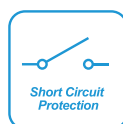
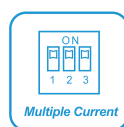
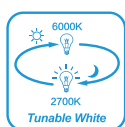
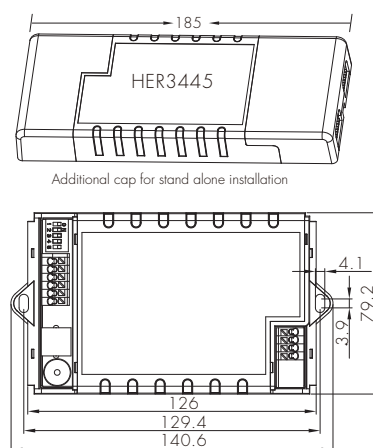
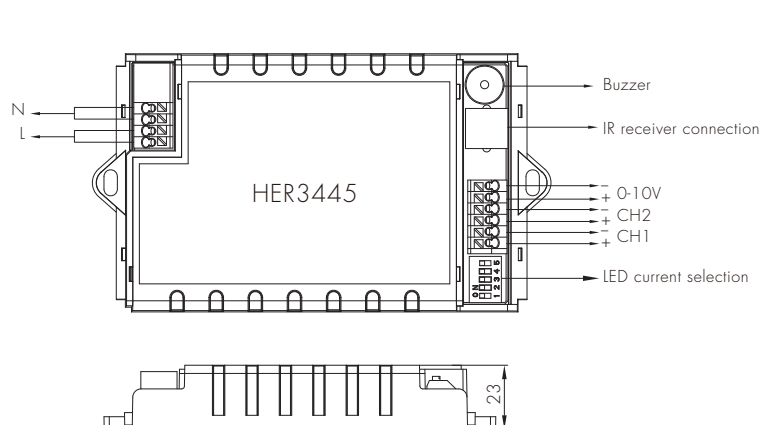


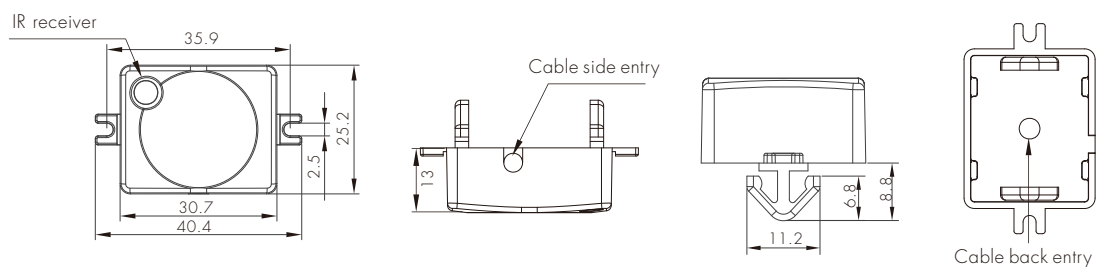
SELECTABLE CONSTANT CURRENT Tunable White LED Driver

Model: HER3445 45W (2 channels)

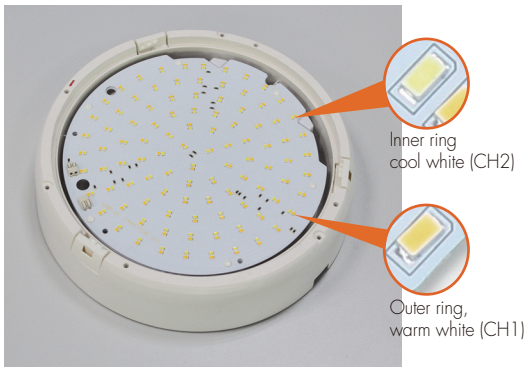


Model SAM10 (Work with remote controller HRC-08)

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 power is distributed over the 2 channels as required and each is capable of supporting the full load, which means when channel 1 is at full power 45W (2700K), the output of channel 2 (6000K) is 0W, and vice versa.

Application Example:

When channel 1 is 20W and channel 2 is 25W, the mixed light output is still consuming 45W and the colour temperature is around 4000K.

Light Brightness and CCT Adjust by 0-10V

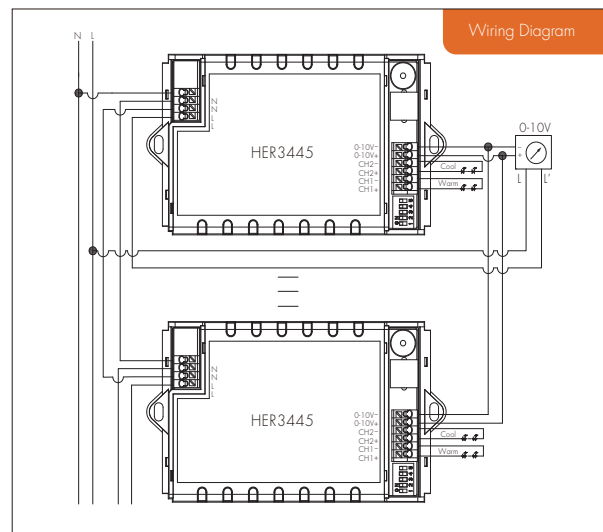
The driver HER3445 has 2 independent output channels to tune the white color and adjust light brightness. The color temperature and light brightness are controlled through 0-10V output manually.

* Brightness adjust:

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

* CCT adjust:

The colour temperature starts tuning after cycling off/on the 0-10V dimmer 3 times within 3 seconds. Set the desired colour by a further off/on cycle.



Permanent Memory

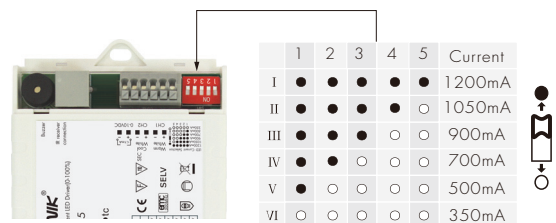
This driver has built-in permanent memory against power failure, which means the light will always start up at the previous level when it was switched off last time.

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.



Settings (Remote Control HRC-08)

ON / OFF

Permanent ON/OFF function

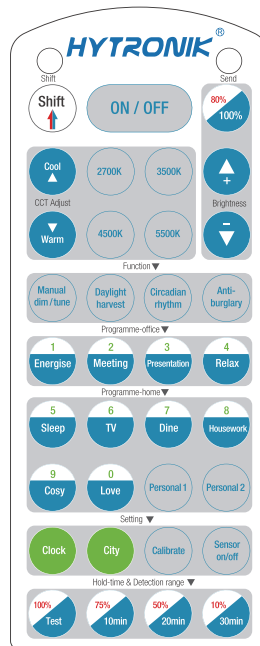
Manually switch on or switch off the light



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 oversized 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	120~277VAC 60Hz		
Mains current	350mA~180mA		
Mains power	40W @ 120VAC; 51W @ 277VAC		
Output voltage(U-out max.)	75VDC		
Power factor	≥0.95 (120VAC); ≥0.9 (277VAC)		
Operation temperature	Ta: -20~+45°C Tc: 85°C		
Output power /current / voltage (@120VAC)	3~20W /350mA /10V~56V 9~36W /900mA /10V~40V	5~28W /500mA /10V~56V 10~36W /1050mA /10V~34V	7~35W /700mA /10V~50V 12~34W /1200mA /10V~28V
Output power /current / voltage (@277VAC)	3~20W /350mA /10V~56V 9~45W /900mA /10V~50V	5~28W /500mA /10V~56V 10~42W /1050mA /10V~40V	7~40W /700mA /10V~56V 12~40W /1200mA /10V~34V
Max. Efficiency	≥87%		
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		