

### Product features



- Built-in isolated adjustable power color temperature LED driver
- Support DALI-2, Push Dimmingcolor temperature LED driver
- NFC control adjusts the current
- Current adjustment via NFC
- Output current 350...850 mA
- Max. output power 30 W
- Flicker free LED driver
- For luminaries of protection class I, II
- 5-year warranty



### Product specifications

161041 ID CCCB 30/230/350-850 DT8 NFC FV1

Output current	Input voltage	Output voltage	Efficiency @full	Current accuracy	Power factor	Dimension LxWxH (mm)
350...650 mA	220...240 Vac	10...54 Vdc	88%	±5%	0.9	135x56.5x21

### Electrical specifications

#### Mains voltage supply

Rated input voltage range	220...240 Vac
Max. input voltage range	198...264 Vac
Rated frequency range	0/50/60 Hz
Max. input current	0.17A @ 230 Vac

#### Battery operation

DC voltage range	220...240 Vdc
Max. DC voltage range	176...276 Vdc

#### Protection against voltage peaks

Withstand voltage	I/P-O/P: 3.75 KVac, <5 mA 60 sec, I/P-DA: 1.5 KVac, <5 mA 60 sec; O/P-DA: 1.5 VKac, <5 mA 60 sec
Mains surge immunity	L-N 1 KV

#### Total harmonic distortion (THD)

At rated input voltage range @ full load	20%
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### Output data

Output current tolerance	± 5% at rated input voltage range
Ripple output current	5% (ripple = peak/average total 100 Hz)
Output PstLM	1% at full load @ rated input voltage
Output SVM	0.4% at full load @ rated input voltage

### Protection functions output side

Overvoltage protection	The output voltage is less than or equal to 60 V
Overpower protection	The output power is less than or equal to 36W
Short circuit protection	Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.
No load output voltage	

### Dimming operation and interface

Standby power consumption	≤ 0.5 W
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### Connection terminals

Connection terminal type	Push in terminal
Wire cross section	Input wire: 0.5...1.5 mm <sup>2</sup> ; Output wire: 0.2...1.5 mm <sup>2</sup>
Wire stripping length	8...9 mm

### Degree of protection

Protection rating	IP20
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### Operating data

Output current range	NFC control adjusts the current: 350...850mA
Default current	350 mA
Output voltage range	10...54 Vdc

### Circuit breaker / Inrush current

MCB loading quantity	Inrush current I <sub>peak</sub> : 4.69 A			Inrush current T <sub>width</sub> : 40.5 μs	
	MCB type	B10	C10	B16	C16
	Units	65	65	105	105

## Supplementary instructions

- The luminaire manufacturer is responsible for measuring and verifying the EMI compliance of the complete luminaire, as the level of radio interference will vary depending on the luminaire construction. Especially primary and secondary cable lengths and their routing may have a significant effect on radio interference.
- For the push DIM function, please follow our instructions, which can be downloaded from [www.cupower.com](http://www.cupower.com).

## Environmental specifications

Operating temperature	-20...+50°C
Storage temperature	-25...85°C
Working humidity	10%...90%
Store humidity	5%...95%



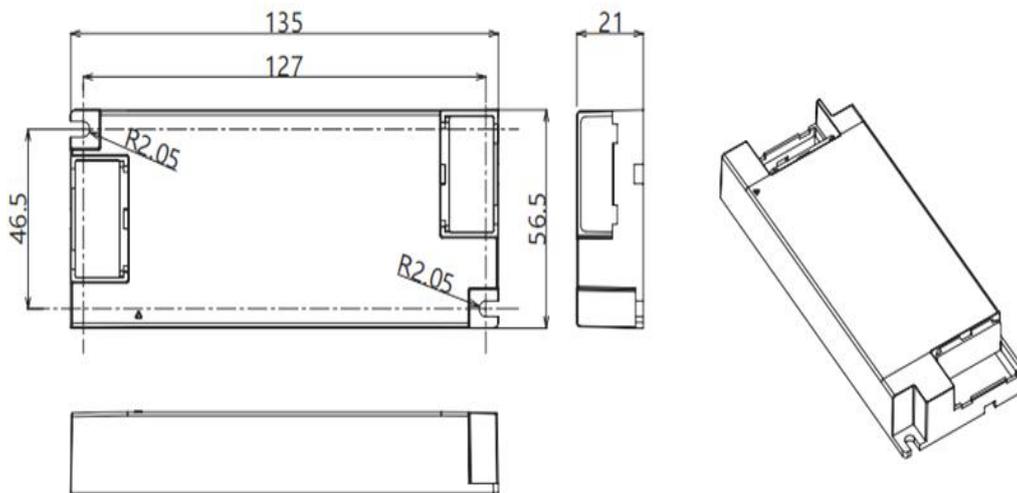
### Dimensions

#### Housing dimensions

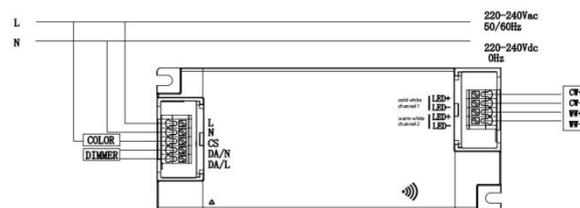
Length (L)	135mm
Width (W)	56.5mm
Height (H)	21mm
Weight	0.117 kg

#### Packaging details

Packing units	50pcs.
Carton size	280 x 236 x 114mm
Weight	6.85 kg

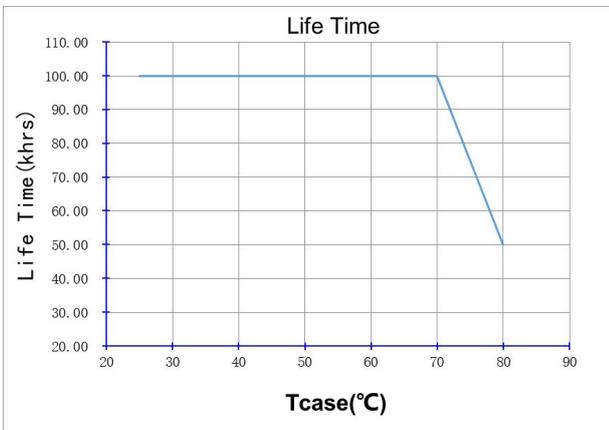
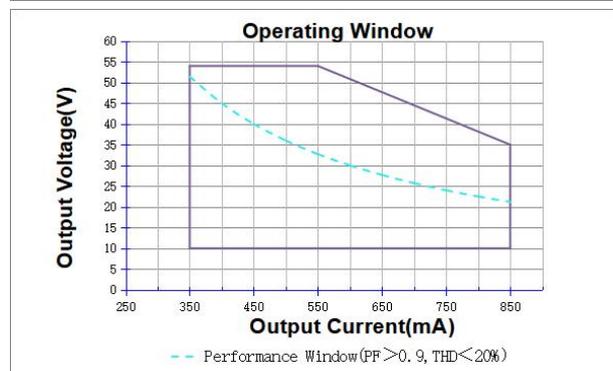
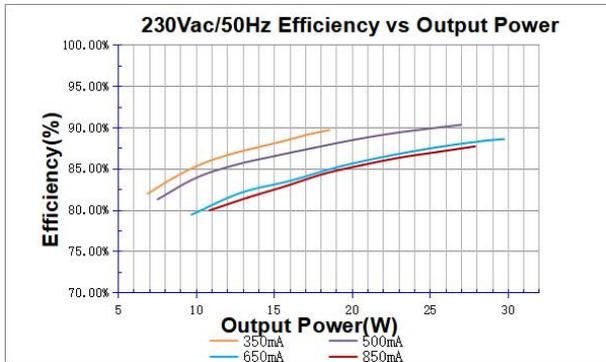
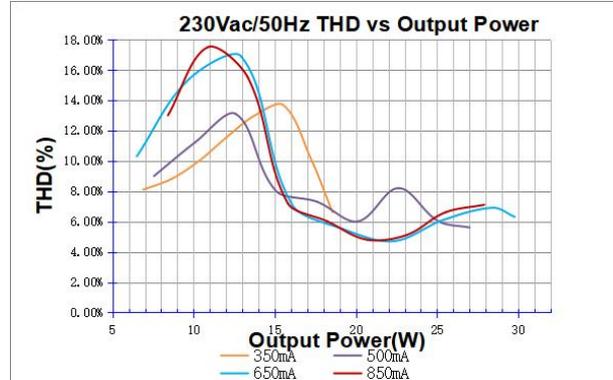
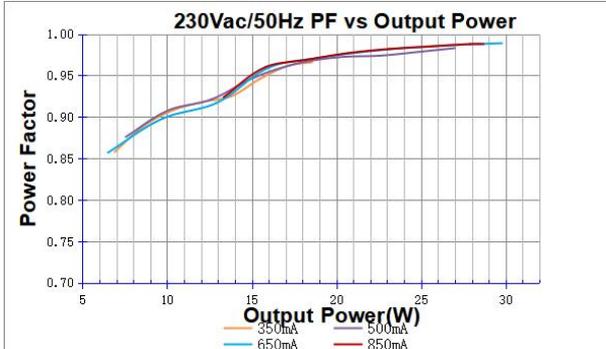


### Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The lamp wire should keep a certain distance from the LED power supply and other wires (5-10 cm is preferred).
- No secondary switches are allowed
- Incorrect wiring can damage LED.
- The wire must be well protected against short circuit.

## Technical information



It's important to set output current (AOC value) according to LEDs voltage, make sure the power is within 30W +5%

### Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
54	350 mA	18.9
50	600 mA	30
46	650mA	30
35	850 mA	30