

Product introduction

The LED intelligent driver is one of the products of Xiaolei Intelligent Lighting System, which is suitable for home lighting. It is stepless dimming, flicker free and achieve high frequency exemption assessment level. Supporting multi control methods to different application. Working with gateway to realize APP control, smart voice control, scene control and timing control. And it also can work with the remote, wall switch and wireless dimming panel control to meet different application requirement.



Flicker-free
Achieve high frequency exemption assessment level.

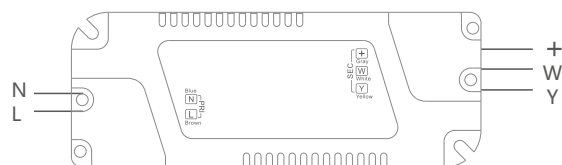


DIM / CT adjustment

Product parameters

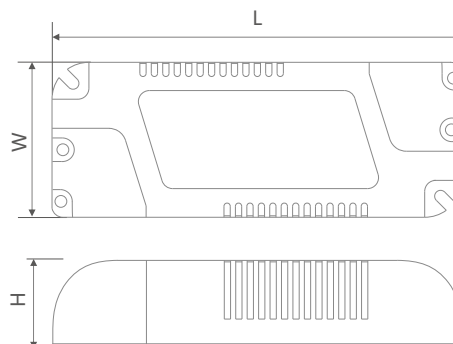
Model		DCE-24-280-H2R	DCE-36-280-H2R	DCE-48-560-H2R	DCE-54-280-H2R	DCE-80-560-H2R	
OUTPUT	Output Voltage	60-85Vdc	90-128Vdc	65-90Vdc	135-185Vdc	115-135Vdc	
	Max Output Voltage	93Vdc	136Vdc	93Vdc	189Vdc	141Vdc	
	Output Current	Max. 280mA	Max. 280mA	Max. 560mA	Max. 280mA	Max. 560mA	
	Dimming Range:	0~100%, dimming depth 1%					
	Strobe Level	High frequency exemption assessment level.					
	Current Accuracy	±5%					
	Ripple & Noise	≤2V					
	PWM Frequency	≥3600Hz					
INPUT	Dimming Interface	RF 2.4GHz					
	Input Voltage	200-240Vac, 240-300Vdc					
	Frequency	0/50/60Hz					
	Rated Power	18W~24W	27W~36W	40W~48W	45W~54W	72W~80W	
	Input Current	Max. 0.23A	Max. 0.37A	Max. 0.5A		Max. 0.65A	
	Efficiency[typ.]	88%		88%	90%	92%	
	Inrush Current[typ.]	Cold start 30A at 230Vac (twidth=380μs measured at 50% Ipeak)	Cold start 35A at 230Vac (twidth=380μs measured at 50% Ipeak)	Cold start 50A at 230Vac (twidth=360μs measured at 50% Ipeak)	Cold start 50A at 230Vac (twidth=376μs measured at 50% Ipeak)	Cold start 41.6A at 230Vac (twidth=344μs measured at 50% Ipeak)	
	Anti Surge	L-N: 1kV					
	Leakage Current	<0.24mA/230Vac					
ENVIRONMENT	Working Temperature	ta: -20℃ ~ 50℃ tc: 75℃					
	Working Humidity	20 ~ 95%RH, non-condensing					
	Storage Temp., Humidity	-40℃ ~ 80℃, 10~95%RH					
	Temp. Coefficient	±0.03%/℃ (0-50℃)					
	Vibration	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.					
PROTECTION	Over-heat Protection	-		Shut down the output when PCB temp.≥110℃, auto recovers		Shut down the output when PCB temp.≥110℃, auto recovers when temp. back to normal and power again.	
	Over Load Protection	Shut down the output when current load≥102%, auto recovers.					
	Over Voltage Protection:	Shut down the output if no load, auto recovers.					
	Short Circuit Protection	-		Shut down automatically if short circuit occurs, auto recovers.			
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750Vac					
	Isolation Resistance	I/P-O/P: 100MΩ/500VDC/25℃/70%RH					
	Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13					
	Strobe Test Standard	IEEE-PAR 1789					
OTHERS	Dimension	111×42×24mm(L×W×H)		132×45×24mm(L×W×H)		168×47×32mm(L×W×H)	
	Packing	113×44×26mm(L×W×H)		134×47×26mm(L×W×H)		170×49×34mm(L×W×H)	
	Weight(G.W.)	100g±10g		110g±10g		175g±10g	

Terminals

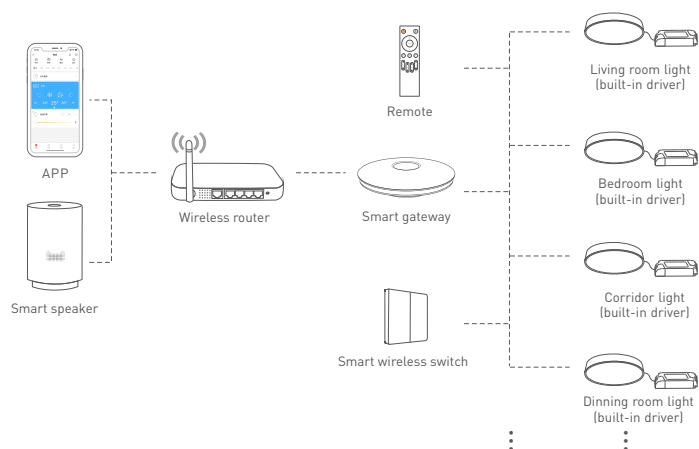


Dimensions

Unit: mm



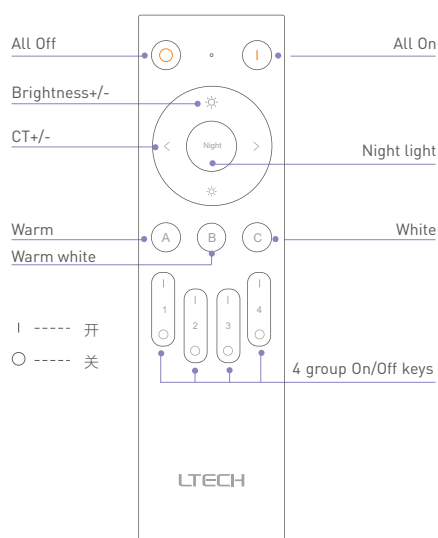
System diagram



Multiple control mode

1. Remote + Driver + Lamp
2. Smart wireless switch + Driver + Lamp
3. App + Gateway + Human body sensor + Driver + Lamp
4. App + Gateway + Driver + Lamp
5. Smart speaker + Gateway + Driver + Lamp

Remote



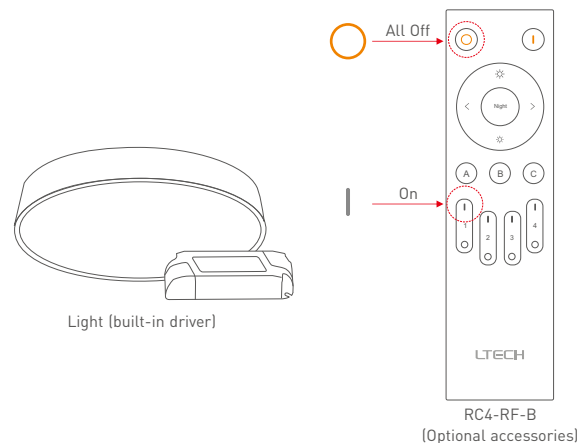
Match code and clear code

Match code:

After the light is power off for about 10s, long press the matching zone's "On" key on the remote, meanwhile the driver power on. If the lights flicker 3 times, release the "On" key. Match successfully.

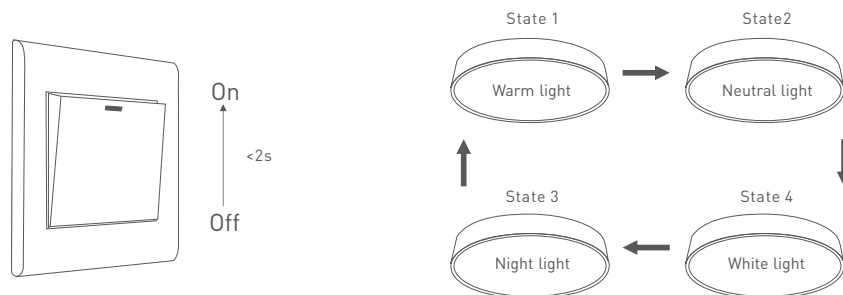
Clear code:

After the light is power off for about 10s, long press the matching zone's "All Off" key on the remote, meanwhile the driver power on. If the lights flicker 3 times, release the "All Off" key. Match successfully.



Wall switch operation method

4 types of lighting state can be switched via wall switch to turn on/off power. If over 6 seconds, will switch from State 1.



Operation method

This product can be used with gateway, smart wireless switch, etc.
For the specific operation method, please refer to the instruction manual of the relevant product.

*No further notice if any changes in the manual. Product function depends on the goods.
Please feel free to contact your supplier if any question.

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