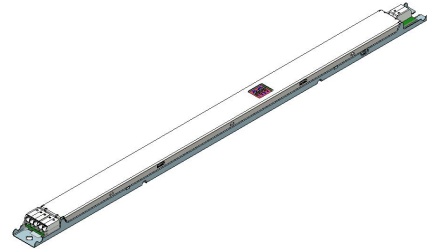


### Product features

- Isolated adjustable power LED driver
- Supports DALI-2, push DIM
- Supports i-Data function (DALI part 251, 252, 253)
- Output current: 350...900 mA
- Max. output power 32.4 W
- Flicker-free, dimming range 1%...100% (amplitude dimming)
- Current output default value 100%
- For luminaires with protection class I, II
- 5-year warranty



### 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 LxWxH (mm)
350...900 mA	220...240 Vac	12...38 Vdc	TBD	± 5%	0.9	360 x 20 x 11

### 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 sec; I/P-DA/P: 1.5 kVac, < 5 mA 60 sec; O/P-DA/P: 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	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	≤ 0.5 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 <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	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 <sub>peak</sub> : TBD			Inrush current T <sub>width</sub> : TBD	
	MCB type	B10	C10	B16	C16
	Units	TBD	TBD	TBD	TBD

## 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...+40°C
Storage temperature	-25...+85°C
Working humidity	10%...90%
Store humidity	5%...95%
Lifetime	TBD
Maximum Tc temperature	TBD

### Safety & EMC compliance

ENEC+CE	CCC	SAA

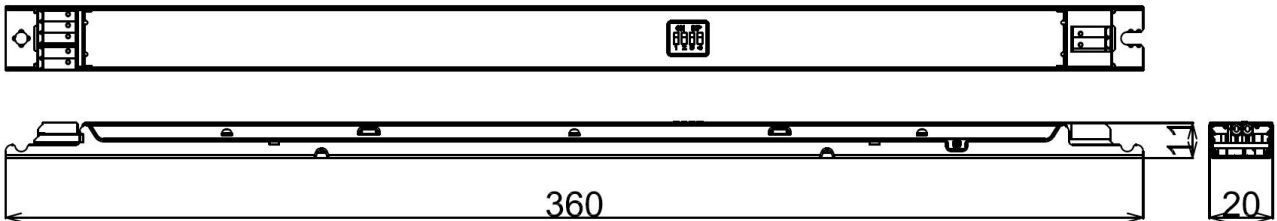
### Dimensions

#### Housing dimensions

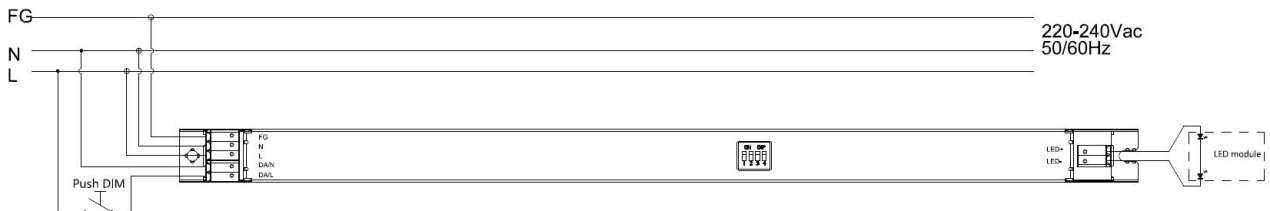
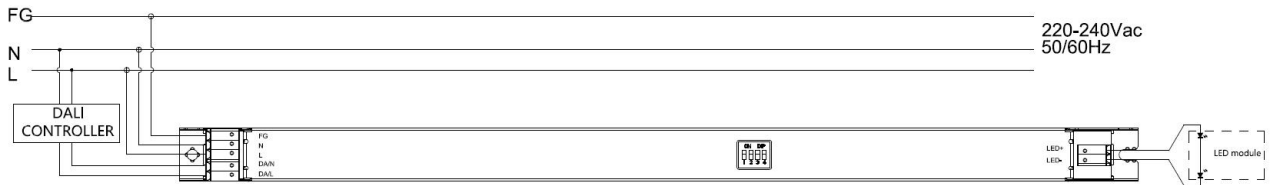
Length (L)	360 mm
Width (W)	20 mm
Height (H)	11 mm
Weight	TBD kg

#### Packaging details

Packing units	TBD pcs
Carton size	TBD mm
Weight	TBD kg

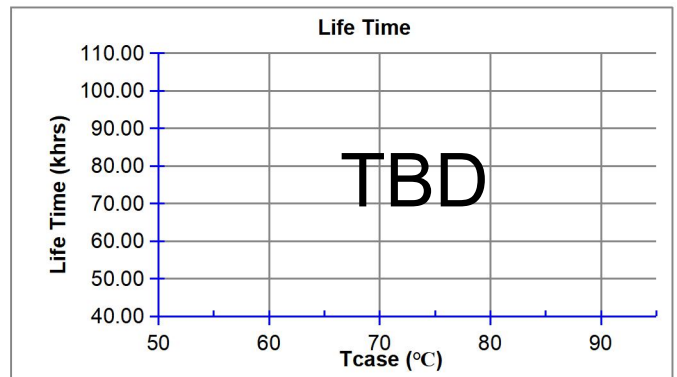
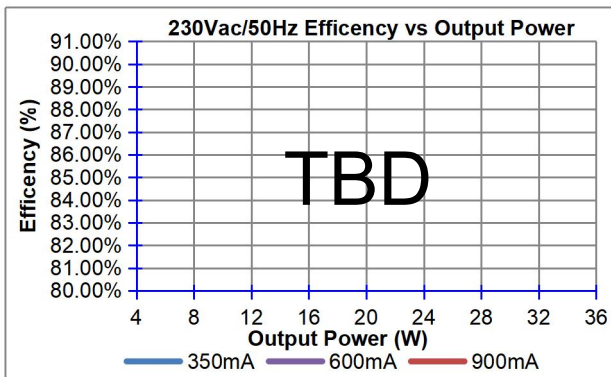
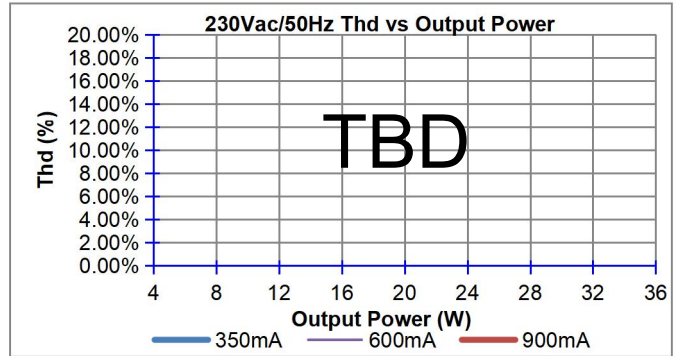
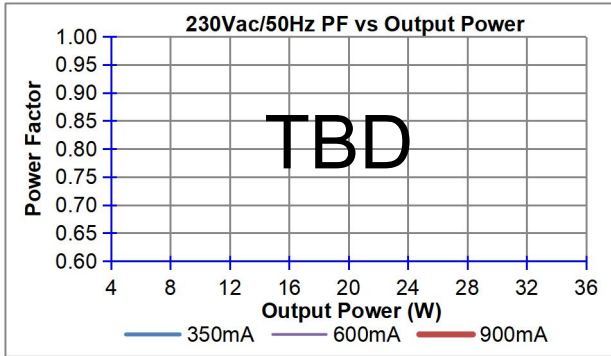


### Wiring diagram

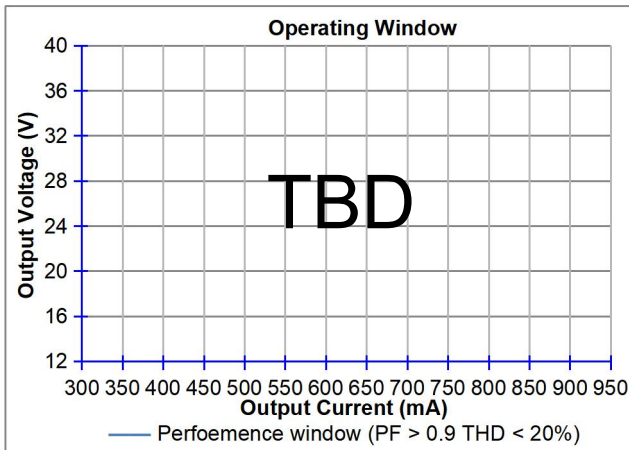


- All connections must be as short as possible to ensure good EMI performance.
- The luminaire wire should keep a certain distance from the LED power supply and other wires (5...10 cm is preferred).
- Incorrect wiring can damage the LED.
- The wire must be well protected against short circuit.

### Technical information



It's important to set the output current (AOC value) according to the LED voltage and make sure the power is within 31 W + 5%.



#### 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
	15.2	400	-	ON	-	-
			-	ON	-	ON
			-	ON	ON	-
			ON	-	-	-
			ON	-	ON	ON
			ON	ON	-	-
12-36	32.4	900	ON	ON	ON	ON
			ON	ON	ON	-
			ON	ON	ON	-
			ON	ON	ON	ON