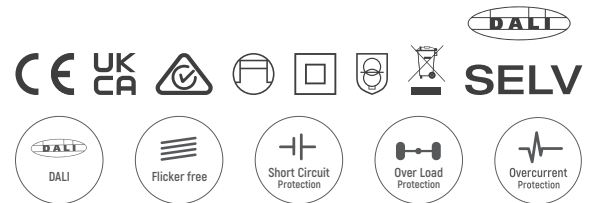


EUP30D-2HMC

Product Feature

- Dual channel constant current output, multi-level current optional
- Following the DALI protocol standard IEC62386-101 102 207 209
- Support Touch DIM function
- Built in active PFC function
- Dimmable smoothly, flicker-free.
- Short circuit protection, overcurrent protection, overload protection
- Suitable for LED indoor lighting fixtures, such as tube lights, panel lights, etc



Technical Parameters

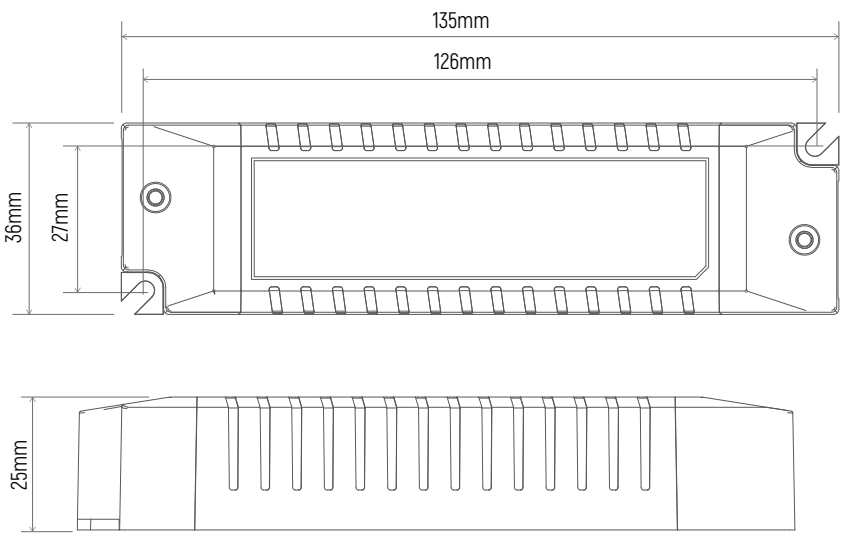
Model	EUP30D-2HMC																																																																																																																																																																																																																																																																																																																																																																															
Input	Input Voltage	220VAC-240VAC																																																																																																																																																																																																																																																																																																																																																																														
	Frequency Range[Hz]	50/60Hz																																																																																																																																																																																																																																																																																																																																																																														
	Input Current	0.18Amax@230VAC																																																																																																																																																																																																																																																																																																																																																																														
	Power Factor	≥0.95@230VAC, Full load																																																																																																																																																																																																																																																																																																																																																																														
	Efficiency	≥84%@230VAC, Full load																																																																																																																																																																																																																																																																																																																																																																														
	THD	<10%@230VAC, Full load																																																																																																																																																																																																																																																																																																																																																																														
	Standby power	<1W@230VAC																																																																																																																																																																																																																																																																																																																																																																														
	No-load power	<1W@230VAC																																																																																																																																																																																																																																																																																																																																																																														
	Inrush Current	Cold start, 30A@230VAC 100us																																																																																																																																																																																																																																																																																																																																																																														
Output	Current/Voltage/Power	500mA/9-45V/22.5W		550mA/9-45V/24.75W		600mA/9-45V/27W		650mA/9-45V/29.25W																																																																																																																																																																																																																																																																																																																																																																								
		700mA/9-42V/29.4W		750mA/9-40V/30W		800mA/9-37V/29.6W		850mA/9-35V/29.75W																																																																																																																																																																																																																																																																																																																																																																								
	Channel	2		Current Selection Table																																																																																																																																																																																																																																																																																																																																																																												
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Others	RoHS	Comply with 2011/65/EU
	tc	90°C for safety & life
	material	PC
	IP Rating	IP20
	Lifetime	50,000h@tc:90°C
	Warranty Condition	5years
	Switch Cycle	25,000times
	Body size	135*36*25mm(L*W*H)
	Packing(weight)	Net weight: 160g±5%/PCS; 80PCS/Carton; 13.3kg±5%/Carton; Carton Size: 449*335*148mm(L*W*H)
	Noise	In a quiet environment, no noise beyond 30-50cm
Remark	All parameters were measured at an input voltage of 230VAC/50Hz and an ambient temperature of 25 °C without any special instructions.	

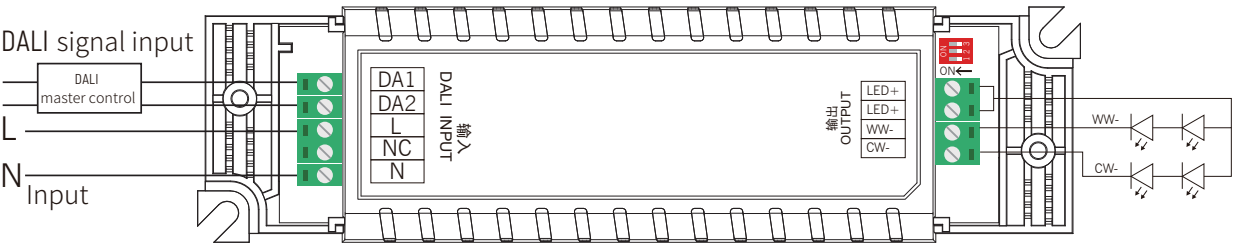
DALI

Parameter	Min.	Typ.	Max.
DALI Interface Standard	IEC62386-101,102,207		
Dimming Range	0.5%	Logarithmic	100%
DA1,DA2 Current	0		2mA

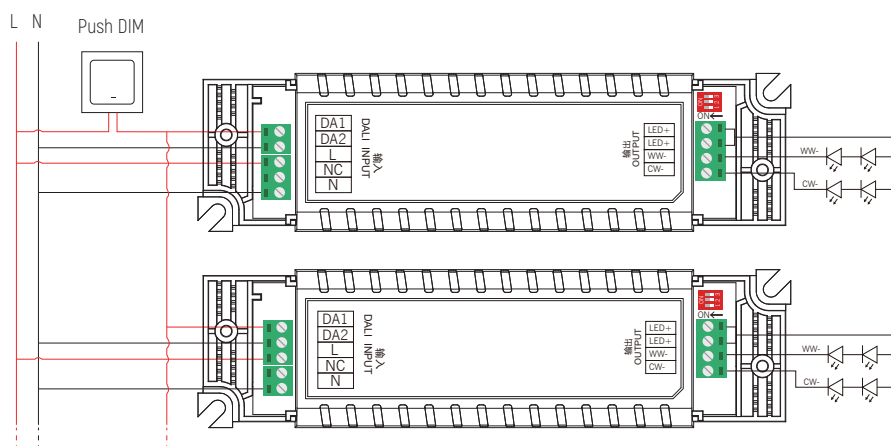
Dimension(mm)



Wiring Diagram



Push DIM(Touch DIM) Diagram



Remark: Only use open push button without indicator light. Maximum cable length between each Unit: 20 meters.

Push DIM Function

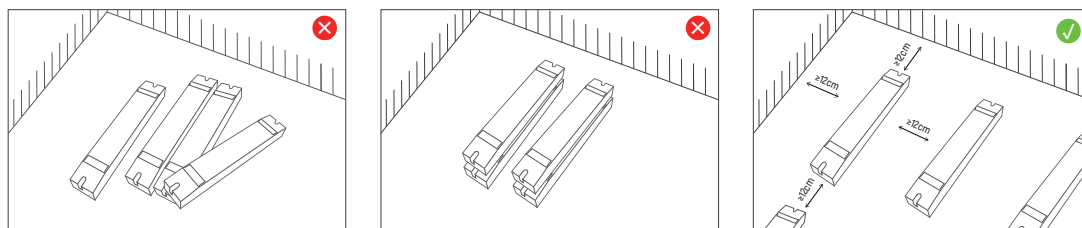
1. Press the Push DIM (Touch DIM) switch for 8s or more, the driver can be controlled via Push DIM switch.
2. Short press the Touch DIM switch (<0.5s) to control the lamp on or off.
3. Long press the Touch DIM switch (>0.5s) to dim the brightness of light. The dimming direction will change every time after pressing switch.
4. Double-click the Touch DIM switch (<0.3s), then all lamps connected on the device will be set maximum brightness.
5. The brightness adjustment range is 1%-100%, and the light can be turned off through short pressing when doing the adjustment with long pressing Touch DIM switch.
6. With the Power off memory function, the power-down state will be recovered when power on again.

Max. quantity of drivers per miniature circuit breaker

Specification item	Value	Condition
Inrush current I_{peak}	30A	Input Voltage 230VAC
Inrush current T_{width}	100us	Input Voltage 230VAC, measured to 50% I_{peak}

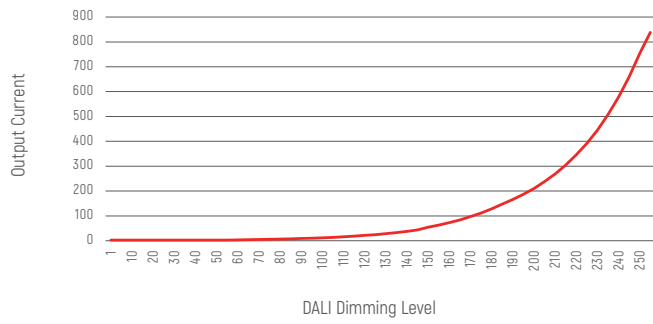
MCB	Input Voltage 230V Drivers	MCB	Input Voltage 230V Drivers
B10	28pcs	C10	47pcs
B13	37pcs	C13	61pcs
B16	45pcs	C16	76pcs
B20	57pcs	C20	95pcs
		D16	88pcs

Installation Precautions

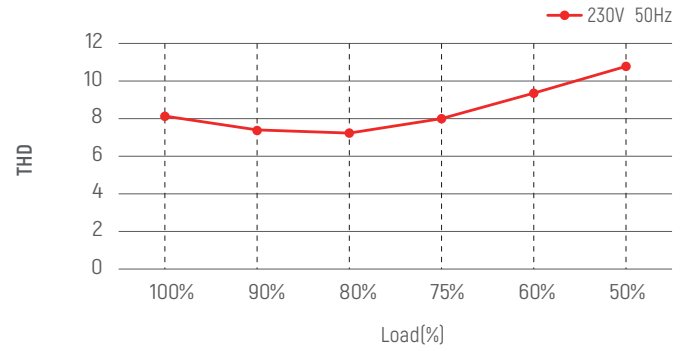


Please do not stack the products. The distance between two products should be >12cm so as not to affect heat dissipation and the lifespan of the products.

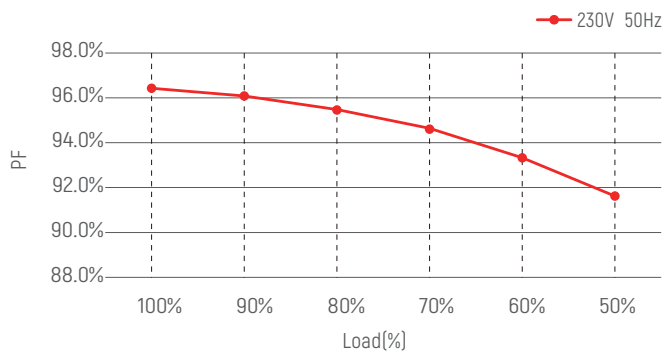
DALI Dimming Curve



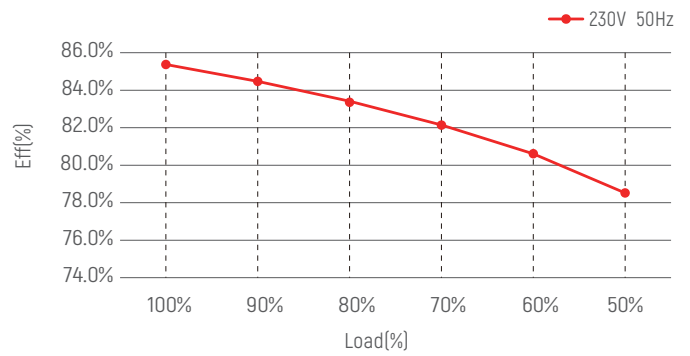
THD vs Load Curve



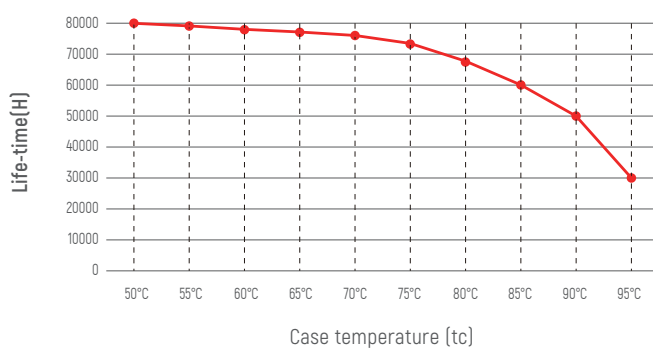
PF vs Load Curve



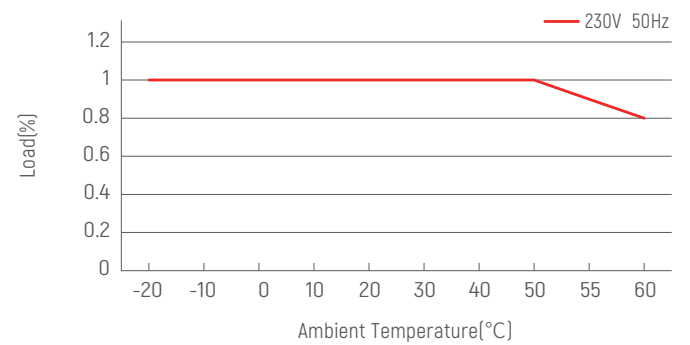
Efficiency vs Load Curve



Life-time vs. case temperature



Derating Curve



The life-time of the led driver is shown in the figure above
(calculated based on the 90% survival rate).

The relation of t_c to temperature depends also on the luminaire design.

Cautions

This product must be installed and adjusted by a qualified professional.		
1	Confirmation of installation conditions	· Waterproof and Protection: Install in a suitable location according to the waterproof and protection requirements of the power supply. Products without waterproof function should be protected from direct sunlight and rain. When installing outdoors, please use a waterproof box for protection. · Heat dissipation requirements: The drive power supply should avoid exposure to high temperature environments. Please ensure that the working environment temperature is within the recommended range. To ensure proper heat dissipation of the drive power supply, a well ventilated area should be selected for installation. Good heat dissipation conditions can help extend product lifespan.
2	Power check	· Before use, check the product parameters and confirm that the output voltage and current of the LED power supply meet the requirements
3	Safe wiring	· Use cables that meet the specifications to ensure that the cross-section of the wire matches the requirements of the driving power supply. Solid cables typically measuring 0.75-2.5 mm², (Please refer to the silk screen printing or wiring diagram in the instruction manual for specific wire diameter requirements). · If the power supply (metal casing) is installed on a grounded lighting component or equipment, the power supply needs to be grounded. · To avoid hot swapping, power off and restart the driver before connecting the LED load.
4	Wiring confirmation	· Before power on debugging, ensure that the wiring is secure and avoid poor contact to prevent unstable current or equipment damage.
5	Repair suggestions	· If the product malfunctions, please do not repair it without authorization. If you have any questions, please contact the supplier or sales team for assistance.

※ The contents of this manual are updated without prior notice. If the function of the product you are using is inconsistent with the instructions, the function of the product shall prevail. Please contact us if you have any questions .

Warranty Agreement

1. Warranty periods from the date of delivery : 5 years.
2. Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

The following situations are not covered by the free warranty or replacement service:

1. Exceeding the warranty period.
2. Damage caused by human factors such as high voltage, overload, and improper operation.
3. The appearance of the product is severely damaged or deformed.
4. Normal wear and tear or aging during regular product use.
5. Damage caused by natural disasters or force majeure factors.
6. The quality inspection label of the product is damaged (QC PASS).
7. No contract or valid invoice proof signed with EUCHIPS has been provided.

※ Remedies: Repair or replacement is the only remedy provided by EUCHIPS to the customer, and EUCHIPS shall not be liable for incidental damages arising from repair or replacement, unless within the scope of applicable law.

※ Adjustment of Warranty Terms: EUCHIPS reserves the right to modify or adjust the warranty terms, which shall be published in writing.