



Art.167555

™® LK CE 🕸 🎎

Product features

- Isolated adjustable power LED driver
- Current adjustment via NFC
- Constant lumen output(CLO)
- Supports i-Data function
- Output current 300...1050 mA
- Max. output power 42 W
- DC emergency
- Flicker-free, dimming range 1%...100% (amplitude dimming)
- Current output default value 100%
- For luminaires with protection class I, II





Product specifications

167555 ID ECSCI 42/230/300-1050 NFC ML

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor @full load	Dimension LxWxH (mm)
3001050 mA	220240 Vac 220240 Vdc	942 Vdc	88% (@ 40 V 1050 mA)	± 5%	0.9 (Output Power >15 W @ 230 Vac 50 Hz)	182 x 42 x 31

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	0.22 A @ 230 Vac & 0.22 A @ 230 Vdc		

Battery operation

DC voltage range	220240 Vdc
Max. DC voltage range	176280 Vdc

Protection against voltage peaks

Withstand voltage	l/p-O/p: 3 kVac, < 5 mA 60 sec, l/p-Da: 1.5 kVac, < 5 mA 60 sec, O/p-Da: 1.5 kVac, < 5 mA 60 sec		
Mains surge immunity	L-N 1 kV		

Total harmonic distortion (THD)

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	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	≤ 55 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	Bluetooth mesh current output decreased to 15% (programmable)		

Protection functions output side

Overvoltage protection	The output voltage is less than or equal to 55 V			
Overpower protection	The output power is less than or equal to 47 W			
Short circuit protection	Protection device will trigger when short circuit and will auto recover after the fault mode is removed.			

Dimming operation and interface

Standby power consumption	≤ 0.4 W		
Dimming mode	AM dimming		
Dimming method	Bluetooth mesh dimming		
Dimming current range	1%100%		

Connection terminals

Connection terminal type	The output terminal is a 45° push-in terminal			
Wire cross section	Output wire: 0.51.5 mm²			
Wire stripping length	89 mm			

Degree of protection

Protection rating	IP20

Operating data

Output current range	NFC control adjusts the current: 3001050 mA			
Default current	300 mA			
Output voltage range	942 Vdc			

Circuit breaker / Inrush current

	Inrush current lpe	nrush current lpeak: 27.5 A		rush current Twidth		
MCB loading quantity	MCB type	B10		C10	B16	C16
	Units	28		37	46	59

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.
- The recommended NFC communication distance: 5...20 mm.

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Environmental specifications

Operating temperature	-20 +35°C
Storage temperature	-25 +85°C
Working humidity	10%90%
Store humidity	5%95%
Lifetime	at Tc 85°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	85°C

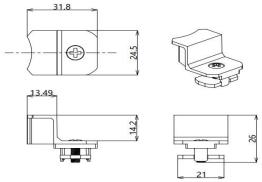
Safety & EMC compliance

ENEC+CE	
1	
1	
1	
1	
1	
1	

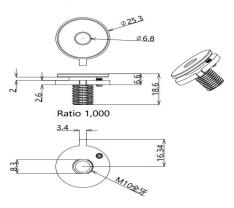
ccc	
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SAA			
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Accessories (optional)











Art.	Dimensions	Length (mm)	Width (mm)	Height (mm)
167630	XZ-TRACK-A	31.8	24.5	26
167678	XZ-TRACK-A1	25.3	25.3	18.6

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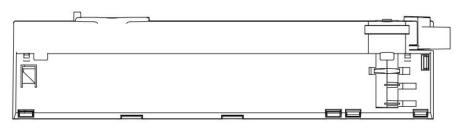
Dimensions

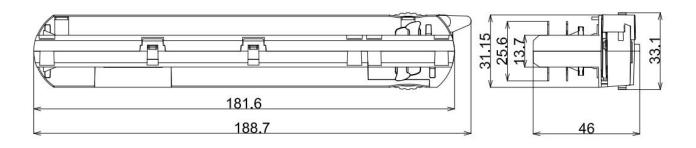
Housing dimensions

Length (L)	182 mm
Width (W)	42 mm
Height (H)	31 mm
Weight	TBD

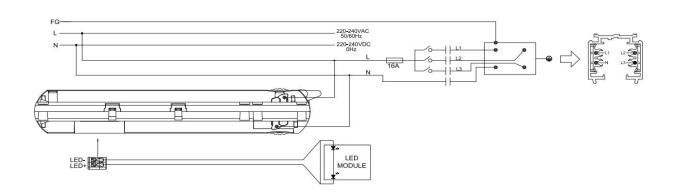
Packaging details

Packing units	TBD
Carton size	TBD
Weight	TBD





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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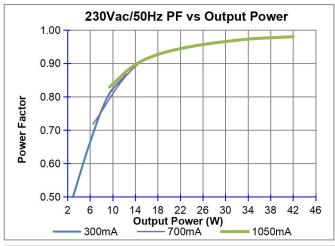


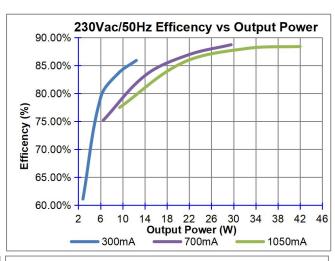
CUPOWER

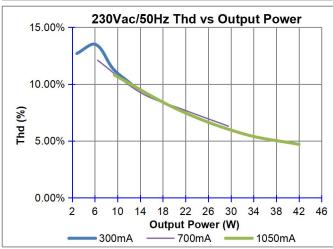
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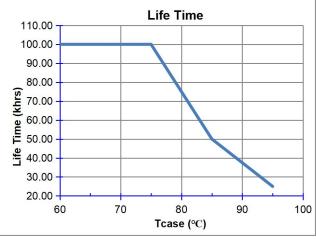
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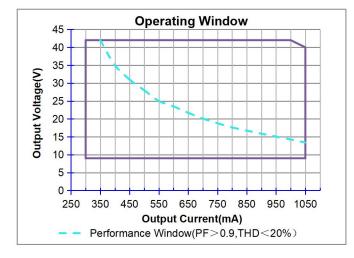
Technical information











It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within 42 W + 5%.

Example of AOC settings

V LED (Vdc)	AOC max	Pout (W)
42	1000 mA	42
40	1050 mA	42

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