EVERSTAR
Smart Wireless Technology

DATASHEET
ESWT-34-5080CDH

PRODUCT SPECIFICATION

Product description : 2.4G Wireless Air Self-inspection Sync CCT Constant Current dimming Driver

Version : 1.0

1. PRODUCT PHOTO



2. FEATURES

- Isolated power supply
- Adopt PWM technology
- High efficiency/High PF/ flicker-free
- Protected from miswire, over loading, over voltage, short circuit.
- High quality smooth dimming（1024 grades）
- With Power off memory function
- 2.4GHz wireless control, Air Self-inspection Sync control
- Compatible with Freelighting Control system, realized phone, PAD, WIFI smart control
- Applicable lamps：LED like LED panel, LED ceiling lamps, LED down light and others constant current lights
- Applicable place：Home, Shop, Hotel, Office and so on household/commercial indoor lighting
- Certification：CE/R&TTE/LVD/Rohs
- Warranty 3 years

3. DRIVER TECHNICAL PARAMETERS

Electrical Performance Test are all in 25°C±10% temperature environment, 230VAC/50HZ input		
Factor	**Index**	**32W**
Input	Voltage Range	90-264VAC
	Frequency Range	47-63Hz
	Rate Current	0.2A（full load）
	Surge Current	＜50A
	Standby Power	≤0.9W
	Overall Efficiency	85%(full load)
	Power Factor（PF）	0.93（full load）
	THD	17%
	Port	Two Wire input（L/N）
Output	unloaded Voltage	53V
	Voltage Range	18V-42VDC
	String Number	6-12 string
	Rate Current	500mA-800mA
	MAX Power	32W
	Current accuracy	±5%
	PWM Signal Output Frequency	3KHz
	Dimming Grade	1024
	Dimming Range	3-100%
	Video effect	Free-flicker
Reliability	Power Supply	Isolated Power Supply
	Working Temperature Ta	-20～45°C
	Case Max Working Temperature Tc	85°C (working temperature 45°C，Max power)
	Storage Temperature	-40～85°C (relative hnmidity 20%- 90% non-condensing)
	Life	45000 hours (25°C±10% temperature environment，230VAC input，100% LOAD)
	Warranty	3 years
Safety and EMC	Certification CE-LVD	EN61347-1、EN61347-2-13
	Electromagnetic Compatibility CE-EMC	EMI（EN55022、EN61000-3-3） EMS（EN55024、EN61000-4-2,3,4,5,6,11）
	Withstand voltage	I/P-O-P:3.75KVDC
	Insulation Resistance	≥100MΩ(in 25°C±10°C temperature environment，lower than 70% relative hnmidity，Input to output，input to ground，output to ground，apply 500VDC voltage respectively，Time is 60s)
Protection	IP	IP40
	Over Voltage Protection	Yes（lower than 53V）
	Short Circuit Protection	Yes (When short circuit enter intermittent mode，restore output automatically after short circuit remove)
Other	Wireless Control	2.4GHz
	Remote Control Distance	30m
	Memory Function	Yes
	Product G.W.	165g
	Product Size	L163*W46*H25mm
	Packing Size	L167*W50*H26mm

4. REGULAR MODEL DRIVER TECHNICAL PARAMETERS

1） regular Model Technical Parameters

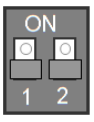
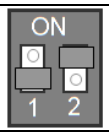
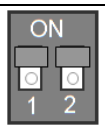
Model	Rate Power	Rate Current/CH	Voltage Range	Series LED
ESWT-34-5080CDH	34W	500mA-800mA	18-42V DC	6～12 LEDs

Remark:other technical parameter please contact us.

5. PORT INSTRUCTION



DIP switch & current

500mA	600mA	700mA	800mA
			

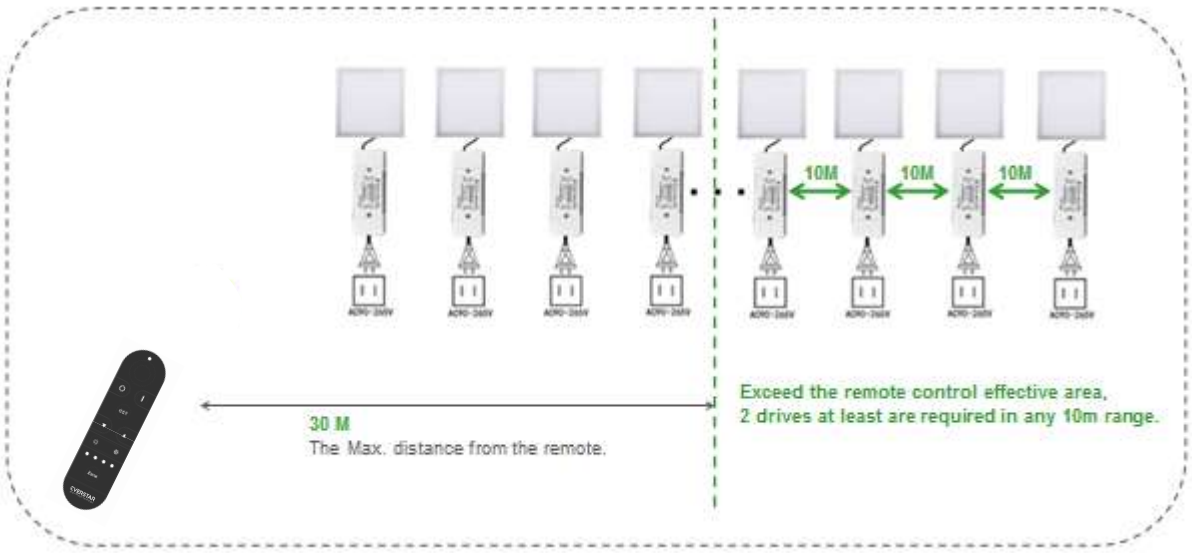
6. PRODUCT COMPATIBILITY（APPLICABLE FOR REMOTE）

Model：ES-CCT-2.4G (Multi-zone)	Model：ES-CCT-2.4G-4B (Multi-zone)
	
Model：WI FI (Coollight SYSTEM)	
	

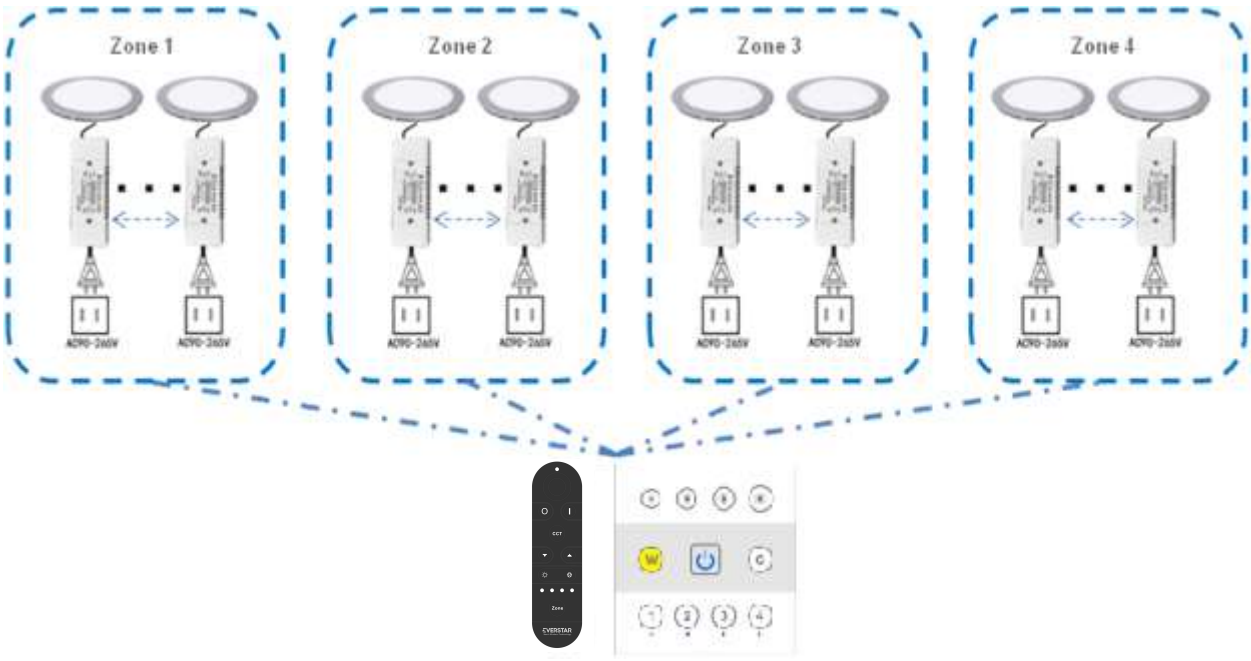
7. TYPICAL APPLICATION

1) Compatible with a variety of models of remote control at the same time, could be matched according to project situation

2） Air Self-inspection Sync control not only make the product more advantaged than similar product in wireless sync function, but also make 1 remote controller out of limitation of remote control distance, theoretically achieve controlling numerous drivers wireless connection sync control function.



(3) 4 zones remote typical application, multi drivers could be controlled in each zone. 4 zone could be respectively and allover controlled.



8. TIPS:

1） If the lamp turned off by remote control, it also can restart the lamp directly by the AC power switch(No-flicker driver need to restart after turn off the power switch and discharge for 5s.

2）If the lamp is light up without any operation in 167 hours, the driver will turn off the lamp automatically. It will recount the time if there is any operation from power switch or remote control.

3）Each driver can save unique RF codes(for remote control) and unique wifi code(for wifi control). You can copy the RF code between remotes when more than one remote are needed. Please get the operation instruction from the remotes specification.

4）Memory function, each time power-on reserve the mode which stop in the last power-down.