

### Product features



- Isolated adjustable power color temperature LED driver
- Support DALI-2, Push Dimming
- Output current 350...700 mA by DIP Switch adjust
- Current output default value 100%
- Max. output power 12 W
- For luminaries of protection class I, II
- 5-year warranty
- DC emergency
- Constant lumen output(CLO)



### Product specifications

#### 161157 RD CCCI 12/230/350-700 DT8 DIP FV1

Output current	Input voltage	Output voltage	Efficiency @full load	Current accuracy	Power factor	Dimension LxWxH (mm)
350 mA	220...240 Vac 220...240 Vdc	9...30 Vdc	84.5% at 400 mA 81.5% at 700 mA	± 5%	≥ 0.9 (Output power > 6.2W @ 230 Vac 50 Hz)	133×38×21
400 mA						
450 mA						
500 mA						
550 mA						
600 mA						
650 mA						
700 mA						

### 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	0.07 A @ 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 kVac, < 5 mA 60 sec
Mains surge immunity	L-N 1 kV

#### Total harmonic distortion (THD)

At rated input voltage range @ full load	10%
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Art. 161157

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### Output data

Output current tolerance	± 5% at rated input voltage range
No load output voltage	50 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 38 V
Overpower protection	The output power is less than or equal to 14 W

### Dimming operation and interface

Standby power consumption	≤ 0.5 W
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### Connection terminals

Connection terminal type	45° push in terminal
Wire cross section	Input wire: 0.75...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	Output current 350... 700 mA by DIP Switch adjust
Default current	350 mA
Output voltage range	9...30 Vdc

### Circuit breaker / Inrush current

MCB loading quantity	Inrush current I <sub>peak</sub> : 4.77 A			Inrush current T <sub>width</sub> : 35 μs	
	MCB type	B10	C10	B16	C16
	Units	127	127	203	203

## 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...+45°C
Storage temperature	-25...+85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime	at Tc 80°C: 50,000 hrs @ 230 Vac; at Tc 70°C: 100,000 hrs @ 230 Vac
Maximum Tc temperature	80°C

### Safety & EMC compliance

ENEC+CE
EN 61347-1:2015/A1:2021
EN 61347-2-13:2014/A1:2017
EN IEC 62384:2020
EN IEC 55015:2019/A11:2020
EN IEC 61547:2023
EN IEC 61000-3-2:2019/A1:2021
EN 61000-3-3:2013/A2:2021
EN62493:2015/A1:2022

CCC
GB17625.1-2022
GB/T17743-2021
GB19510.1-2009
GB19510.14-2009

SAA
AS/ 61347.2.13:2018
AS/NZS 61347.1:2016+ A1 Lamp Control Gear- Part 2-13

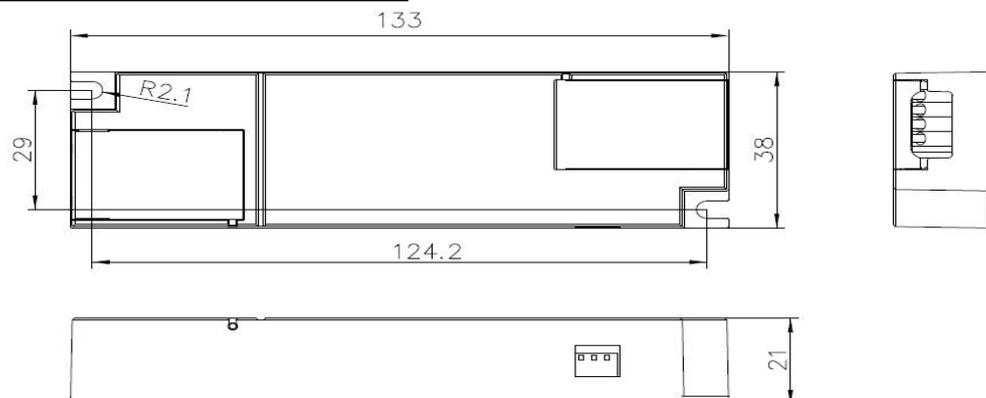
### Dimensions

#### Housing dimensions

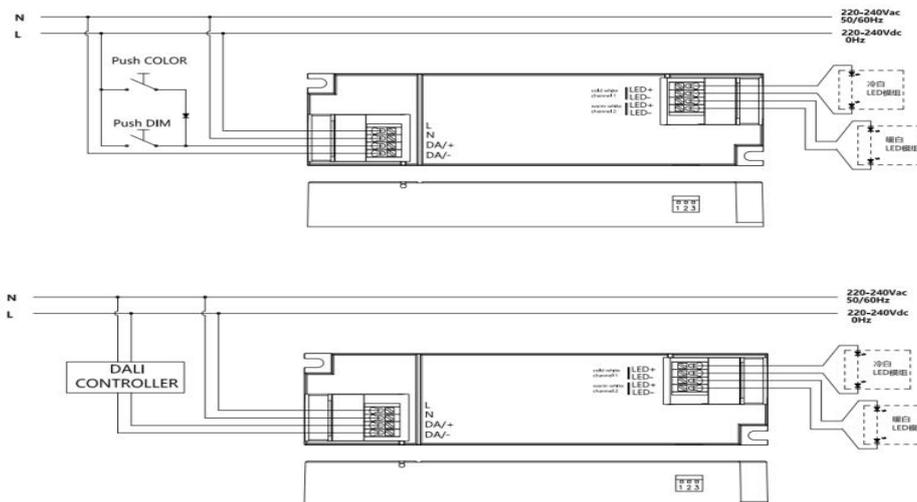
Length (L)	133 mm
Width (W)	38 mm
Height (H)	21 mm
Weight	0.071 kg

#### Packaging details

Packing units	86 pcs
Carton size	352 × 276 × 138 mm
Weight	6.77 kg

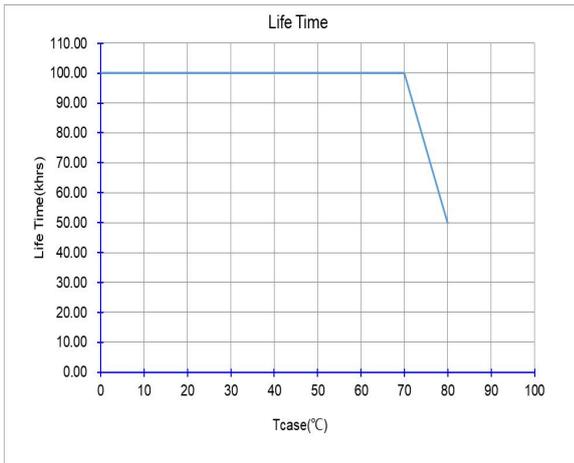
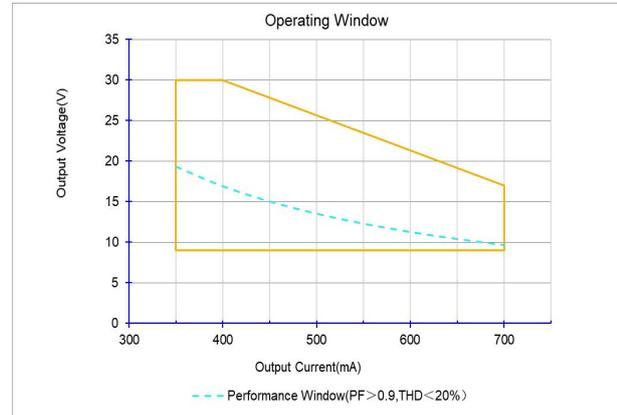
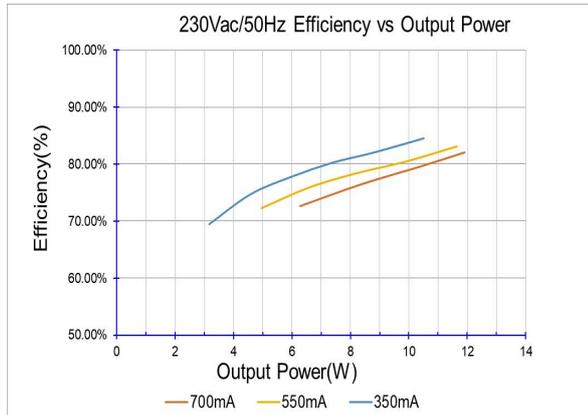
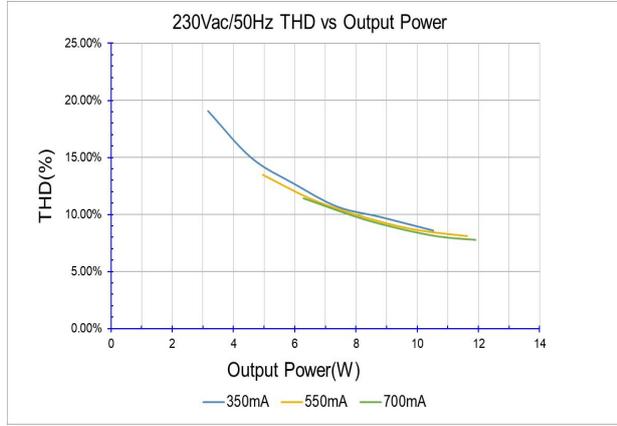
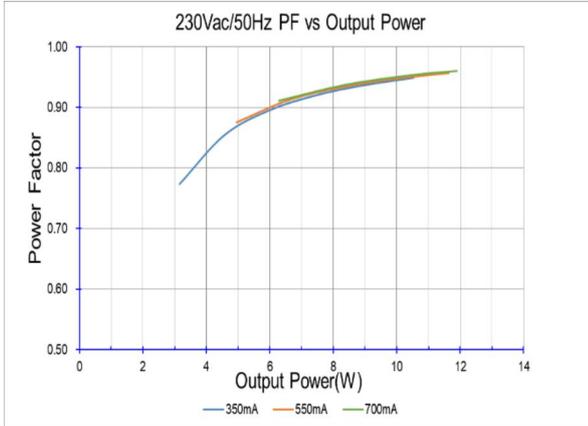


### Wiring diagram



- 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.

### Technical information



### ADJUSTABLE OUTPUT CURRENT WITH DIPSWITCH

Vout	Pout	Iout	1	2	3
9... 30 Vdc	10.5 W	350 mA	-	-	-
9... 30 Vdc	12 W	400 mA	-	-	ON
9... 26 Vdc	11.7 W	450 mA	-	ON	-
9... 24 Vdc	12 W	500 mA	-	ON	ON
9... 21 Vdc	11.6 W	550 mA	ON	-	-
9... 20 Vdc	12 W	600 mA	ON	-	ON
9... 18 Vdc	11.7 W	650 mA	ON	ON	-
9... 17 Vdc	11.9 W	700 mA	ON	ON	ON