21	L: 1170mm	3200Lm 25.8W 1.2A@21.5V 2000Lm 14.4W 0.7A@20.5V	LED spacing 21mm 56LED High power, high brightness 1.2A Tcp Test 55°C @ Ta 25°C Require additional radiator
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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.

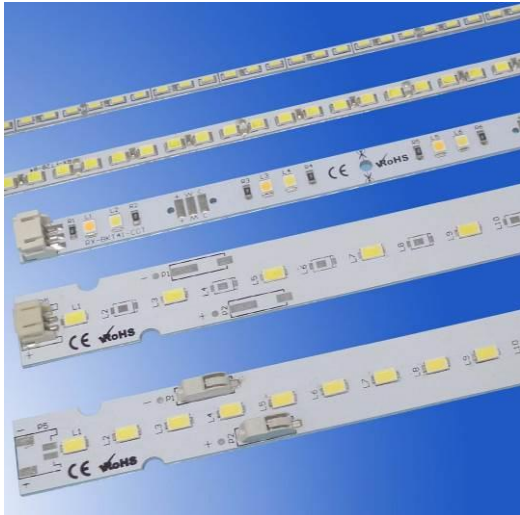
Operating Temperature -40~50°C (T_{cp} Max75 °C)

Test LED color temperature 5800-6250K, CRI>80, (VW2800~3200K 92% brightness ; NW3800~4200K 96% brightness)

Description:

XineLam LED lines, Series Small -sized LED umodule - Ideal for linear and panel lights. PN2.0 or WAGO2060 Terminal Block, Very easy to connect and remove the conductors. Perfectly uniform light, even if several LED modules are used together in a line. LED Line systems are designed to produce pure white light for general lighting applications with high efficiency level, surpassing T5. For a variety of lighting.

Ambient Light Engine - LED Line - Compatible Samsung and Philips



- **Optional PH2.0 or WAGO2060 Terminal**
- **A variety of specifications**
- **Can be customized: size, shape, power, input voltage...**
- **Warranty 3 years**
- **CRI> 80, Luminous efficiency up to 150Lm / W**
- **Optional H01 aluminum shell**

MODEL	Size H:2.5mm	Brightness Power	Comment
RX-FT28-42	290x6.2mm	520Lm 3.7W 0.21@17.6V	LED spacing 6.7mm SMD2835 JST;Thermally Adhesive tape Optional Increased resistance CV 24V
RX-FT28-84	568x6.2mm	1000Lm 7W 0.4A@17.4V	LED spacing 6.7mm SMD2835 JST;Thermally Adhesive tape Optional Increased resistance CV 24V
RX-AL3014-585	585x4mm	800Lm 9W DC12V	LED spacing 41mm SMD3014 Limiting resistor;JST Optional 0Ω resistor CC drive
RX-BKT41S-CCT	498x10mm	CW 260Lm 2.7W WW 280Lm2.7W DC12V	LED spacing 5.6mm SMD2835 PH2.0-3P terminal Limiting resistor;Adjustable CCT Can Made LED Lattices, 2 LED cut
RX-BKT57-M522A	550x18mm	960Lm 7W 0.3A@23.5V	LED spacing 5.6mm SMD5730 PH2.0 terminal, Optional H02 AL shell Compatible Samsung Linear LT-M552
RX-BKT57-M522C	550x18mm	2180Lm 16.9W 0.7A@24.V	LED spacing 5.6mm SMD5730 PH2.0 or 2060, Optional H02 AL shell Compatible Samsung Linear LT-M552

WAGO2060 SMD Terminal Blocks Connector - LED Lines:

MODEL	Size H:2.5mm	Test Current Forward VoltageTyp	Power	Luminous flux Typ	Tcp Test	Comment
RX-BKT57-28025	280x25mm	0.3A @33.5V	10W	1280Lm	65°C	EM power LED 6V IN,AL H01
RX-BKT57-56025	560x25mm	0.6A @33.7V	20.2W	2550Lm	65°C	44 LED SMD5730,AL H01
RX-BKT57-28040	280x40mm	0.3A @33.5V	10W	1280Lm	50°C	Compatible Philips LED Linear
RX-BKT57-56040	560x40mm	0.6A @33.7V	20.2W	2550Lm	52°C	
RX-BKT50-28040	280x40mm	0.7A @12.2V	8.5W	1010Lm	45°C	1W 5050 High Power
RX-BKT50-56040	560x40mm	0.7A @24.1V	16.8W	2060Lm	45°C	Can 12V or 24V drive

Beam Angle 120 °, Tolerance range for optical and electrical data: ±10 %.

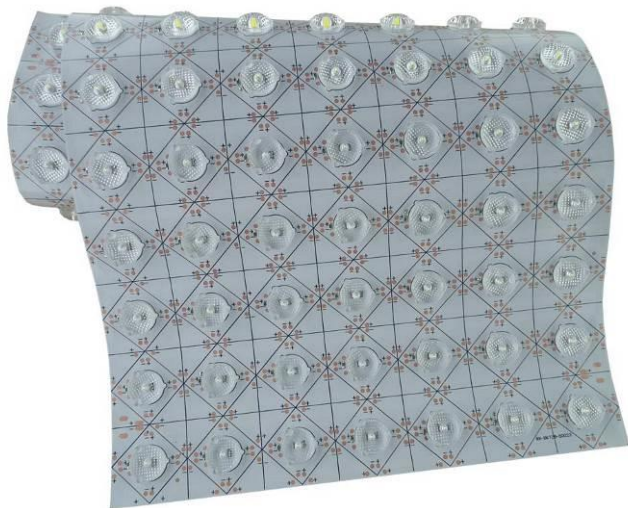
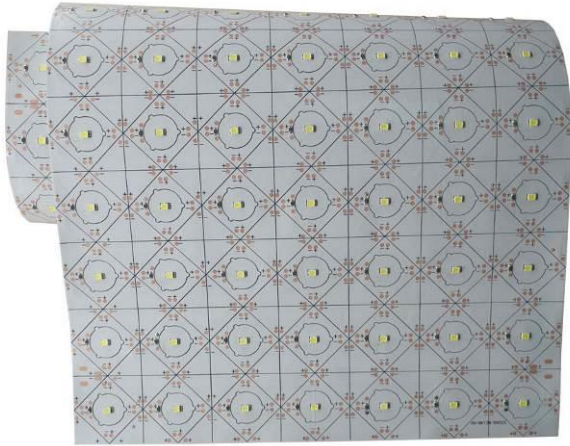
The above table data testing at room temperature is 25 °C, Cooling by free air convection.

Operating Temperature -40~50°C (T_{cp} Max85 °C)

Test LED color temperature 5800-6250K, CRI>80, (WW2800~3200K 92% brightness ; NW3800~4200K 96% brightness)

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 12V 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 ; 0.30W / LED
Input	DC12V
Interconnect connection	--
Certification	CE RoHS FCC
Life-Span	>50000hours T _c <60 °C, I =2.5A

Technical Data:

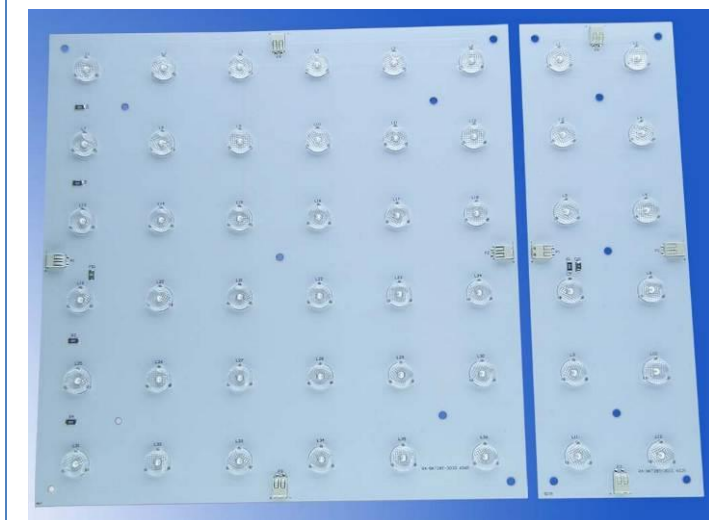
Part Number	Dimensions Net weight	LED TYPE	Input Power	Luminous flux	Efficacy	Comment
RX-BKT28-500235-12V	500x235x1mm 105LED 55g	9V SMD2835	DC12V 32W	3480Lm	108Lm/W	Test T _{cp} 45 °C Mini bend diameter 50mm
RX-BKT28-500235-24V		18V SMD2835	DC24V 32W	3480Lm	108Lm/W	Single-Sided FPC One LED Cut
RX-BKT28-500235D-12V	500x235x1mm 105LED 100g	9V SMD2835	DC12V 32W	3480Lm	108Lm/W	Test T _{cp} 45 °C Double-sided FPC
RX-BKT28T-500235D-24V	500x235x5.8mm 105LED 185g	18V SMD2835	DC24V 32W	3120Lm	98Lm/W	160° TV Lens 20mm No Hot Spots

Note: Beam characteristic 120 °(With Lens 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. LED color temperature 6000-6500K, CRI >80
 Minimum bending diameter: 50mm [RX-BKT28-500235 Series PDF](#)

*Note: Single-Sided FPC Cut LED sheet may damage the circuit must be professional and technical personnel to operate, may require additional cables.

Double-sided FPC - Cut No additional cables

LED backlight module-Slim Light Box direct type light source



[RX-BKT28T Series PDF](#)

New design
A wide angle lens

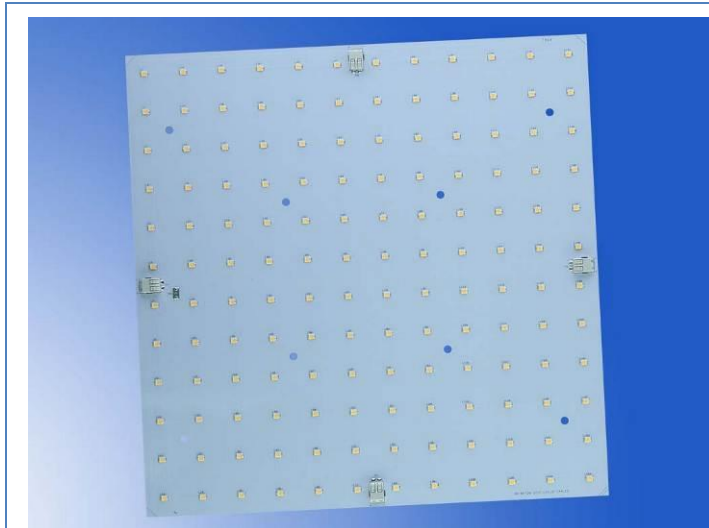
20mm No hot spots
Dedicated to Larger sizes
Ultra-slim light-box

CRI 85
Luminous efficiency
90Lm/W DC24V

Stitching Size 1.2m²
No additional
connection wires

MODEL	Brightness	Power	Comment
RX-BKT28T-3030	778Lm	8.6W	Input: DC24V 50mm LED spacing Min. Cabinet Depth* 20mm
RX-BKT28T-3010	260Lm	2.88W	
RX-BKT28T-1010	88Lm	1.44W	95W / m ² 8550Lm / m ²

Constant current driver, can be spliced in LED MCPCB!



[RX-BKT28-27xx Series](#)

Extendable LED module
High precision consistency
Constant Current Technology

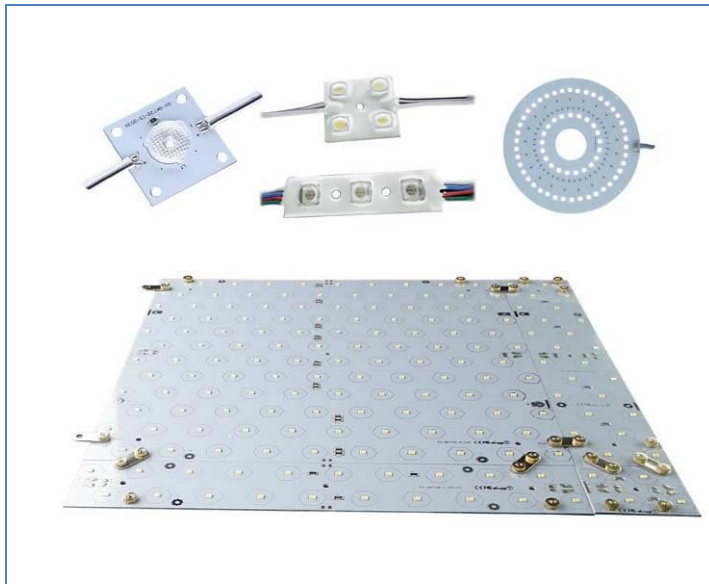
Safe and reliable
PTC Overcurrent Protection

CRI: 85
3000K/4000K/6000K

Up to 130Lm/W
@30mA/LED

MODEL	Brightness	Power	Comment
RX-BKT28-2727	3200Lm	26.7W	0.7A @38.2V 0.35A@35.5V
RX-BKT28-27045	276Lm	2.1W	0.12A @38.3V 0.06A@35.6V
RX-BKT28-27035	1700Lm	13.3W	0.35A @38V 0.175A@35.5V

LED module – 4 Size of interlocking and connectable



Stitching Size 16m²
No additional
connection wires

World first
Luminous efficiency
120Lm/W DC 24V

Waterproof
Non waterproof or IP67

Dimension
4 sizes of interlocking
and connectable

MODEL	Brightness	Power	Comment
RX-BKT28	25000Lm/ m ²	250W/ m ²	Non waterproof Limiting resistor Optional DC12V or 24V
RX-BKCC	10820Lm/ m ²	90W/ m ²	Non waterproof Built-in CC module Max stitching 16m ²
RX-CK	24Lm/LED	0.24W/LED	Wires connected Limiting resistor Small size IP67

LED bars



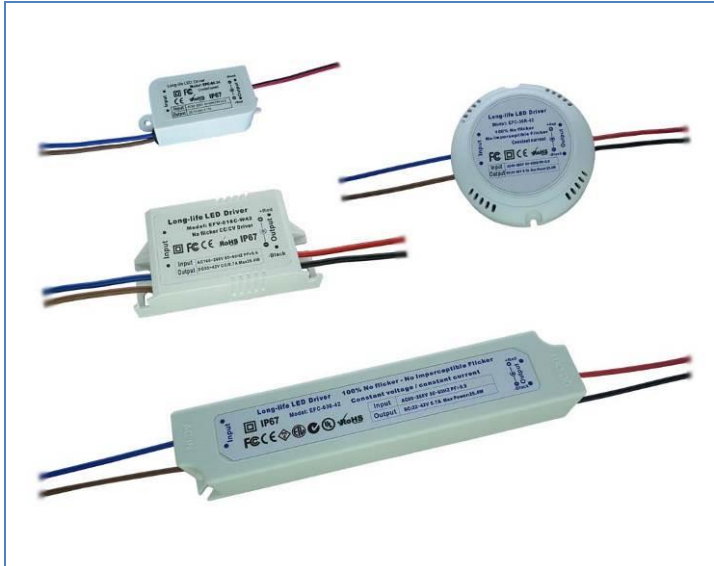
<p>CRI >85</p> <p>Waterproof IP67</p>		<p>Luminous efficiency Up to 110Lm/W DC12V</p> <p>Optional Housing H55,H06,H32,H024...</p>	
MODEL	Brightness	Power	Comment
ALA28-06V	1800Lm	18W 1200mm	LED counter lamp
ALA28-32V	1530Lm	18W 1200mm	With Lampshade
ALA50-16U-H55	1580Lm	15.8W 1200mm	IP65 or IP68
ALA50-16U-H32	1560Lm	15.6W 1200mm	IP65 or IP68 Non Lampshade
ALA50-16U-CC	800Lm	6.8W 600mm	IP65 or IP8 Built-in CC module

LED tubes



<p>CRI >85</p> <p>Waterproof IP67</p>		<p>Luminous efficiency 100Lm/W</p> <p>Real Long-life Rubycon long-life capacitors</p>	
MODEL	Brightness	Power	Comment
RX-15T28	1520Lm	18W 1200mm	Ø16mm DC12V IP67
RX-16T28	1520Lm	18W 1200mm	Ø16mm DC12V IP67
RX-15T50-16CC	680Lm	6.8W 600mm	Ø16mm DC12~24V IP67 Built-in CC module
RX-20T16-50-24V	1320Lm	15.8W 1150mm	Ø20mm DC24V IP67 Series connection 10m
RX-T8	1800Lm	18W	AC Input No flicker

LED drivers



<p>No flicker No Visible Flicker No Imperceptible Flicker</p> <p>Waterproof IP67</p>		<p>PI or Iwatt chip Meet certification</p> <p>Real Long-life Rubycon long-life capacitors...</p>	
MODEL	Dimension	Power	Comment
EFV-018	59x40x22mm	18W	Constant voltage supply
EFC-30	139x29x21.2mm	30W PF0.9	CC / CV supply
EFC-09	65x32x22.6mm	9~10W	CC / CV supply
EFC-022	208x20x13.8mm	22W	Constant current supply
EFV-018C	59x40x22mm	15~30W	CC / CV supply

LED flexible strips - Not only for decorative outline but also used for the main lighting system.



World's only use

top-SMD LED

World's smallest LED

strips 3x2mm

Luminous efficiency

100Lm/W DC12V

Non waterproof

MODEL	Brightness	Power	Comment
RX-LED24M	240Lm/480mm	3.8W/480mm	3x2mm SMD1206
RX-FPC10-3528	400Lm/480mm	3.8W/480mm	3x2mm SMD3528
RX-FPC5050-16	1400Lm / m	14W / m	10x2mm SMD5050
RX-LED3528-16	500Lm / m	4.8W / m	8x2mm SMD3528
RX-FPC3528-8	1000Lm / m	9.6W / m	8x2mm SMD3528
RX-FPC2835-16	1400Lm / m	14W / m	10x2mm SMD2835

If more than nominal length, power, brightness will be reduced.

LED Controller / LED dimmers / LED PWM Amplifier



Low voltage DC

safe and reliable.

More models

are not listed

PWM Controller

MODEL	Power	Input	Comment
RX-DM-C01-1T	5A	DC12~24V	FR Dimmers
RX-DM-IR8A	8A	DC12~24V	IR Dimmers
RX-RGB-28K	2Ax3CH	DC12~24V	RGB Controllers
RX-CDA-02	8Ax3CH	DC12~24V	PWM Amplifier
RX-DM8A	8A	DC12~24V	Dimmers