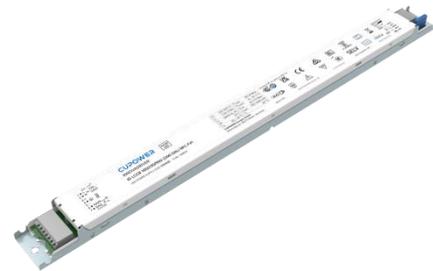


### Product features

- Flicker-free LED driver
- Supports DALI-2, push DIM
- Built-in isolated adjustable power LED driver
- Current adjustment via NFC
- Supports i-Data function (DALI part 251, 252, 253)
- Output current 900...2200 mA
- Max. output power 100 W
- Constant lumen output (CLO)
- For luminaires with protection class I
- 5 years warranty



### Product specifications

#### 160839 ID LCCB 100/230/900-2200 DALI NFC FV1

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension LxWxH (mm)
900 mA	220...240 Vac 220...240 Vdc	15...54 Vdc	87%	± 5%	0.9	405 x 29.5 x 16
1200 mA		15...54 Vdc	88.5%			
1800 mA		15...54 Vdc	90.5%			
2200 mA		15...45Vdc	90.5%			

### Electrical specifications

#### Mains voltage supply

Rated input voltage range	220...240 Vac; performance range
Max. input voltage range	198...264 Vac; operational safety range
Rated frequency range	0/50/60 Hz
Performance / Operational safety	47...63 Hz
Max. input current	0.55 A @ 230 Vac & 0.55 A @ 230 Vdc

#### Battery operation

DC voltage range	220...240 Vdc; performance range
Max. DC voltage range	176...276 Vdc; operational safety range

#### Protection against voltage peaks

Withstand voltage	I/p-FG: 1.5 kVac, < 5 mA 60 sec; I/p-O/p: 3.75 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV, L/N-FG: 2 kV per IEC 61000-4-5

### 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
No load output voltage	≤ 60 Vdc
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 115 W
Short circuit protection	Short circuit protection is designed to turn off the output and cannot be automatically restored. the output can be restored by one of the following two operations: <ul style="list-style-type: none"> <li>• After receiving DALI instruction Off, turn on the light by dimming instruction.</li> <li>• Restart the driver: Power on the driver five seconds after the power failure.</li> </ul>

### Dimming operation and interface

Dimming mode	DALI-2, push dimming
Dimming method	Amplitude dimming
Dimming current range	1%...100% (9...2200 mA)
Standby power consumption	≤ 0.3 W

### Connection terminals

Connection terminal type	0° push in terminal
Wire cross section	Input and output wire: 0.5...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: 900...2200 mA
Default current	900 mA
Output voltage range	15...54 Vdc
Noise level	< 20 dB, at full load @ 100 cm distance

### Circuit breaker / Inrush current

MCB loading quantity	Inrush current I <sub>peak</sub> : 37.2 A		Inrush current T <sub>width</sub> : 295 μs		
	MCB type	B10	C10	B16	C16
	Units	9	15	15	25



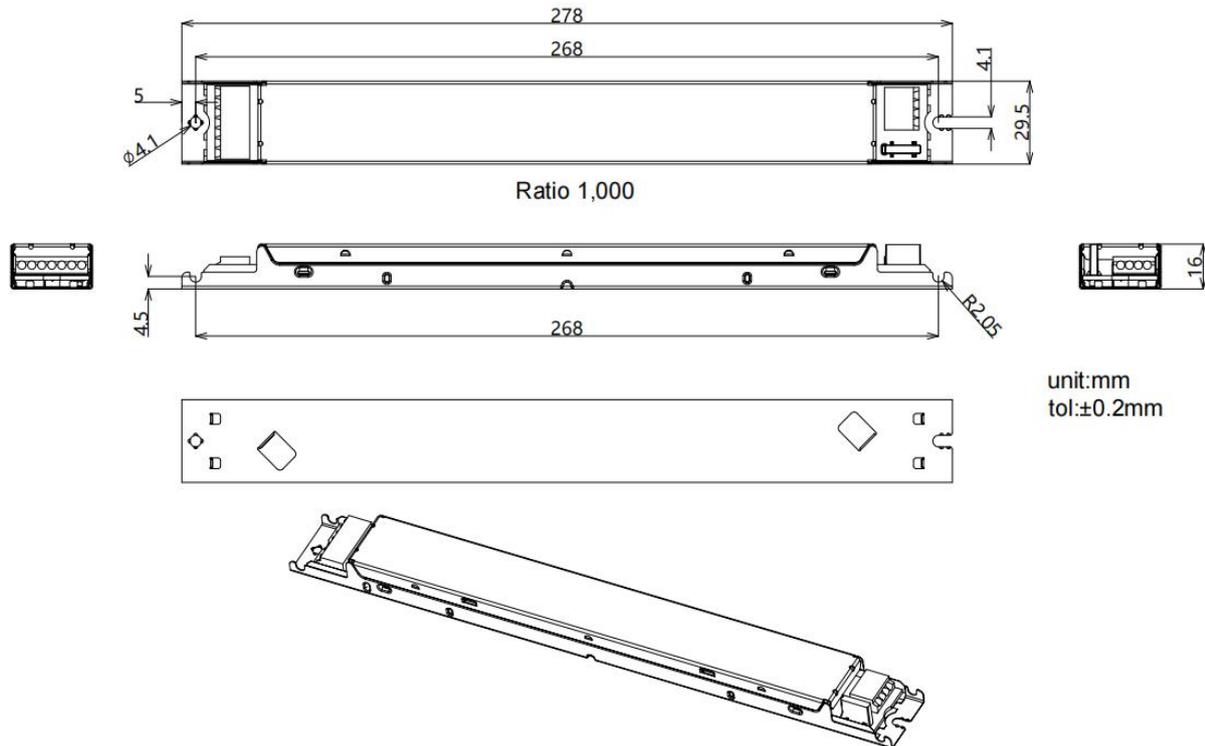
### Dimensions

#### Housing dimensions

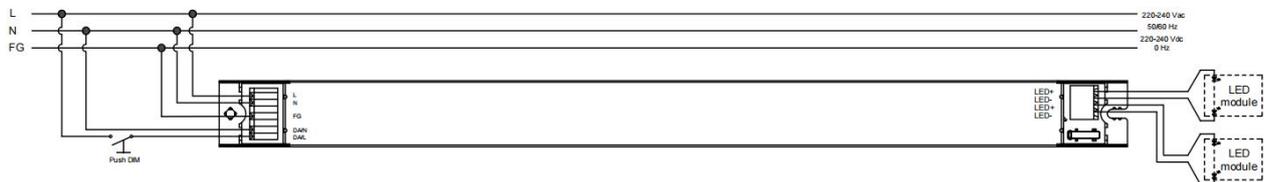
Length (L)	405 mm
Width (W)	29.5 mm
Height (H)	16 mm
Weight	0.267 kg

#### Packaging details

Packing units	20 pcs
Carton size	426 x 128 x 102 mm
Weight	6.4 kg

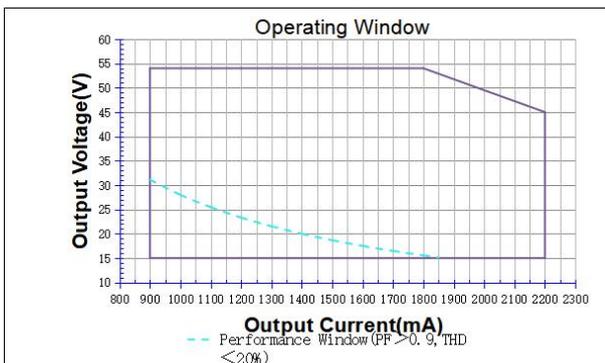
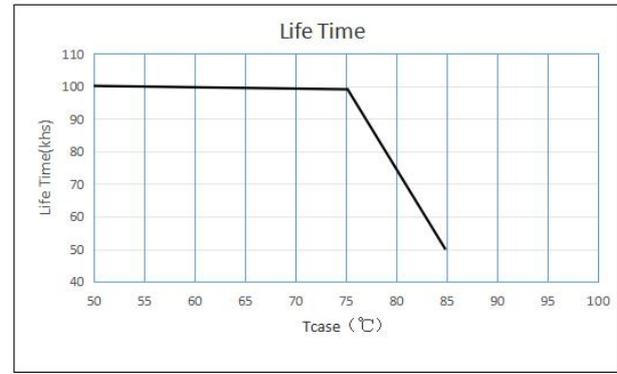
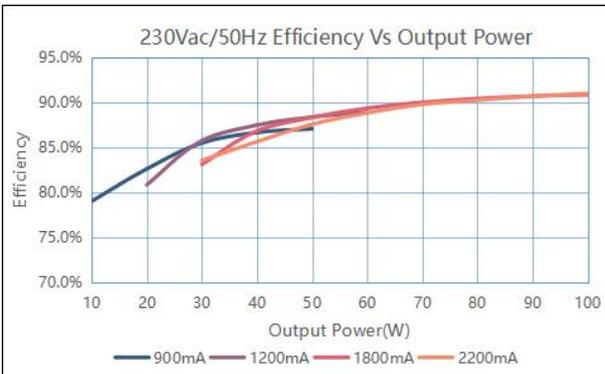
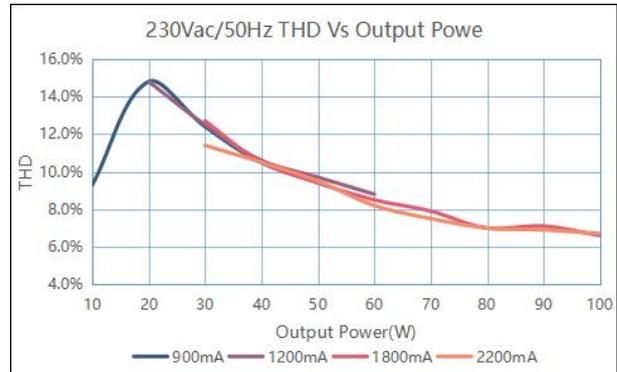
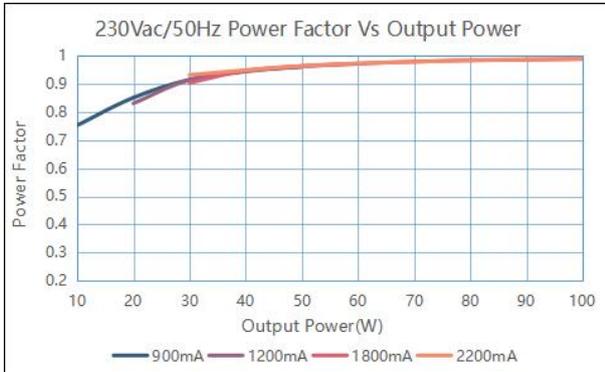


### Wiring diagram



- All connections must be as short as possible to ensure good EMI performance.
- The luminaire 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 the LED.
- The wire must be well protected against short circuit.

### Technical information



It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within 100 W + 5%.

#### Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
54	900 mA	48.6
54	1200 mA	64.8
54	1800 mA	97.2
45	2200 mA	100