

Description: RX-ALF3528-**- KD20 waterproof LED panel , use of ultra-efficient LED, luminous efficiency of more than 110LM / W, Than the traditional fluorescent backlight tube for more than 65% energy saving. High Power Factor (>0.95) TRIAC Dimmable, Compared to ordinary LED panel, 3 to 5 times higher luminance, higher luminous efficiency of 30%. Also has a thin 3.5mm, low temperature rise, waterproof IP67, long-life, etc. Is the world's most efficient lighting systems in the world. Apply to offices, shopping malls, railway stations, airport lighting, home aquariums and other lighting decorations. Especially recommended for advertising light boxes backlight.



Features:

1. With the world's top LED, luminous efficiency of more than 110LM / W
2. Long life and high efficiency, high power factor power supply >0.95
3. TRIAC dimmer compatible (including low cost leading edge type), Consistent dimming performance unit to unit, no output blinking, instant star
4. Waterproof design, waterproof grade IP67
5. Look beautiful, ultra-thin thickness of 3.5mm
6. Full aluminum board cooling, low temperature experiments
7. Long life: ≥50000hrs.
8. China Patent No.: ZL200820131053, ZL200820132702

Applications:

1. Backlit indoor and outdoor advertising light box
2. Subway, railway stations, shopping malls, airport lighting
3. Aquarium fish tank lighting
4. Other ideas of your own , DIY

Electronical Specifications:

Input Voltage: 175~265V , 90~135V AC 50~60Hz
 Power: See table below
 Single LED viewing angle: 120°
 Ra-colour rendering index: Ra >80
 Available colors: white, warm white
 LED aluminum panel Input wire: 5.5mm DC plug cable 50cm
 ※LED driver power output cable: 5.5x2.1mm DC jack and plug, Center positive for stock. Or tailor-made

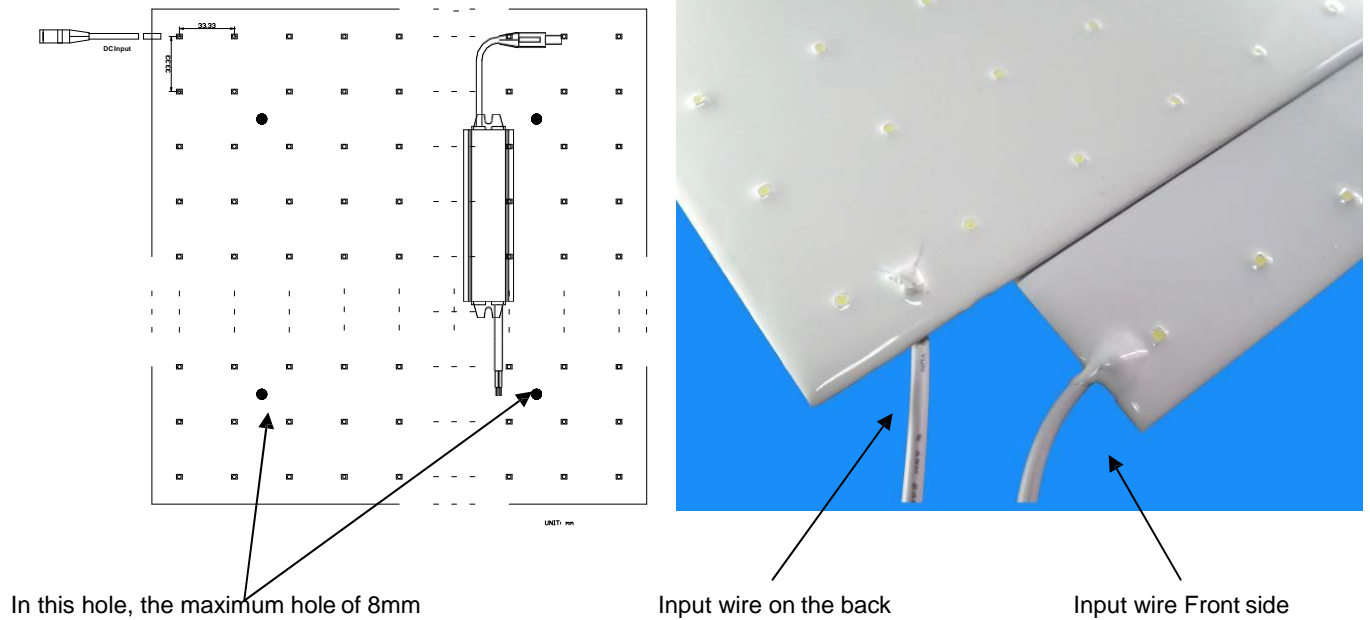
Mechanical Specifications:

LED panel Main Material: Aluminum, Modified Epoxy, LED
 LED panel Thickness : 3.5mm-
 LED panel Weight: 2KG / 600 x 600mm 0.5KG/300x300mm
 LED driver Dimensions(L x W x H) :108x30x23.5mm
 LED driver Weight: 160g
 Operating Temperature: -20℃~50℃
 Standard input wires in front of, Optional Behind the input wires

MODEL	LED panel Dimensions (W X L)	luminous flux <u>Lumen</u>	Minimum illumination <u>Lux</u>				Luminaire efficiency <u>LM / W</u>	LED Drivers	INPUT (ACV)	Power/PFC
			Distance 6cm	Distance 1M	Distance 2M	Distance 3M				
RX-ALF3528-16-KD20 LED spacing 16mm	30X30cm	2200	12500	480	136	65	92Lm/W	EFC-020	175V~265V Or 90V~130V	24W/0.96
RX-ALF3528-30-KD20 LED spacing 30mm	54x54cm	2180	4100	465	138	66	91Lm/W			24W/0.96
RX-ALF3528-33-KD20 LED spacing 33mm	60X60cm	2160	3680	430	136	65	90Lm/W			24W/0.96
Philips Grill with shade 3x18W	60X60cm		3650	445	165	69				64W/0.42
Philips Grill 3x18W Without shade	60X60cm		3300/10cm	430	128	60				64W/0.42

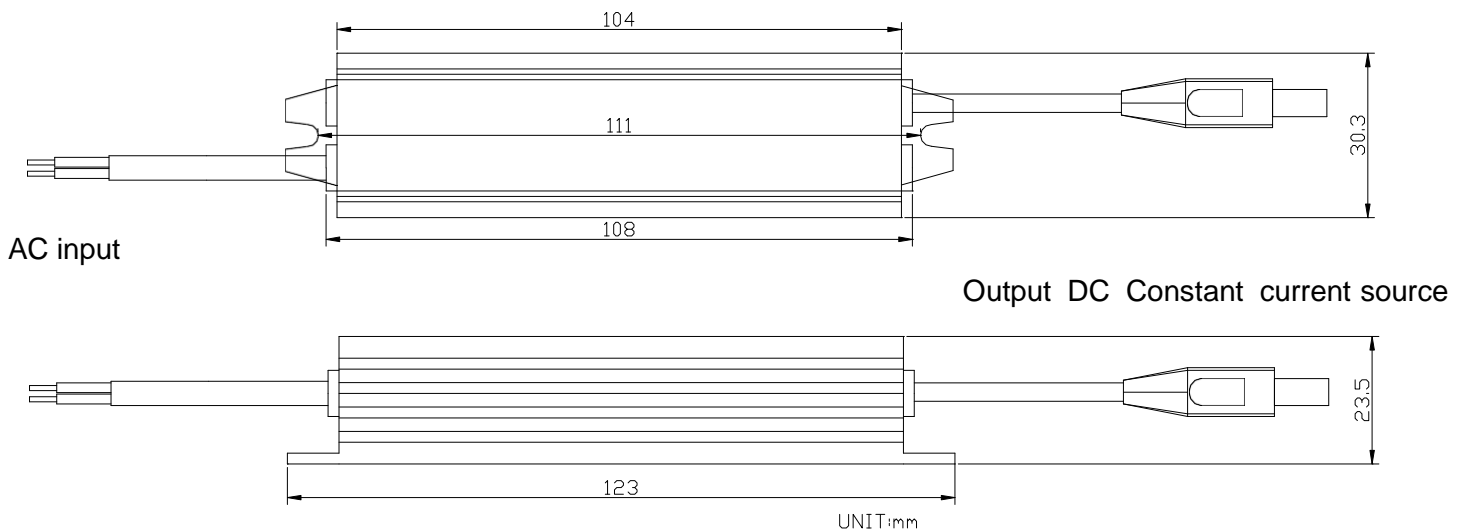
Note: The above table data test at room temperature is 25 °C, Test input voltage 230V AC 50HZ, Test LED power output line as a standard 18AWG wire plug 20cm.

Dimension



Note: Our standard is four 6mm holes, Input wire Front side lenth 50cm(5.5x2.1mm plug), Can also be customized

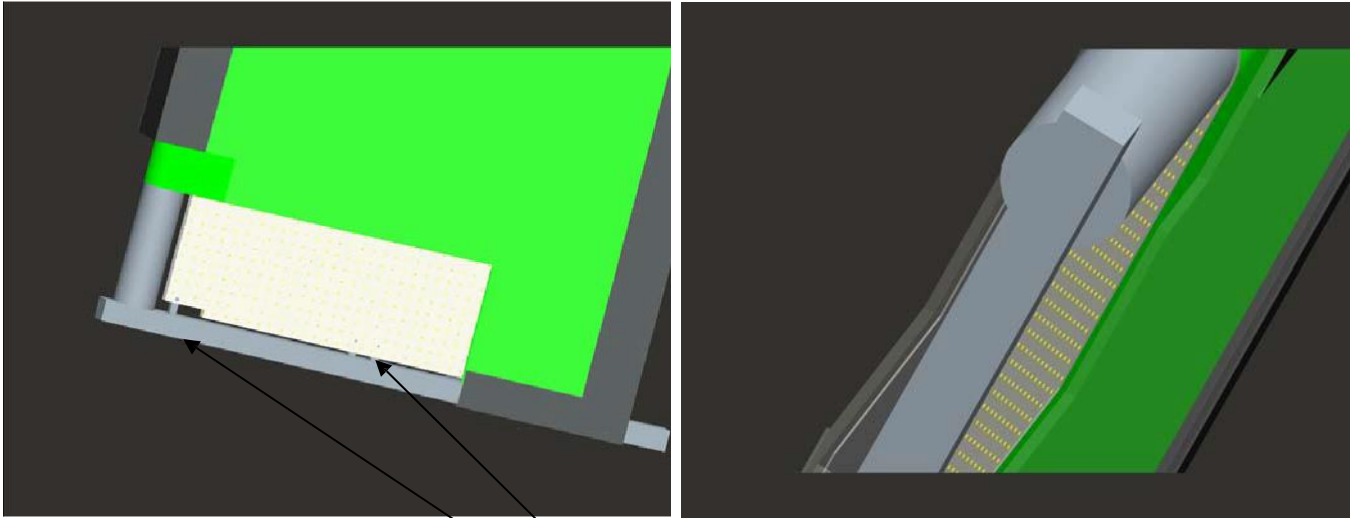
LED driver dimension



EFC-020 TYPE B

Input wire length 20cm (Can choose to AC plug wire); Output DC jack wire length 20cm(5.5x2.1mm)

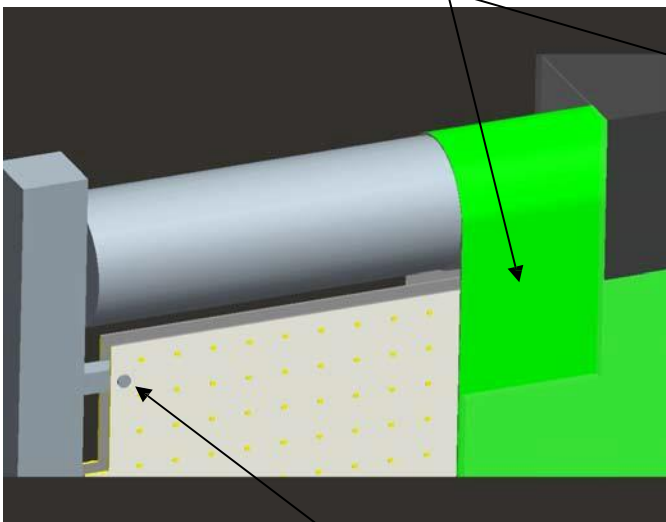
Advertising backlight installation diagram



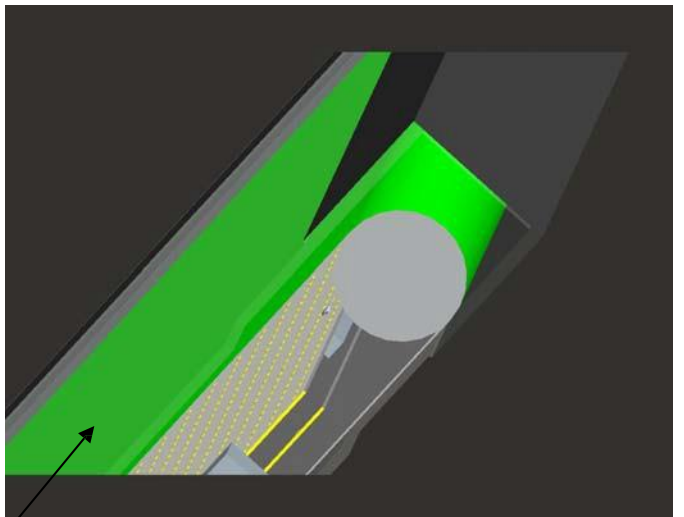
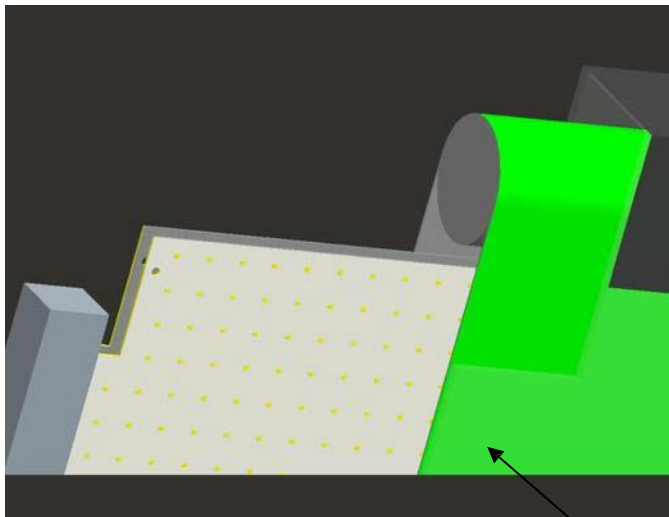
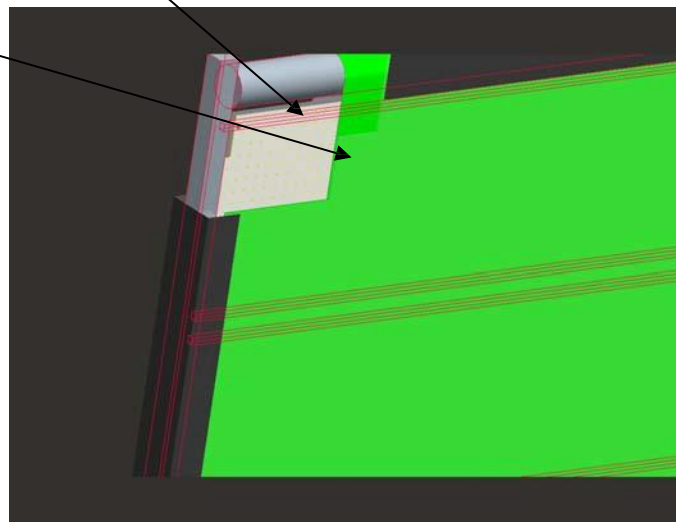
Advertising light box frame

Advertising Print Plan - Light box advertising paper -light box covering fabric

Relative distance 5cm, to light evenly



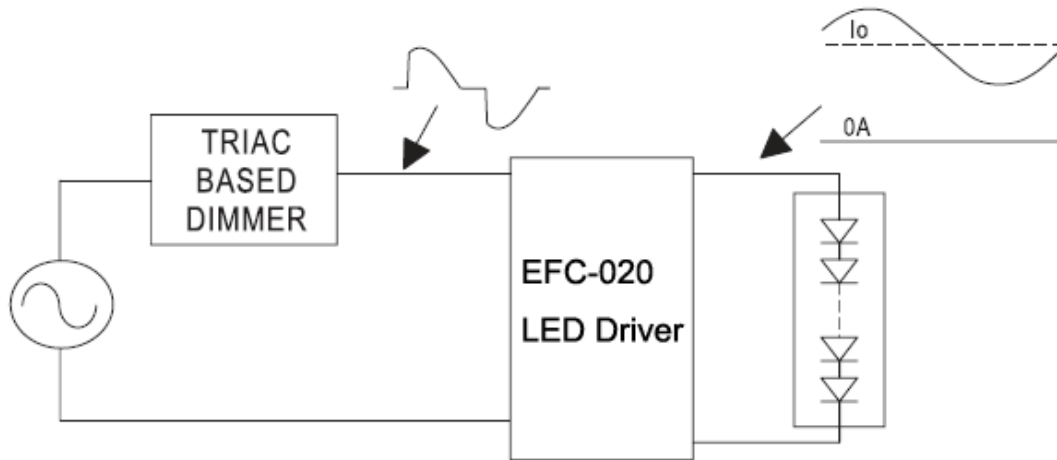
Screw



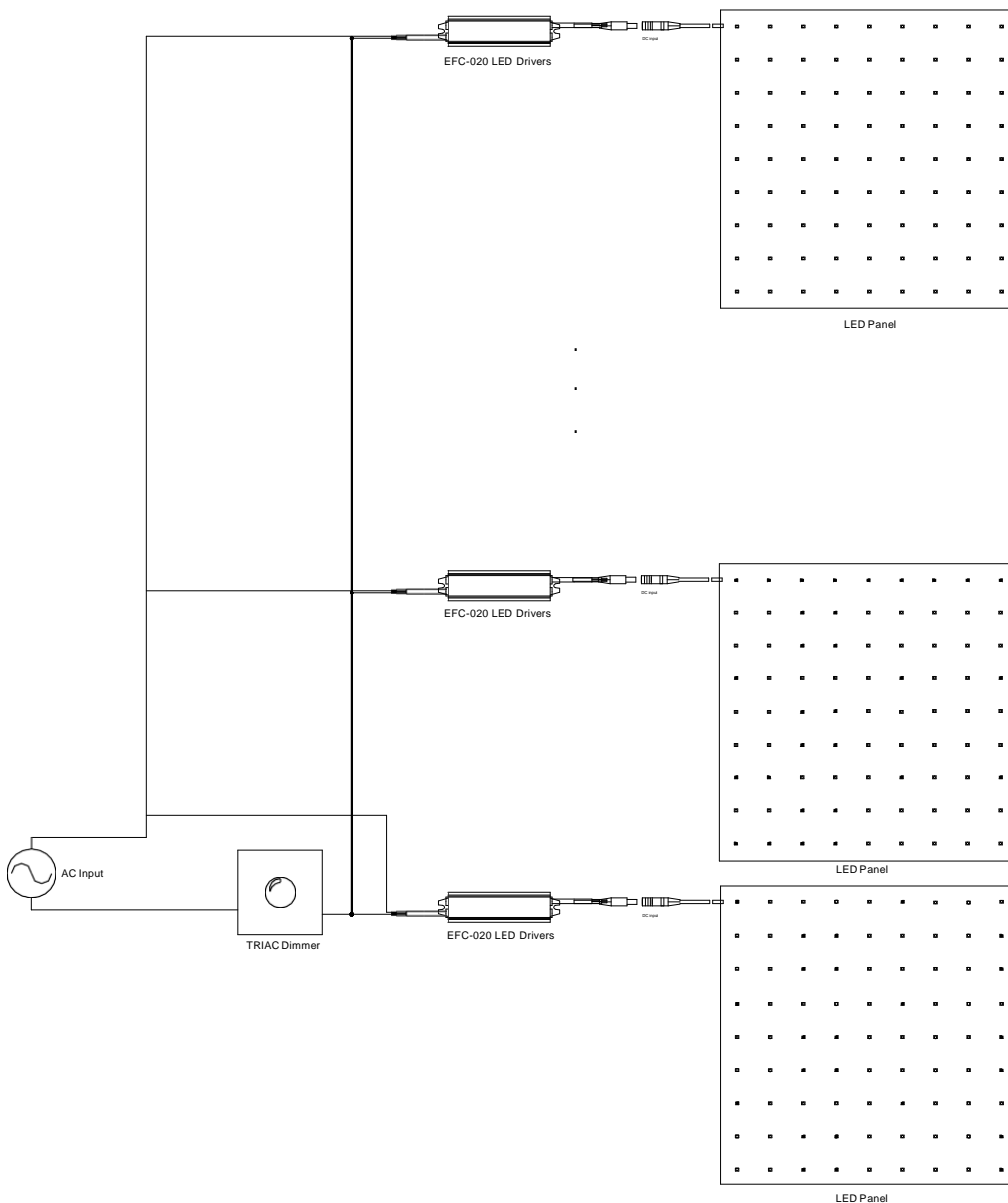
transparent plate

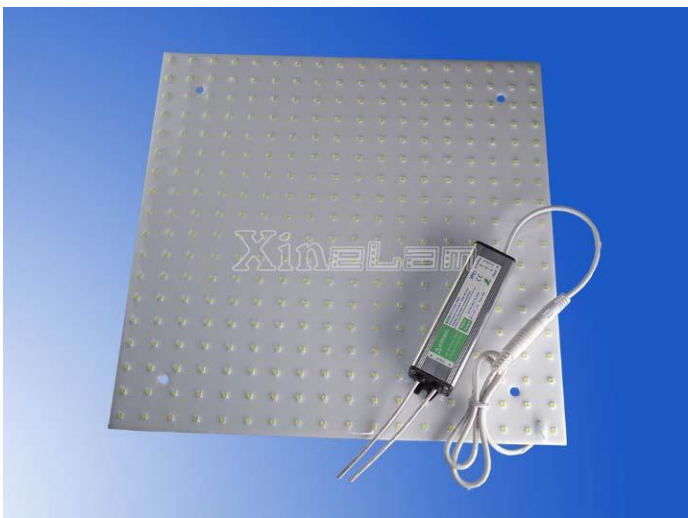

Note: Our only produce LED panel KIT, the picture above for reference purposes only!

Dimming connection diagram



Consistent dimming performance unit to unit - Dimming can be a large area simultaneously



	
<p>RX-ALF3528-16-KD20</p>	<p>Free heat-shrinkable tube (waterproof IP67) You can also choose to waterproof plug (with a minimum order requirement)</p>

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 is 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 not be used as support, you need fixed in the frame, fixed to the wall, otherwise, may cause Deformation.

Dimmer Compatibility Chart:

place of production/Manufacturer	MODEL
Taiwan/ SG Electric	XH004186
Taiwan	D-2160B
Taiwan	Y-25082A
Taiwan	Y-25088A
Taiwan	WS-5005
USA/ Leviton	OB4911



LED panel KIT - dedicated backlight for light box , Professional light source
Waterproof, high efficiency, high power factor, dimming compatible with TRIAC

MODEL: RX-ALF3528-***KD

Http: www.xinelam.com

USA / Lutron	GLR11-F38875
Italy	RTS34DLI
China / CLIPMEI	
China / MANK	MK/TG100001
China / SB Electric	BM2
China / TCL	L2.0
China / Myongbo	
China / EBAHuang	
China / KBE	
LUTRON	SKYLARK SF-12P-277
JUNG	Licht-Management 225 TMD
BERKER	Tronic-Drehdimmer 286710