

Product features

- Built-in non isolated adjustable power LED driver
- Output current 400...700 mA by DIP Switch adjust
- Flicker free LED driver
- Output current 400 mA; 450 mA; 650 mA; 700 mA;
- Max. output power 100 W
- For luminaries of protection class I
- 5-year warranty



Product specifications

160204 ID LCCB 100/230/400-700 DIP FV1

| Output current | Input voltage | Output voltage | Efficiency @full load | Current accuracy | Power factor | Dimension LxWxH (mm) |
|----------------|--------------------------------|----------------|-----------------------|------------------|--------------|----------------------|
| 400 mA | 220...240 Vac 220...240 Vdc | 50...220 Vdc | 94% | ± 5% | 0.9 | 278x30x21 |
| 450 mA | | 50...220 Vdc | 94% | | | |
| 650 mA | | 50...153 Vdc | 93% | | | |
| 700 mA | | 50...143 Vdc | 93% | | | |

Electrical specifications

Mains voltage supply

| | |
|---------------------------|------------------|
| Rated input voltage range | 220...240 Vac |
| Max. input voltage range | 176...264 Vac |
| Rated frequency range | 0/50/60 Hz |
| Max. input current | 0.52 A @ 230 Vac |

Battery operation

| | |
|-----------------------|---------------|
| DC voltage range | 220...240 Vdc |
| Max. DC voltage range | 176...275 Vdc |

Protection against voltage peaks

| | |
|----------------------|---------------------------------|
| Withstand voltage | I/p-FG: 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% |
|--|-----|

Output data

| | |
|--------------------------|--|
| Output current tolerance | ± 5% at rated input voltage range @ rated load |
| No load output voltage | 250 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 250 V |
| 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 | - |
|---------------------------|---|

Connection terminals

| | |
|--------------------------|--|
| Connection terminal type | 90° push in terminal |
| Wire cross section | Input and output wire: 0.5...1.5 mm ² |
| Wire stripping length | 7...8 mm |

Degree of protection

| | |
|-------------------|------|
| Protection rating | IP20 |
|-------------------|------|

Operating data

| | |
|----------------------|--|
| Output current range | Output current 400...700 mA by DIP Switch adjust |
| Default current | 400 mA |
| Output voltage range | 50...220 Vdc |

Circuit breaker / Inrush current

| | | | | | |
|----------------------|---|-----|-----|--|-----|
| MCB loading quantity | Inrush current I _{peak} : 25.1 A | | | Inrush current T _{width} : 146 µs | |
| | MCB type | B10 | C10 | B16 | C16 |
| | Units | 17 | 17 | 27 | 27 |

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 | -25...+55°C |
| Storage temperature | -40...+80°C |
| Working humidity | 10%...90% |
| Store humidity | 5%...90% |
| Lifetime | at Tc 75°C: 50,000 hrs; at Tc 65°C: 100,000 hrs; @ 230 Vac |
| Maximum Tc temperature | 90°C |

Safety & EMC compliance

| ENEC+CE |
|----------------------------|
| EN 61347-2-13:2014/A1:2017 |
| EN 61347-1:2015 |
| EN 62384:2006/A1:2009 |
| EN 55015:2013/A1:2015 |
| EN61000-3-2:2014 |
| EN61000-3-3:2013 |
| EN61547:2009 |

| CCC |
|-----------------|
| GB17625.1-2012 |
| GB/T17743-2017 |
| GB/19510.1-2009 |
| GB19510.14-2009 |

| SAA |
|----------------------------|
| AS/NZS IEC 61347.2.13.2013 |
| AS/NZS 61347.1:2016 |

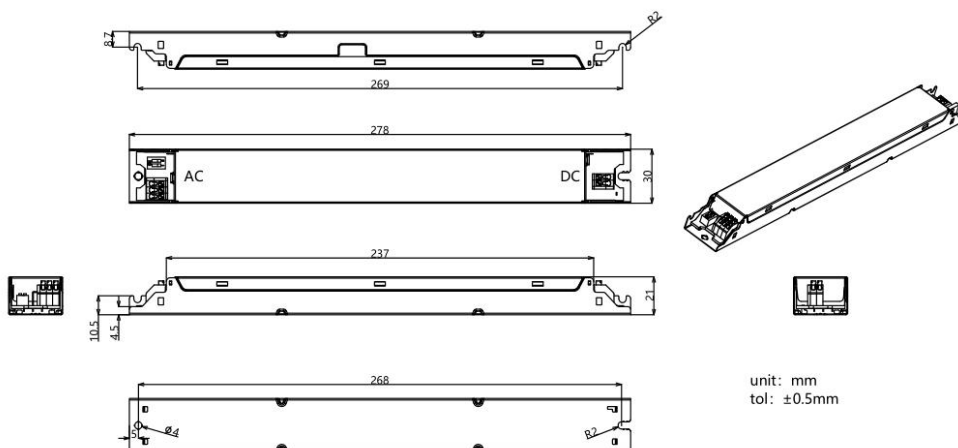
Dimensions

Housing dimensions

| | |
|------------|----------|
| Length (L) | 278 mm |
| Width (W) | 30 mm |
| Height (H) | 21 mm |
| Weight | 0.182 kg |

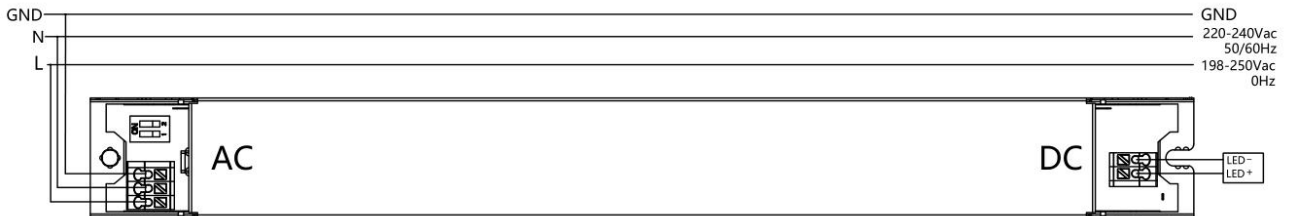
Packaging details

| | |
|---------------|--------------------|
| Packing units | 56 pcs |
| Carton size | 375 x 325 x 185 mm |
| Weight | 10.7 kg |



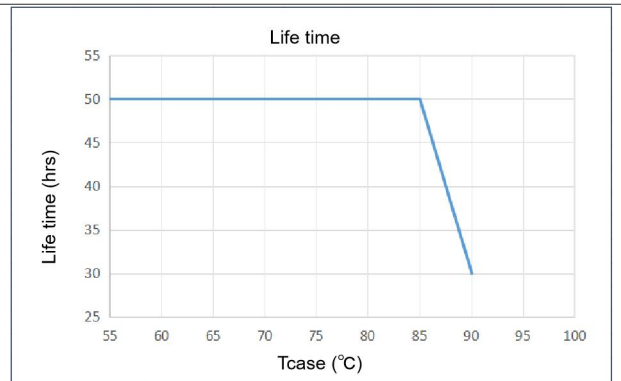
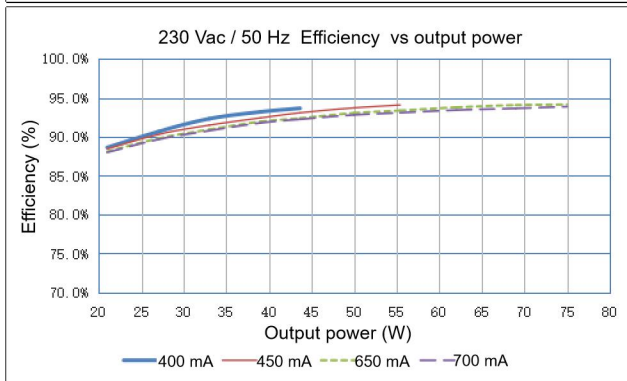
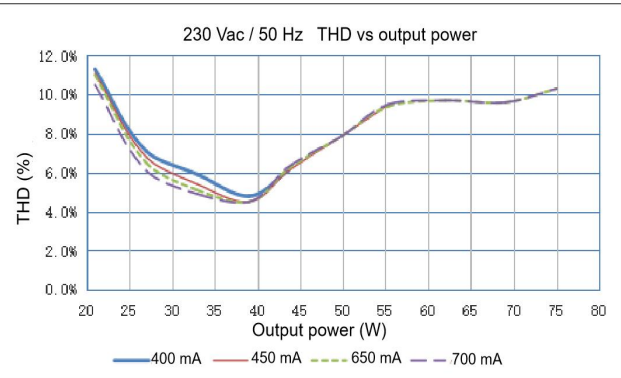
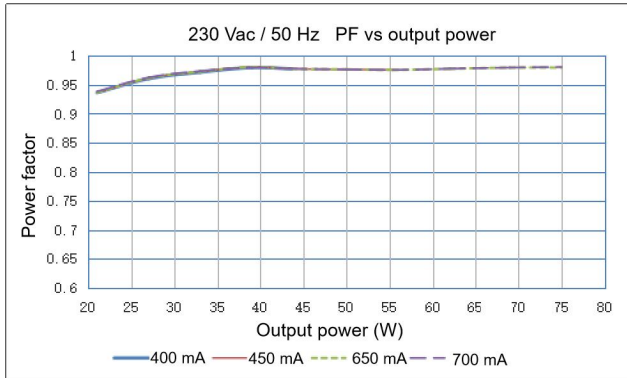
unit: mm
tol: ±0.5mm

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.

Technical information



Adjust able output current with dip-switch

| Vout | Pout | Iout | 1 | 2 |
|--------------|---------|--------|----|----|
| 50...220 Vdc | 88 W | 400 mA | - | - |
| 50...220 Vdc | 99 W | 450 mA | - | ON |
| 50...153 Vdc | 99.45 W | 650 mA | ON | - |
| 50...143 Vdc | 100.1 W | 700 mA | ON | ON |