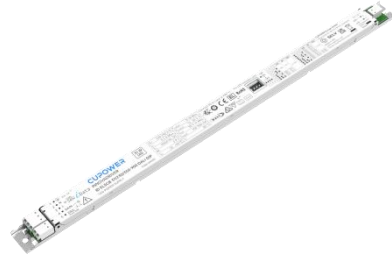


Product features

- Isolated adjustable power LED driver
- Supports DALI-2, push DIM
- Supports i-Data function (DALI part 251, 252, 253)
- Output current 350...900 mA by DIP Switch adjust
- Max. output power 31 W
- Flicker-free, dimming range 1%...100% (amplitude dimming)
- Current output default value 100%
- For luminaires with protection class I
- Constant lumen output (CLO)
- Anti-glow



Product specifications

164530 ID ELSCB 31/230/350-900 DALI DIP

Output current	Input voltage	Output voltage	Efficiency @ full load	Current accuracy	Power factor	Dimension L x W x H (mm)
350...900 mA	220...240 Vac	12...38 Vdc	90%	± 5%	0.9	360.0 x 20.0 x 11.0

Electrical specifications

Mains voltage supply

Rated input voltage range	220...240 Vac
Max. input voltage range	198...264 Vac
Rated frequency range	50/60 Hz
Max. input current	0.17 A @ 230 Vac

Protection against voltage peaks

Withstand voltage	I/P-O/P: 3 kVac, < 5mA 60 s; I/P-DA/P: 1.5 kVac, < 5 mA 60 s; O/P-DA/P: 1.5 kVac, < 5 mA 60 s
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	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 50 V
Overpower protection	The output power is less than or equal to 38 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	≤ 0.3 W
Dimming mode	DALI-2, push DIM
Dimming method	Amplitude dimming
Dimming current range	1%...100%

Connection terminals

Connection terminal type	0° push in terminal
Wire cross section	Input wire: 0.5...1.5 mm ² ; 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-switch adjusts the current: 350 mA, 400 mA, 450 mA, 500 mA, 550 mA, 600 mA, 650 mA, 700 mA, 750 mA, 800 mA; 850 mA, 900 mA,
Default current	350 mA
Output voltage range	12...38 Vdc

Circuit breaker / Inrush current

MCB loading quantity	Inrush current I _{peak} :31.8			Inrush current T _{width} :72.5	
	MCB type	B10	C10	B16	C16
	Units	53	53	86	86

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.

Environmental specifications

Operating temperature	-20...+55°C
Storage temperature	-25...+85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime	at Tc 80°C: 50,000 hrs @ 230 Vac
Maximum Tc temperature	80°C

Safety & EMC compliance

ENEC+CE	CCC	SAA
EN 61347-1: 2015/A1:2021	/	/
EN 61347-2-13: 2014/A1: 2017	/	/
EN 62384: 2020	/	/
EN 301 489-1 V2.2.3:2019	/	/
EN 301 489-3V2.3.2: 2023	/	/
EN 55015:2019/A11: 2020	/	/
EN 61547: 2023	/	/
EN 61000-3-2:2019/A1: 2021	/	/
EN 61000-3-3:2013/A2: 2021	/	/

Dimensions

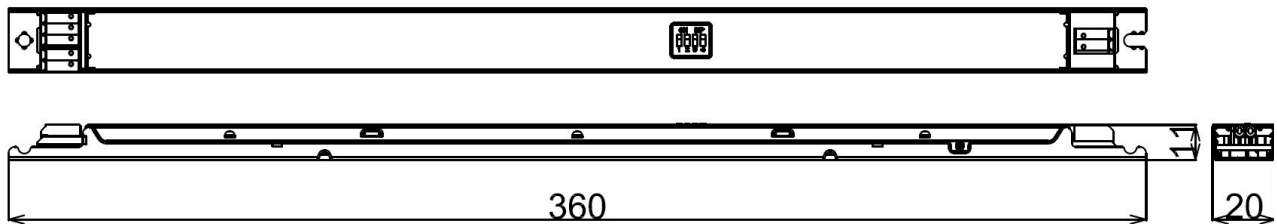
Housing dimensions

Length (L)	360.0 mm
Width (W)	20.0 mm
Height (H)	11.0 mm

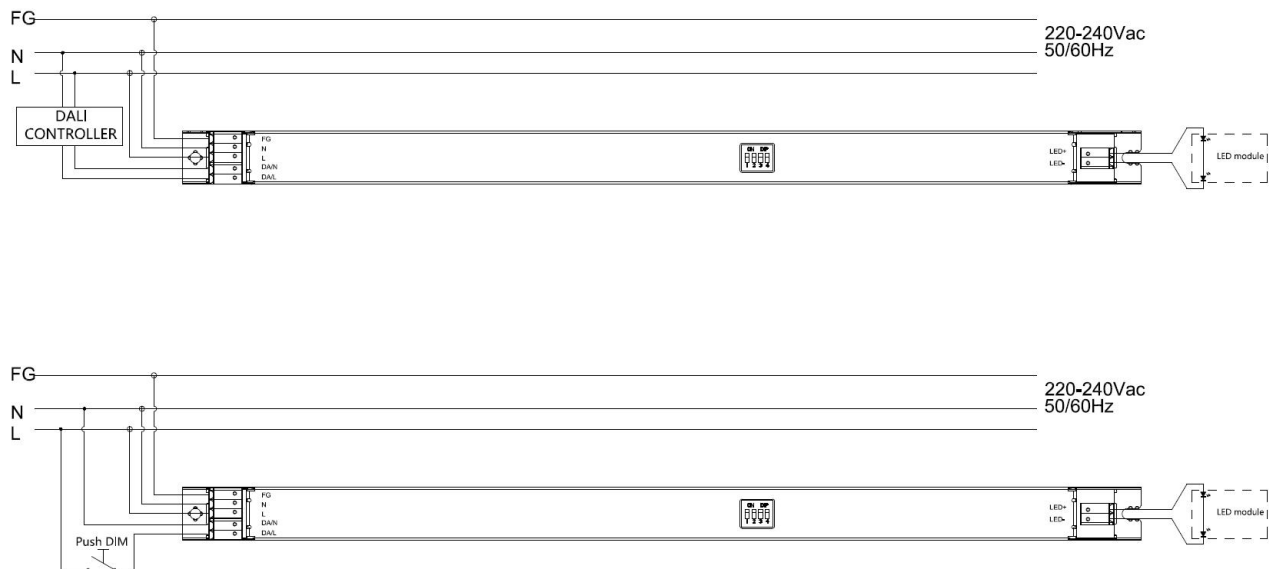
For all dimensions: values in mm; tolerances: ± 0.5 mm

Packaging details

Packing units	70 pcs
Carton size	381 × 215 × 116 mm
Carton weight	10.2kg
Product weight	0.1352kg

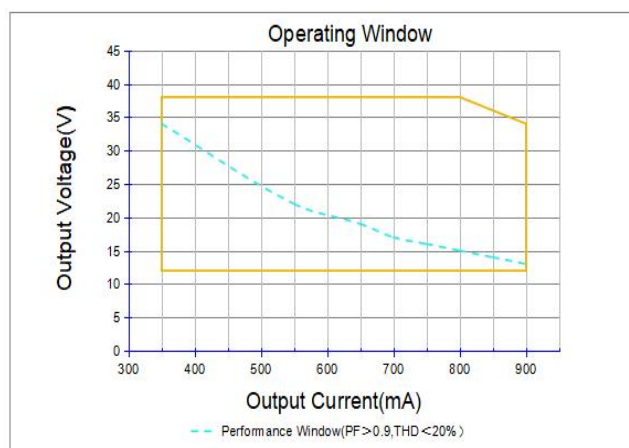
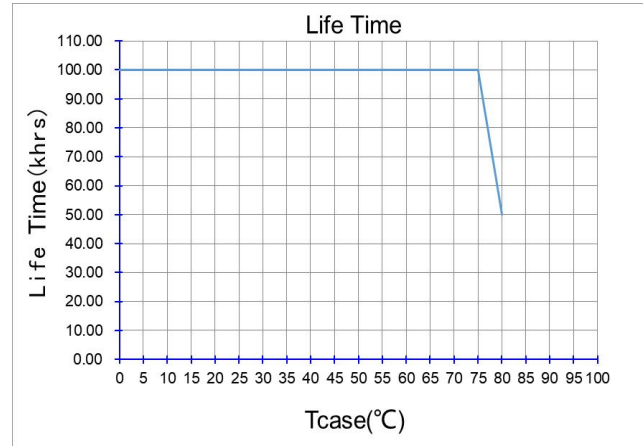
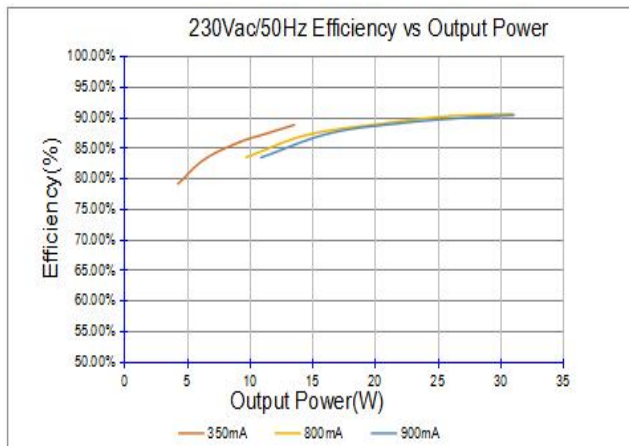
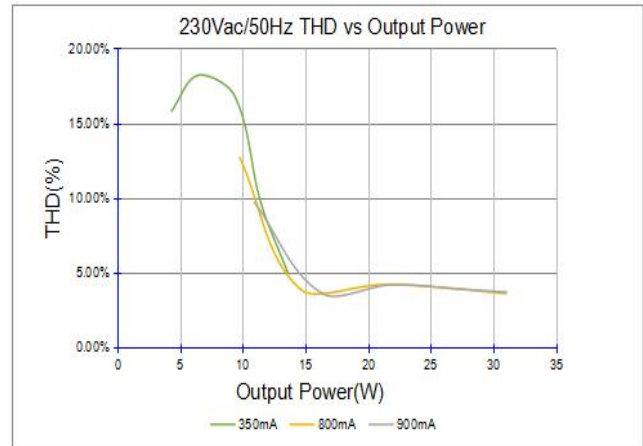
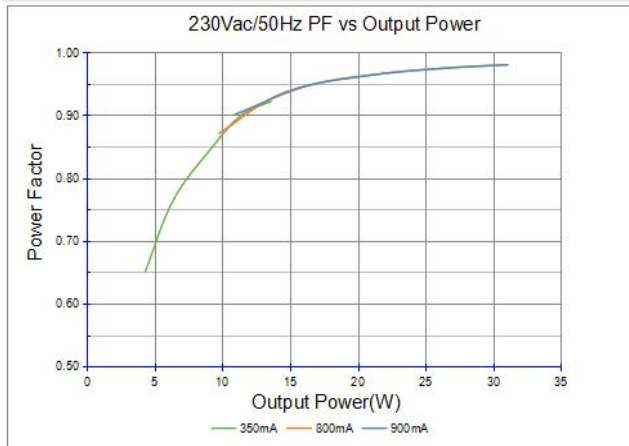


Wiring diagram



- 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).
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

Technical information



Adjustable output current with DIP-switch						
Vout (V)	Pout (W)	Iout (mA)	1	2	3	4
12-38	13.3	350	-	-	-	-
			-	-	-	ON
			-	-	ON	-
			-	-	ON	ON
			-	ON	-	-
	15.2	400	-	ON	-	ON
	17.1	450	-	ON	ON	-
	19.0	500	-	ON	ON	ON
	20.9	550	ON	-	-	-
	22.8	600	ON	-	-	ON
	24.7	650	ON	-	ON	-
	26.6	700	ON	-	ON	ON
12-36	28.5	750	ON	ON	-	-
	30.4	800	ON	ON	-	ON
	32.3	850	ON	ON	ON	-
12-34	32.4	900	ON	ON	ON	ON