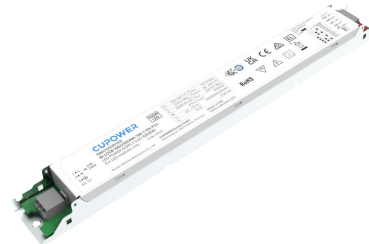


Product features

- Built-in non isolated adjustable power LED driver
- Supports 1-10 V Dimming
- Current adjustment via Dip
- Max. output power 100 W
- DC emergency
- Flicker-free, dimming range 1%...100% (amplitude dimming)
- Current output default value 100%
- For luminaires with protection class I



Product specifications

160631 ID LCCB 100/230/400-700 1-10V FV2

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor	Dimension LxWxH (mm)
400 mA, 450 mA 500 mA, 550 mA 600 mA, 650 mA 700 mA	220...240 Vac 220...240 Vdc	50...220 Vdc	94% (@ 220 V 450 mA)	± 5%	0.9 (Output Power > 28 W @ 230 Vac 50 HZ)	278 x 30 x 21

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	0.55 A @ 230 Vac & 0.55 A @ 230 Vdc

Battery operation

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

Protection against voltage peaks

Withstand voltage	I/p-FG: 1.5 kVac, < 5 mA 60 sec, I/p-Dim: 1.5 kVac, < 5 mA 60 sec, Dim-FG: 1.5 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV, L-FG 2 kV, N-FG 2 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
No load output voltage	250 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
DC emergency level	Current output 100%

Protection functions output side

Overvoltage protection	The output voltage is less than or equal to 250 V
Overpower protection	The output power is less than or equal to 130 W
Short circuit protection	Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed.

Dimming operation and interface

Standby power consumption	-
Dimming mode	1...10 V
Dimming method	Amplitude dimming
Dimming current range	1%...100%

Connection terminals

Connection terminal type	0° push in terminal
Wire cross section	Input and output wire: 0.5...1.5 mm ²
Wire stripping length	8...9 mm

Degree of protection

Protection rating	IP20
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Operating data

Output current range	Dip control adjusts the current: 400 mA, 450 mA, 500 mA, 550 mA, 600 mA, 650 mA, 700 mA,
Default current	400 mA
Output voltage range	50...220 Vdc

Circuit breaker / Inrush current

	Inrush current I _{peak} : 31 A			Inrush current T _{width} : 358 μs	
MCB loading quantity	MCB type	B10	C10	B16	C16
	Units	5	9	9	15

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.

Environmental specifications

Operating temperature	-25...+55°C
Storage temperature	-40...+80°C
Working humidity	10%...90%
Store humidity	5%...90%
Lifetime	at Tc 75°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	75°C

Safety & EMC compliance

ENEC+CE	CCC	SAA
EN 61347-2-13:2014/A1: 2017	/	AS/NZS IEC 61347.2.13.2013
EN 61347-1:2015/A1: 2021	/	AS/NZS 61347.1: 2016
EN 62384:2006/A1: 2009	/	/
EN 55015:2019/A11: 2020	/	/
EN 61000-3-2: 2019	/	/
EN 61000-3-3: 2013	/	/
EN 61547: 2009	/	/
/	/	/
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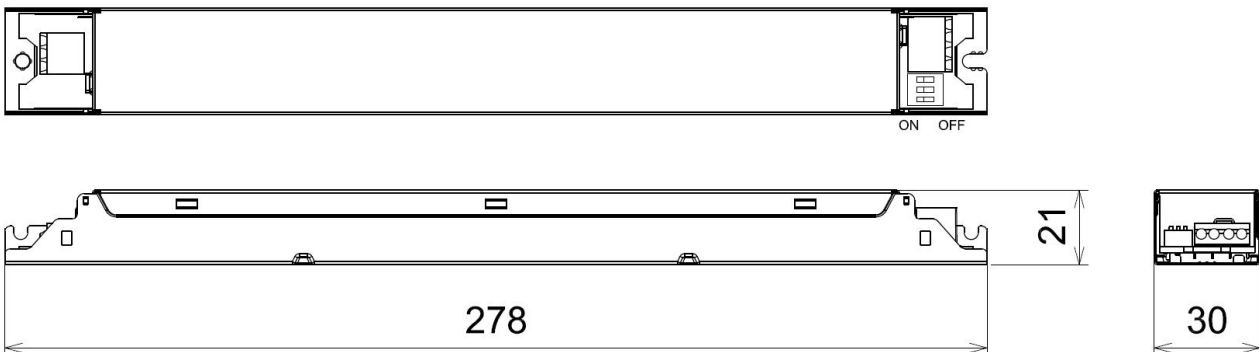
Dimensions

Housing dimensions

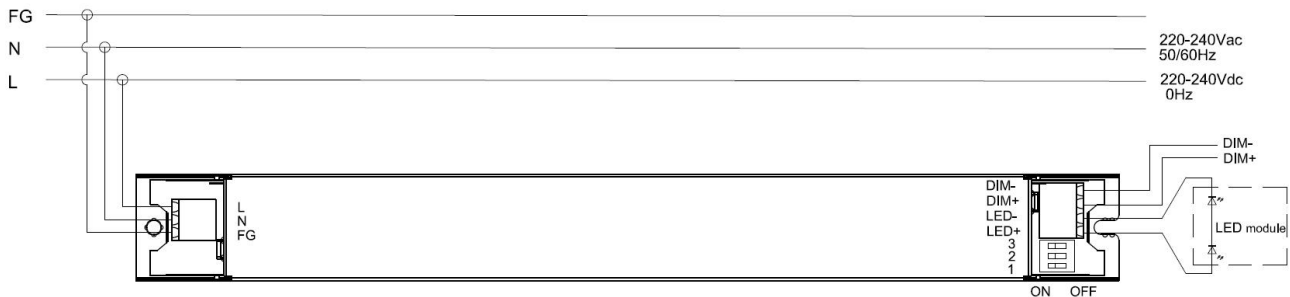
Length (L)	278 mm
Width (W)	30 mm
Height (H)	21 mm
Weight	0.211 kg

Packaging details

Packing units	56 pcs
Carton size	375 x 325 x 185 mm
Weight	12.7 kg



Wiring diagram



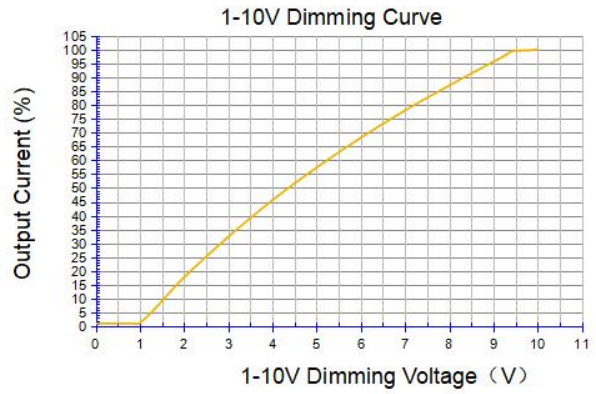
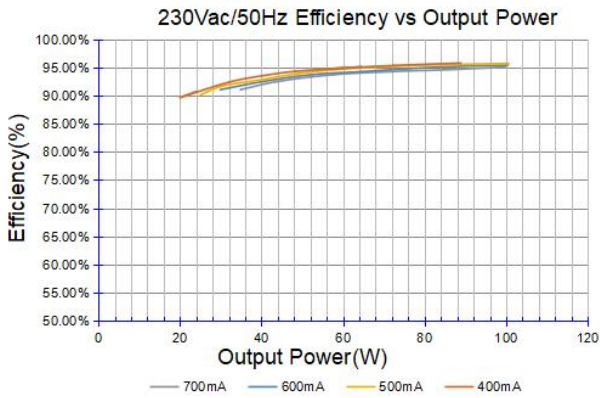
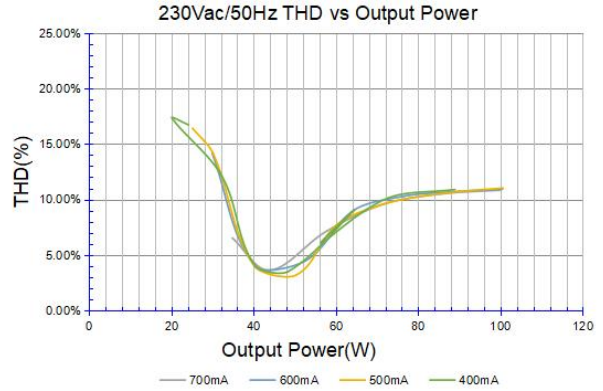
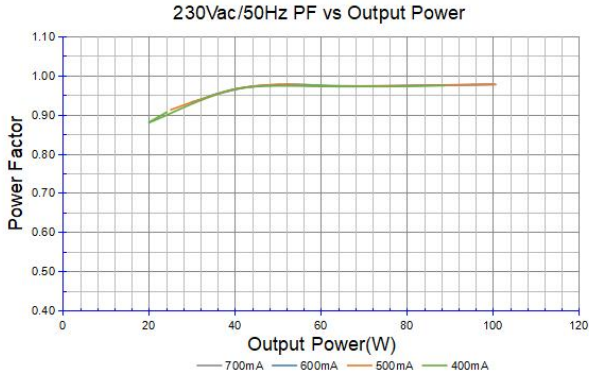
- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected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

Adjustable output current with dip-switch



lout	1	2	3
400mA	OFF	OFF	ON
450mA	OFF	ON	OFF
500mA	OFF	ON	ON
550mA	ON	OFF	OFF
600mA	ON	OFF	ON
650mA	ON	ON	OFF
700mA	ON	ON	ON

Technical information



Adjustable output current with DIP-SWITCH					
Vout	Pout	Iout	1	2	3
50...220 Vdc	88 W	400 mA	-	-	ON
50...220 Vdc	99 W	450 mA	-	ON	-
50...200 Vdc	100 W	500 mA	-	ON	ON
50...181 Vdc	100 W	550 mA	ON	-	-
50...166 Vdc	100 W	600 mA	ON	-	ON
50...153 Vdc	100 W	650 mA	ON	ON	-
50...143 Vdc	100 W	700 mA	ON	ON	ON