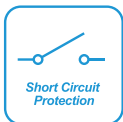
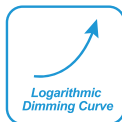
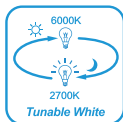
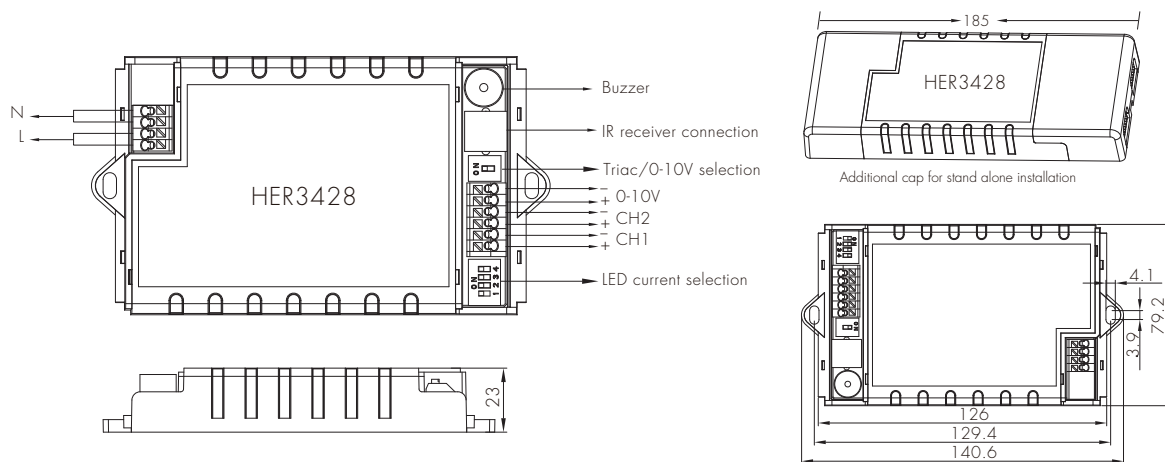
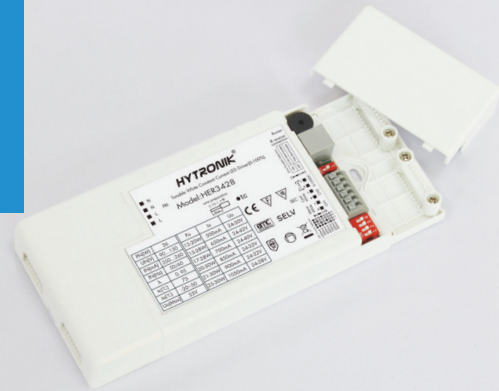


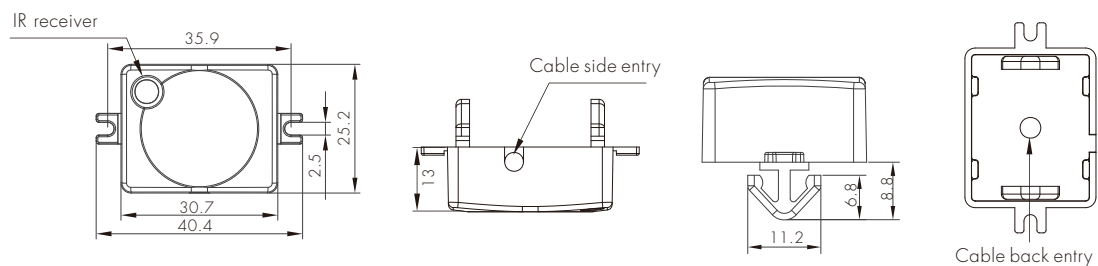
# SELECTABLE CONSTANT CURRENT Tunable White LED Driver

Model: HER3428 28W (2 channels)

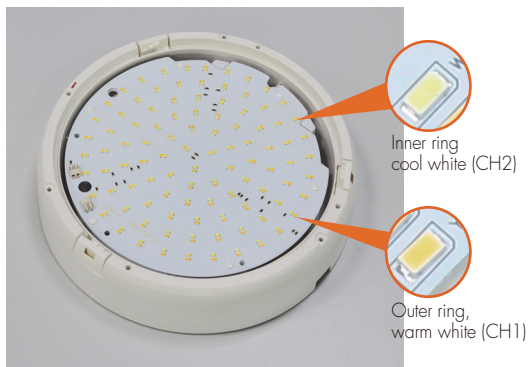


**Model SAM10** (Work with remote controller HRC-08)

Super-compact remote control receiver, with optional cable entry (side entry and back entry)



## LED Layout



There are two different groups of LEDs on the PCB panel which are connected to the respective channels of the LED driver. Channel 1 (CH1) is for warm white, whilst channel 2 (CH2) is for cool white.

The total load for the driver is 28W. The power is distributed over the 2 channels as required, and each channel is capable of supporting the full load, which means when channel 1 is at full power 28W (2700K), the output of channel 2 (6000K) is 0W, and vice versa.

Application Example:

When channel 1 is 12W and channel 2 is 16W, the mixed light output is still consuming 28W and the color temperature is around 4500K.

## Light Brightness and CCT Adjust

The driver HER3428 has 2 independent output channels to tune the white color and adjust light brightness. The color temperature and light brightness can be controlled through both triac and 0-10V output manually.

### 1 Adjust by triac dimmer

\* Brightness adjust:

Light brightness can be finely adjusted by rotating the triac dimmer.

\* CCT adjust:

The color temperature starts tuning after operating the triac dimmer through 3 min-max cycles in 3 seconds. Set the desired color by performing a further min-max cycle.

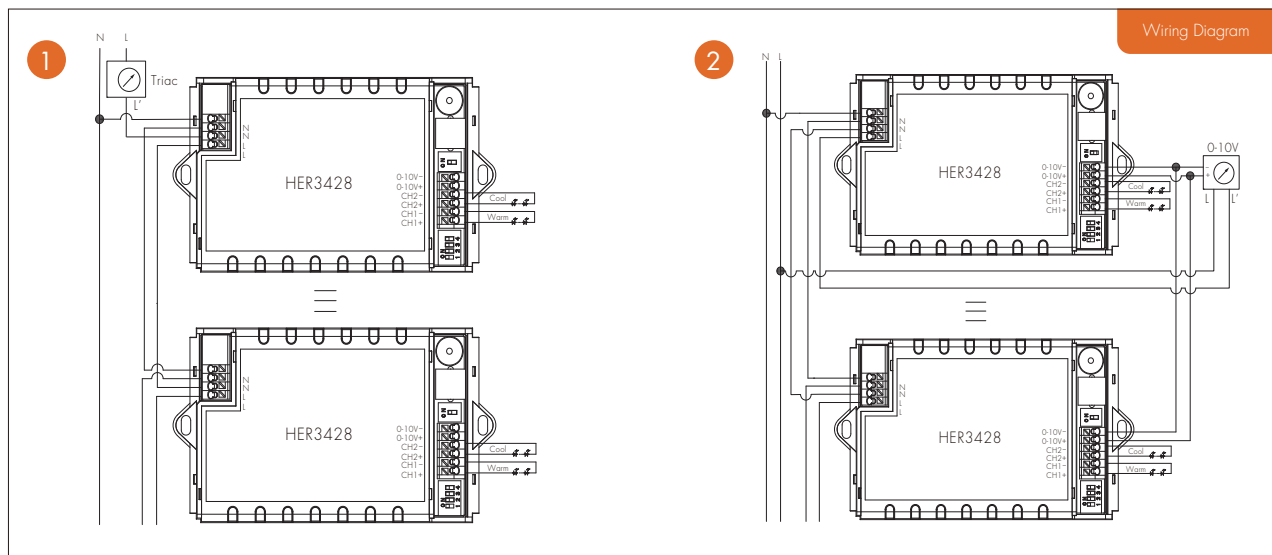
### 2 Adjust by 0-10V dimmer

\* Brightness adjust:

Light brightness can be finely adjusted by rotating/sliding the 0-10V dimmer.

\* CCT adjust:

The colour temperature starts tuning after cycling off/on the 1-10V dimmer 3 times within 3 seconds. Set the desired colour by a further off/on cycle.



## Permanent Memory

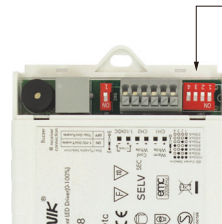
This driver has built-in permanent memory against power failure, which means the light will always start up at the previous level when it was switched off last time.

## LED Current Selections


The LED current can be configured by choosing the correct configuration of the DIP switches (see table on right).

The selected current is the maximum that will apply to either channel at any one time. For best results it is highly recommended that the LED layout is configured as such that both the warm white LEDs and cool white LEDs give their maximum outputs at the same design current.

Load wattages still may be mixed up to a total of 45W. Please refer to LED Layout section for further details of operation.



	1	2	3	4	Current
I	●	●	●	●	1050mA
II	●	○	●	○	900mA
III	●	●	○	○	850mA
IV	●	○	○	●	800mA
V	○	●	○	○	700mA
VI	●	○	○	○	650mA
VII	○	○	○	○	500mA



## Settings (Remote Control HRC-08)

ON / OFF

Permanent ON/OFF function

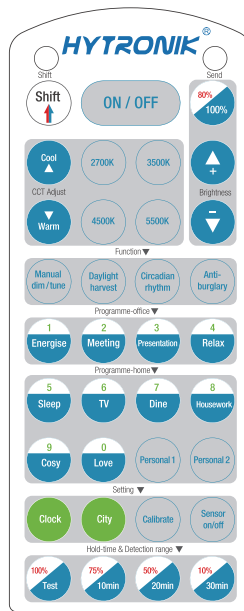
Manually switch on or switch off the light





CCT Adjust


Long press "Warm" or "Cool" to adjust the color of the light. "Warm" means light turns to warm white, while "Cool" means light turns to cool white.

Direct access to 2700k, 3500k, 4500k, 5500k are also available on the remote controller.



20% saving @ initial 10,000 hrs.

Luminaires can be overdesigned with 20% lumen output @ the initial 10,000 hours due to the lumen depreciation of LED. Press  button first, then press , this 20% output can be saved during the first 10,000 hours accordingly.

Press the  button to go back to the full output after 10,000 hrs to maintain the total lumen output.



Brightness

Long press "+" or "-" to adjust the brightness of the fixture.

Note: 1. The buttons of "Function", "Programme-office", "Setting", "Hold-time & Detection range" are disabled.  
2. The buzzer beeps once when the RC signal is successfully received.

## Technical Data

Mains voltage	90~130VAC 60Hz		
Mains current	350mA~260mA		
Mains power	36W		
Output voltage(U-out max.)	55VDC		
Power factor	≥0.95		
Operation temperature	Ta: -20~+45℃ Tc: 85℃		
Output power / current / voltage	12~20W/500mA/24V~50V 20~30W/850mA/24V~32V)	15~28W/650mA/24V~42V 21~30W/900mA/24V~32V	17~28W/700mA/24V~40V 25~30W/1050mA/24V~28V
Max. Efficiency	≥84%		
Abnormal protection	Output short-circuit protection with auto-reset.		
Over-heat protection	Automatic output reduction 80%~60%~40%~20% against overheat.		
EMC standard	FCC Part 15B		
Safety standard	UL8750		
Certification	cULus listed		
Dielectric strength	Input→output: 1500VAC/1min		
IP grade	IP20		