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ID LCCB 150/230/200-900 DALI NFC IND FV1

Art. 161027

Product features

- Built-in non isolated adjustable power LED driver
- Flicker-free LED driver
- Supports DALI-2, push DIM
- Current adjustment via NFC
- Output current 200...900 mA
- Max. output power 150 W
- Constant lumen output (CLO)
- For luminaires with protection class I
- 5 years warranty



Product specifications

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Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension LxWxH (mm)
200900 mA	220…240 Vac 198…250 Vdc	64290 Vdc	94%	± 5%	0.9	358x30x21

Electrical specifications

Mains voltage supply

Rated input voltage range	220240 Vac
Max. input voltage range	198264 Vac
Rated frequency range	0/50/60 Hz
Max. input current	0.80 A @ 230 Vac

Battery operation

DC voltage range	198250 Vdc
Max. DC voltage range	176276 Vdc

Protection against voltage peaks

Withstand voltage	l/p-FG: 1.5 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 4 kV, L-FG 4 kV, N-FG 4 kV

Total harmonic distortion (THD)

At rated input voltage range @ full load	10%
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Output data

Output current tolerance	± 5% at rated input voltage range
No load output voltage	300 Vdc
Ripple output current	5%
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 300 V		
Overpower protection	The output power is less than or equal to 170 W		
Short circuit protection	Yes		

Dimming operation and interface

Dimming range	1%100%
Standby power consumption	0.3 W

Connection terminals

Connection terminal type	0° push in terminal
Wire cross section	Input and output wire: 0.21.5 mm ²
Wire stripping length	89 mm

Degree of protection

Protection rating IP20	Protection rating	
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Operating data

Output current range	NFC control adjusts the current: 200900 mA	
Default current	200 mA	
Output voltage range	64290 Vdc	
Noise leve	< 20 dB, at full load @ 100 cm distance	

Circuit breaker / Inrush current

	Inrush current Ipeak: 15.6 A			Inrush current Twidth: 260 µs		
MCB loading quantity	MCB type	B10	C10		B16	C16
	Units	11	11		18	18

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.
- Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed

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Environmental specifications

Operating temperature	-40+65°C
Storage temperature	-40+85°C
Working humidity	10%90%
Store humidity	5%95%
Lifetime	at Tc 85°C: 50,000 hrs; at Tc 75°C: 100,000 hrs; @ 230 Vac
Maximum Tc temperature	85°C

Safety & EMC compliance

ENEC+CE	CCC
EN 61347-1:2015/A1:2021	
EN 61347-2-13:2014/A1:2017	
EN IEC 62384:2020	
EN 300 330 V2.1.1:2017	
EN 62479:2010	
EN 50663:2017	
EN 301 489-1 V2.2.3:2019	
EN 301 489-3 V2.1.1:2019	
EN IEC 55015:2019/A11:2020	
EN 61547:2009	
EN IEC 61000-3-2:2019/A1:2021	
EN 61000-3-3:2013/A2:2021	
EN 61347-1:2015/A1:2021	
EN 61347-2-13:2014/A1:2017	
EN 62493:2015	

SAA		
AS 61347.2.13:2018		
AS/NZS 61347.1:2016+A1		

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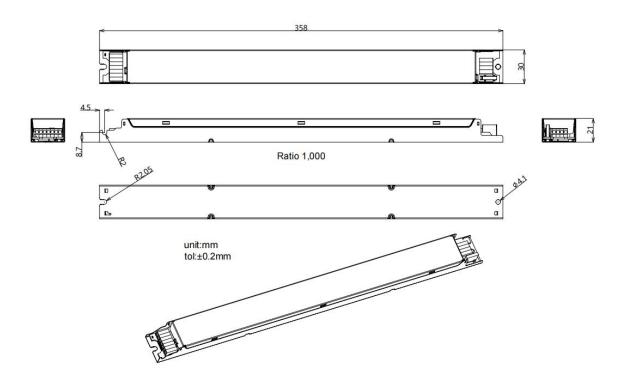
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Dimensions

Housing dimensions

Length (L)	358 mm
Width (W)	30 mm
Height (H)	21 mm
Weight	0.269 kg

Packaging details		
Packing units	20 pcs	
Carton size	381 x128 x128 mm	
Weight	6.4 kg	



Wiring diagram



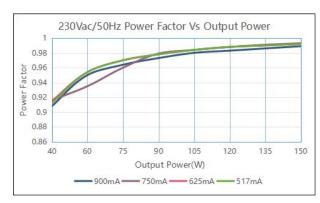
- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- No secondary switches are allowed.
- Incorrect wiring can damage the LED.
- The wire must be well protected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

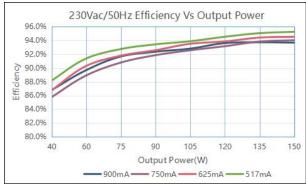
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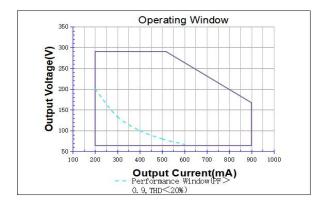
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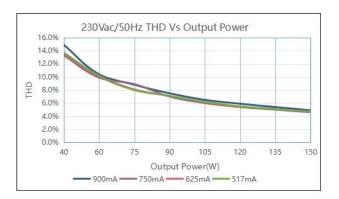
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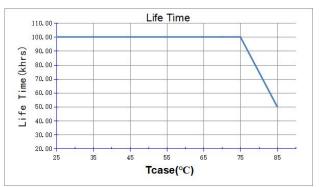
Technical information











It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within 150 W + 5%.

Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
167	900 mA	150
200	750 mA	150
240	625 mA	150
290	517 mA	150

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