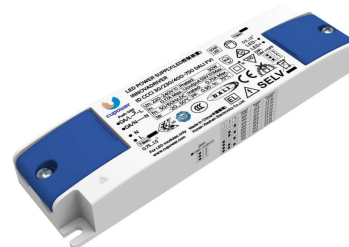


ID CCCI 30/230/400-750 DALI FV1

| |
|--|
| Stand alone type Dimmable adjustable output power LED driver |
| Support DALI-2, Push Dimming |
| Flicker free LED driver |
| Output current 400-750mA by DIP Switch adjust |
| Max. output power 30W |
| Constant lumen output(CLO) |
| For luminaires of protection class I,II |
| 5-year warranty |



| ELECTRICAL SPECIFICATIONS | | |
|-----------------------------------|--|------------------------------|
| Rated input voltage range: | 220 ... 240 Vac | |
| Max. input voltage range: | 198 ... 264 Vac | |
| DC voltage range : | 220 ... 240 Vdc | |
| Max. DC voltage range : | 176 ... 276 Vdc | |
| Rated frequency range: | 0 / 50 / 60 Hz | |
| Max. input current: | 0.17 A @ 230 Vac | |
| Total harmonic distortion (max.): | ≤ 20 % at rated input voltage range @ full load | |
| MCB Loading Quantity: | Inrush current I peak: 4 A | Inrush current T width: 25μs |
| | MCB Type: | B10 C10 B16 C16 |
| | Qty (PCS): | 54 54 86 86 |
| Output current tolerance: | ± 5 % at rated input voltage range @ rated load | |
| Default current: | 750mA | |
| No load output voltage: | ≤ 59 Vdc | |
| Standby power consumption: | ≤ 0.5W | |
| Ripple output current: | Peak-to-average value(≤ 3KHz) ≤ 5% | |
| Output PST: | ≤1 | |
| Output SVM: | ≤0.4 | |
| Dimming: | Dimming mode: | DALI-2, Push Dimming |
| | Dimming method: | Amplitude dimming |
| | Dimming current range: | 1%~100% |
| Withstand voltage: | I/P-O/P: 3.0 kVac, < 5 mA 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 | |
| Connection terminal type: | 45° push in terminal | |
| Wire cross section: | Primary side: 0.75 - 1.5 mm ² ; secondary side: 0.5 - 1.5 mm ² | |
| Wire stripping length: | 7 - 8 mm | |
| Protection rating: | IP 20 | |



| | |
|-------------|---|
| Protection: | Over voltage protection: The output voltage is less than or equal to 59V |
| | Over power protection: The output power is less than or equal to 35W |
| | Short circuit protection: Hiccup mode. Protection device will trigger when short circuit and will auto recover after the fault mode is removed. |
| | Over-Temperature Protection: Protection device will trigger when ambient temperature rises to 75°C. Automatic recovering. |

ELECTRICAL SPECIFICATIONS

| | |
|----------------------------|--|
| Supplementary instruction: | The luminaire manufacturer is responsible for measuring and verifying 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 Push-dim function: please follow up our instruction which can be downloaded from https://pro6e7b4a-pic48.websiteonline.cn/upload/CupowerPushDimManualV7042022.pdf |

ENVIRONMENTAL SPECIFICATIONS

| | |
|-------------------------|--|
| Operating temperature: | -20 to 50° C |
| Storage temperature: | -40 to 80° C |
| Working humidity: | 10 % to 90 % |
| Store humidity: | 5 % to 90 % |
| Driver lifetime: | at Tc ≤ 75° C: 50,000 hrs; at Tc ≤ 65° C: 100,000 hrs; @230Vac |
| Maximum Tc temperature: | 75° C |

PRODUCT SPECIFICATIONS

| Model Number (Full Model) | Output Current | Input Voltage | Output Voltage | Efficiency @full load | Current Accuracy | Power Factor | Dimension L*W*H (mm) |
|---------------------------------------|----------------|--------------------------|----------------|-----------------------|------------------|--------------|----------------------|
| ID CCCI 30/230/400-750 DALI FV1 | 400-550mA | 220-240Vac 220-240Vdc | 2.5-52Vdc | 86% | ±5% | ≥0.9 | L160*W43*H21 |
| | 600mA | | 2.5-50Vdc | 86% | | | |
| | 650mA | | 2.5-46Vdc | 87% | | | |
| | 700mA | | 2.5-42Vdc | 87% | | | |
| | 750mA | | 2.5-40Vdc | 88% | | | |

SAFETY AND EMC COMPLIANCE

| | | | | | |
|-------------|---------------------------|-----|-----------------|-----|----------------------------|
| ENEC+ CE | EN61347-2-13:2014/A1:2017 | CCC | GB17625.1-2012 | SAA | AS/NZS IEC 61347.2.13.2013 |
| | EN 61347-1:2015 | | GB/T17743-2017 | | AS/NZS 61347.1:2016 |
| | EN 62384:2006/A1:2009 | | GB/19510.1-2009 | | |
| | EN 55015:2013/A1:2015 | | GB19510.14-2009 | | |
| | EN61000-3-2:2014 | | | | |
| | EN61000-3-3:2013 | | | | |
| | EN61547:2009 | | | | |



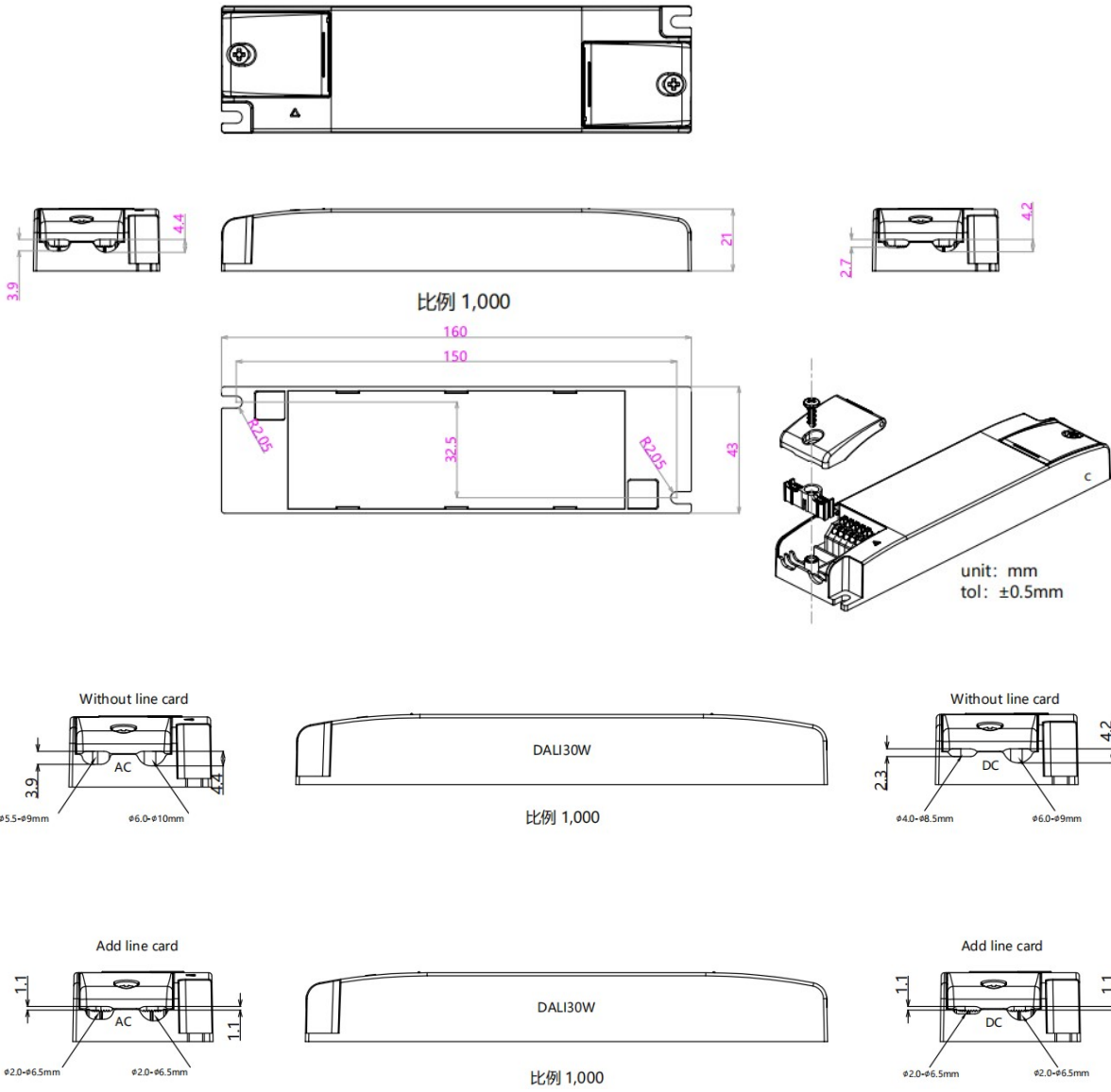
| PHYSICAL DIMENSIONS | |
|---------------------|--------|
| Length (L): | 160 mm |
| Width (W): | 43 mm |
| Height (H): | 21 mm |

| PACKAGING | |
|----------------|--------------------|
| 0.11kg / unit | 50pcs / carton |
| Carton size: | 335 x 225 x 145 mm |
| Carton weight: | 6kg |

| ADJUSTABLE OUTPUT CURRENT WITH DIP-SWITCH | | | | | |
|---|-------|-------|----|----|----|
| Vout | Pout | Iout | 1 | 2 | 3 |
| 2.5-52Vdc | 20.8W | 400mA | - | - | - |
| 2.5-52Vdc | 23.4W | 450mA | - | - | ON |
| 2.5-52Vdc | 26.0W | 500mA | - | ON | - |
| 2.5-52Vdc | 28.6W | 550mA | - | ON | ON |
| 2.5-50Vdc | 30.0W | 600mA | ON | - | - |
| 2.5-46Vdc | 29.9W | 650mA | ON | - | ON |
| 2.5-42Vdc | 29.4W | 700mA | ON | ON | - |
| 2.5-40Vdc | 30.0W | 750mA | ON | ON | ON |

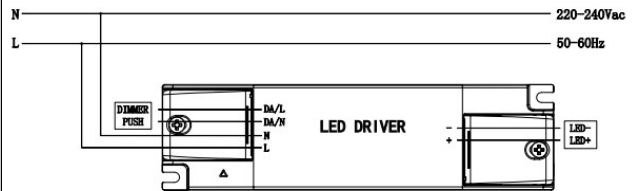
“ON” Indicates that DIP switch is on, “-” Indicates that DIP switch is off

DIMENSIONS

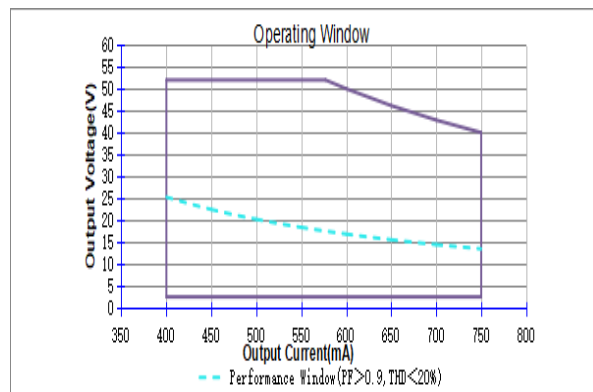
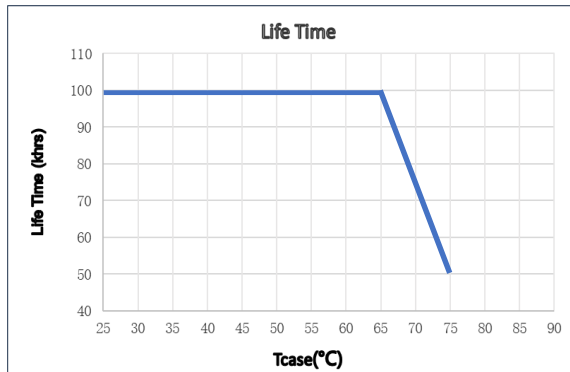
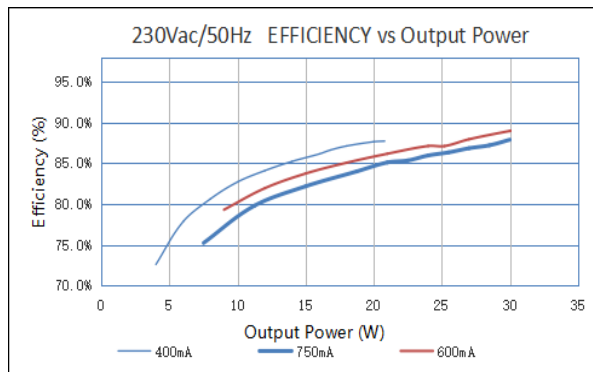
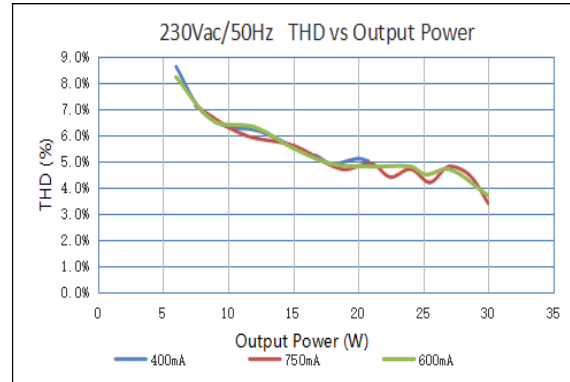
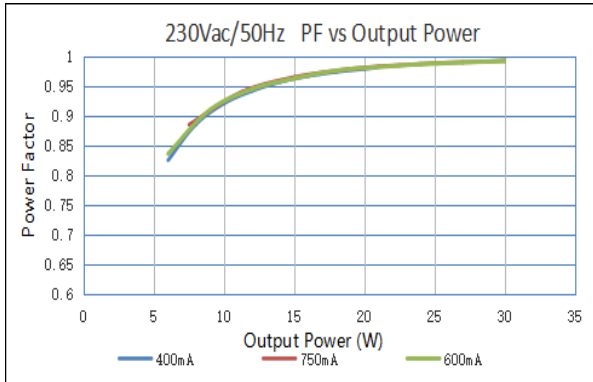


WIRING DIAGRAM

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



TECHNICAL INFORMATION



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