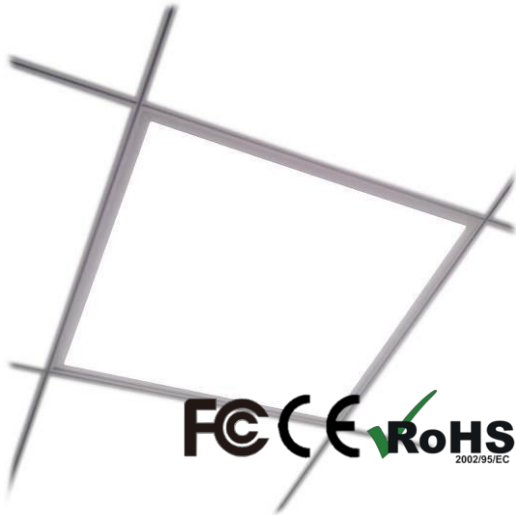


**Description:** RX-FB28 Series direct type LED panel lights, the world's thinnest 28mm built-in LED driver, presents excellent light uniformity. Specifically optimized design for solve the problem of Invisible or Imperceptible Flicker, Protect your eyes - No flicker! High power High lumen, Apply to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



### 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

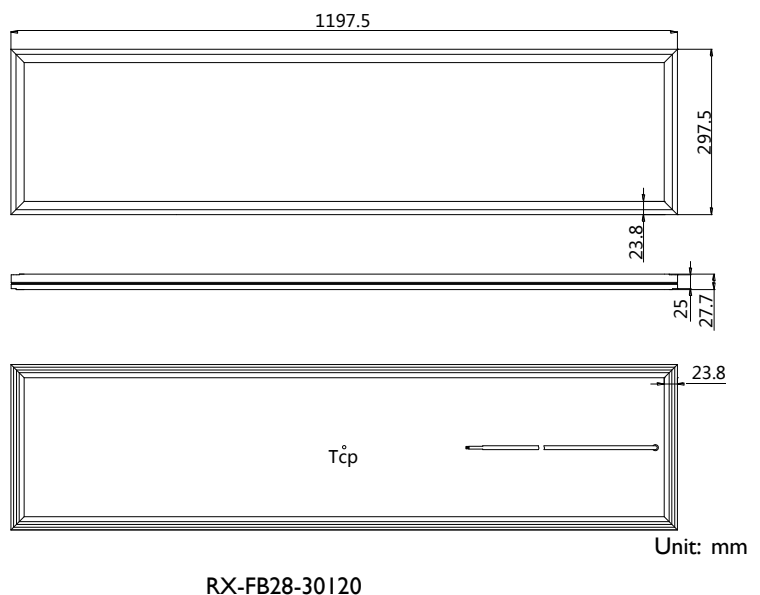
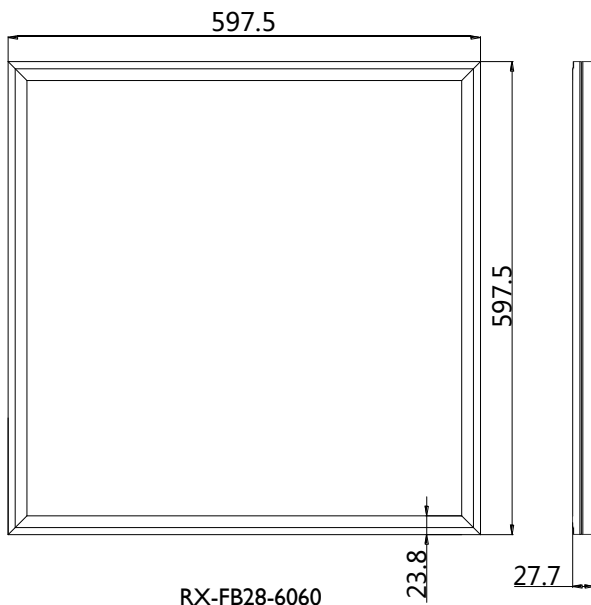
High efficiency 90Lm/W

### PC light diffusion

Uniform light emitting no dark zone

Application specs	
Optional Brightness	5000Lm @ 60W (8100Lm @90W)
Default Colors	CW5800~6500K
Other colors	WW2800~3200K NW3800~4250K
CRI	> 80
Protection Rating	IP40
Operating Temperature	Ta -30~50°C T <sub>cp</sub> Max 70°C
Electrical specs	
Power	60W(297x1197mm) 90W(597x597mm)
Input	AC100~240V PF>0.9
Warranty	3 years
Rated Life	>50000hours T <sub>c</sub> < 60°C
Certification	CE RoHS FCC

### Dimension



Technical Data: Built-in driver TYPE

MODEL	LED Panel		LED Drivers		Total Power Luminous flux	Tcp Test	Comment
	Specifications	LED QTY	Model	Specifications			
RX-FB28T-6060	597x597x28mm 4KG	SMD2835 0.5W 3V 35 ILED	Built-in drivers	EFC-30L 3pcs AC100~240V PF>0.9 2.1A @ 39V	<b>90W</b> 8100Lm	38°C	Optional 120W customized
RX-FB28T-30120	297x1197x28mm 4KG	SMD2835 0.2W 6V 336LED	Built-in drivers	EFC-30L x2pcs AC100~240V PF>0.9 1.4A @ 36V	<b>60W</b> 5000Lm	36°C	Optional 120W customized

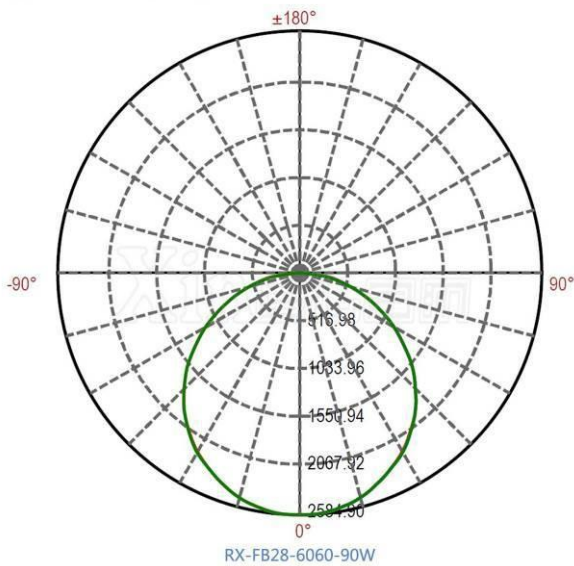
Beam characteristic 120°, Tolerance range for optical and electrica data: ±10 %.

The above table data testing at room temperature is 25 °C, Cooling by free air convection. (Max Tcp 70 °C)

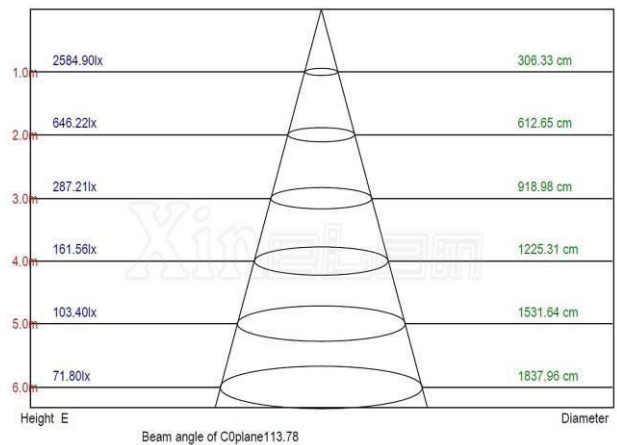
Test LED color temperature 5800-6250K, CRI: >80, (VW2800~3200K 92% brightness ; NW3800~4200K 96% brightness)

### Photometric data

Light Distribution Curve [Unit: cd]



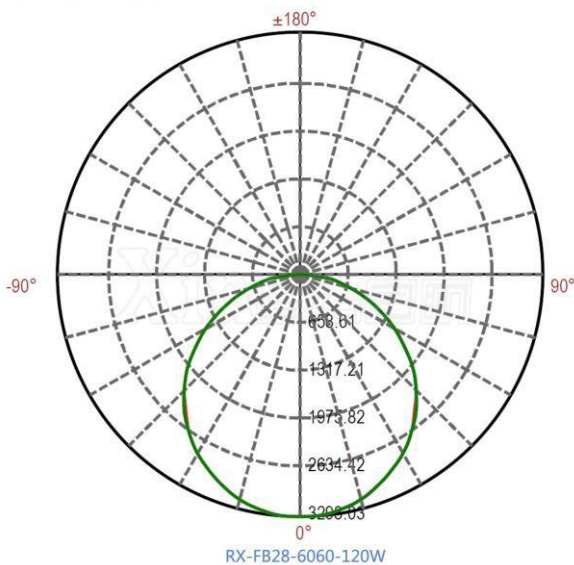
Lux distance Curve



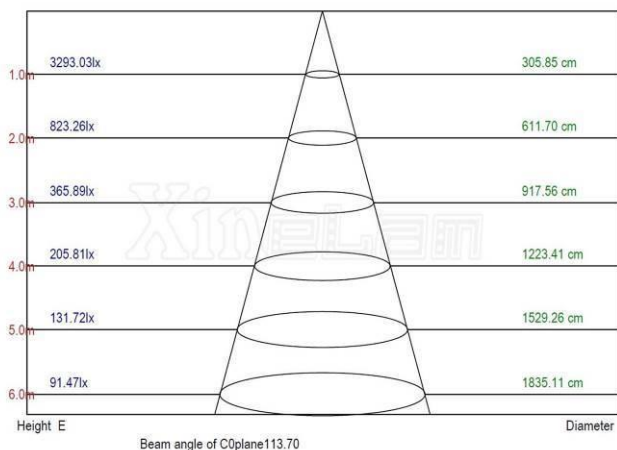
RX-FB28-6060-90W

Photometrics Test Data: [RX-FB28-6060-90W](#)

Light Distribution Curve [Unit: cd]



Lux distance Curve



RX-FB28-6060-120W

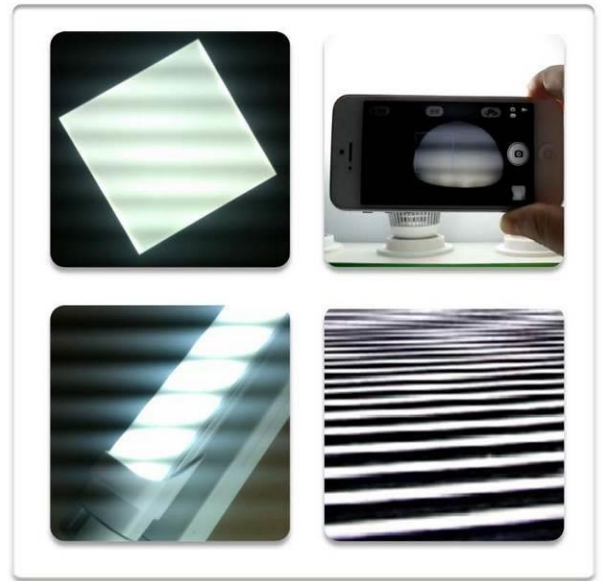
Photometrics Test Data: [RX-FB28-6060-120W](#)

**XineLam direct-panel lights advantages:**

1, No Flicker - Invisible or Imperceptible flicker, be harmful for health; light-headed Visual fatigue caused by myopia



**VS**



Pure natural light - No Visible and Imperceptible Flicker

100/120Hz Flicker

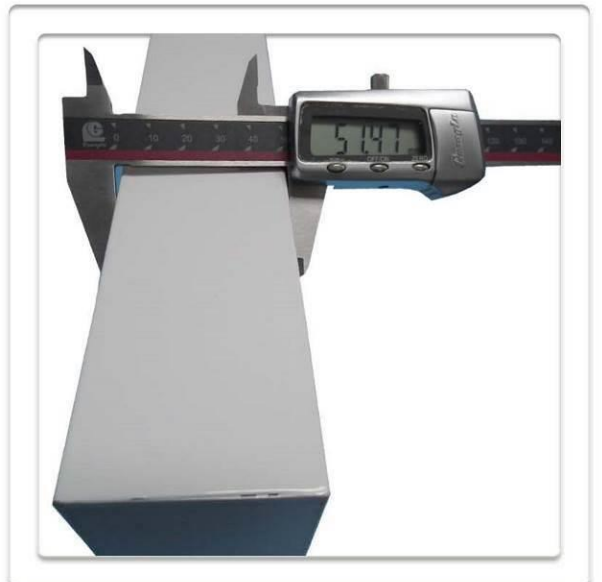
P.S.: Invisible or Imperceptible Flicker:

Flicker that is not consciously perceivable by a human viewer. The effects of flicker can range from decreased visual performance to non-specific malaise to the onset of some forms of epilepsy. (Maddocks et al., 2001), (Evans et al., 2006). Take out your camera or mobile phone with a camera function, close-up shots lamp light source, less than 30cm (high brightness point light source is required to use the lampshade diffusion cover), flicker the lamps will show blinds or appear regularly stripes. According: [IEEE1789](http://www.ieee.org/standards/publications/789)

2, Ultra-Slim 28mm - World's thinnest direct-panel lights / Built-in high-quality LED drivers (Easy to install)



**VS**



2.8cm - Clever design, To achieve the ultimate  
Uniform light without dark areas,  
Built-in high-quality LED drivers

- No 12cm
- No 7cm
- No 5cm
- No 4.5cm

The new design, the thickness is only 28mm; thickness of other similar products 40-150mm;

Also has the following advantages: Border Width 23.8mm, Large light-emitting surface; Light uniformity, No dark areas, No bright line, No brightened dot, But also a built-in LED drivers

3, High brightness 8100Lm High Power 90W(600x600mm), High CRI> 80, Efficiency Up to 90Lm / W



600x600mm 90W 8100Lm  
300x1200mm 60W 5000Lm

Including LED driver power consumption

**VS**



Related Products Only 40W 600x600mm  
The international famous brand: Philips

50% energy saving compared to T5 lamps TPS760  
14% energy saving compared to SmartPanel RC I 60V 78Lm/W

4, Safe and Reliable - EMC, EMI, LVD, Meet certification requirements of all countries !



External power supply

Built-in power supply

Built-in power supply  
External power supply

**AND**

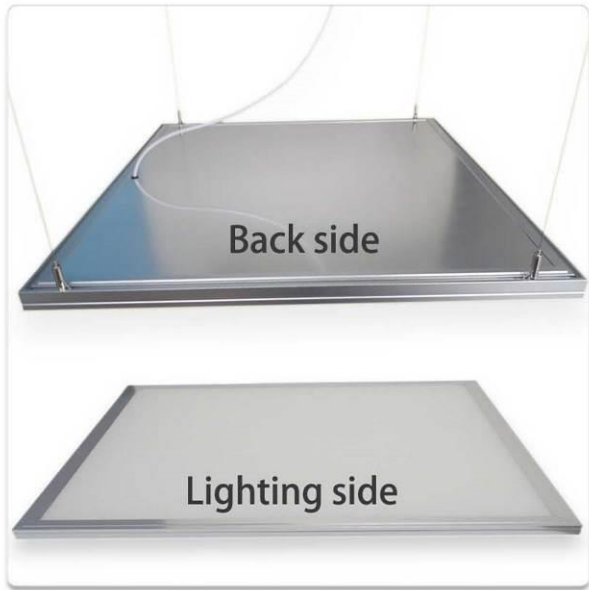


Reliable grounding wire, High temperature silicone adhesive fixed  
LED driver

4000V HI-POT TEST

Isolation LED power supply, safety components, one less, fuse, varistors, the common mode inductance, Y capacitors, X capacitors. International top professional power chip, long life capacitors!

5, New design - Patented product, Contracted but not simple, Golden ratio lines, No backplate screws



**AND**



Suspended installation

Emitting surface side Back side

Golden ratio lines Frame Structures & Different Finishings

Recessed installation

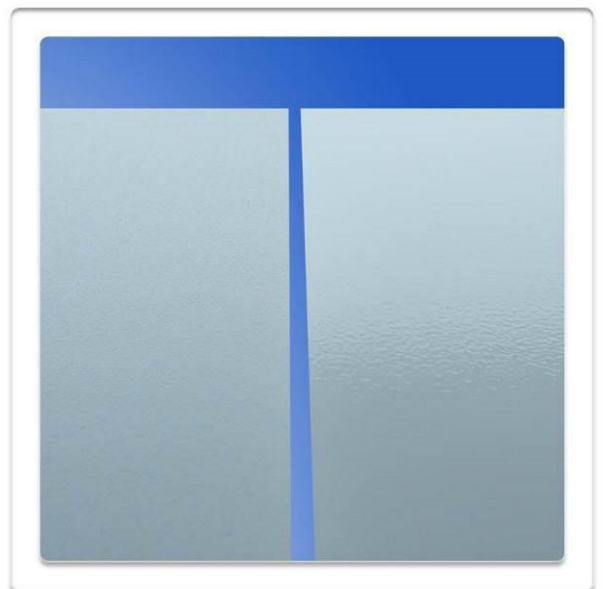
Very easy to install, only need to connect 3 wires

New design - Patented product, Contracted but not simple, Golden ratio lines, No backplate screws

6, Long life - Full high thermal conductivity MCPCB + High quality PC diffusion plate



**AND**



Low temperature rise to long life

Low temperature rise < 15 °C

Long life - Full high thermal conductivity MCPCB + Long life LED driver + Aviation aluminum

High quality PC diffusion plate - Uniform light without dark, No glare

Bright surface and Fog face- Better light diffusion

No Polystyrene No PMMA(acrylic)

7, XineLam all products, 3-year warranty; you can also apply for 5-year warranty. High quality can really guarantee!

**External driver TYPE**

MODEL	LED Panel		LED Drivers		Total Power Luminous flux	T <sub>cp</sub> Test	Comment
	Specifications	LED QTY	Model	Specifications			
RX-FB28T-6060-K1	597x597x28mm Max:168W 4A@ 36-42V	SMD2835 0.5W 351LED	HLN-80H-42	AC100~240V PF>0.9 1.96A @ 39V	<b>90W</b> 8100Lm	38°C	External power supply High brightness 90Lm/W
RX-FB28T-30120-K1	1197x297x28mm Max:68W 1.7A@ 36-40V	SMD2835 0.2W 336LED	HLN-60-36A	AC100~240V PF>0.9 1.6A @ 36.5V	<b>66W</b> 5600Lm	36°C	External power supply High brightness 5600Lm

Beam characteristic 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. Test T<sub>cp</sub> 45°C @ 2A (Max T<sub>cp</sub> 70°C)

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

**LED panel Light source (Without LED drivers)**

Part Number	Size Net weight	LED Module	Test Current	Forward Voltage Typ	Luminous flux Typ	Power Typ	Efficacy Typ	T <sub>cp</sub> Test	Comment
RX-FB28T-6060-S	597x597x28mm 2.4Kg	351LED TV Lens 0.5W 3V 558x558mm	1.4A	38V	5800Lm	53W	110Lm/W	36°C	High efficiency
			2A	39V	8100Lm	78W	104Lm/w	38°C	High efficiency
			4A	41V	15600Lm	164W	95Lm/W	48°C	High brightness
RX-FB28T-30120-S	1197x297x28mm 2.4Kg	336LED TV Lens 0.2W 6V 1158x258mm	0.7A	35.7V	2700Lm	25W	108Lm/W	35°C	High efficiency
			1A	36V	3600Lm	36W	100Lm/w	36°C	High efficiency
			1.7A	37V	5900Lm	63W	95Lm/W	39°C	High brightness

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

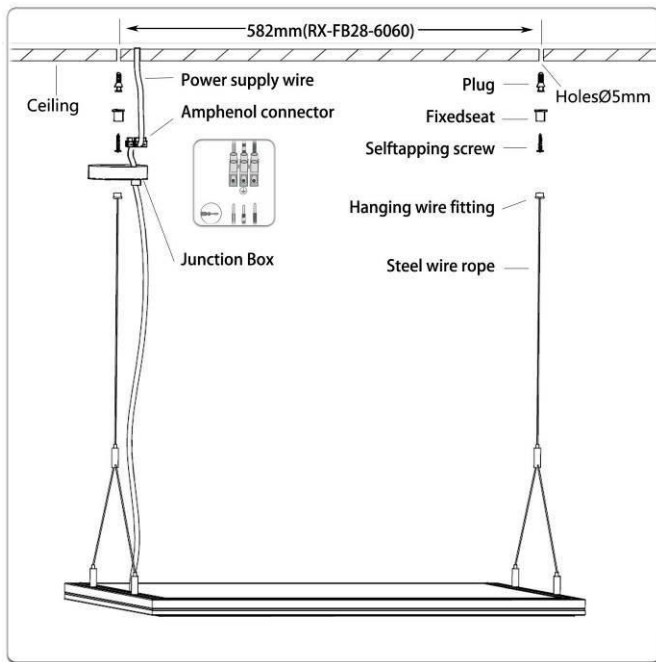
The above table data testing at room temperature is 25°C, Cooling by free air convection. LED color temperature 6000-6500K, CRI >80,

Main materials: Aluminum, MCPCB, LED, Lens, Wire, PC diffuser plate.



Installation diagram:

**1, Suspension Mounting - Suspended Types**



Need only drill 2 holes.

**2, Recessed Mounting - Recessed types**



Only need to connect the wires ( L N GND )

Indoor use only

Do not open – no user serviceable parts inside

**CAUTION:**

**Safety Information**

1. The luminaire shall be installed by a qualified electrician and wired in accordance with the latest IEE electrical regulations or the national requirements.
2. The luminaire shall, under no circumstance, be covered with thermal insulation matting or similar material.
3. When cleaning the product, please use dry soft cottoncloth only.
4. The LED panel itself and all its components may not be mechanically stressed.