

Features:



- Constant Current mode output with multiple levels selectable by dip switch
- DALI 2 dimming function (IEC62386)
- AC input: 100-277VAC
- Built-in active PFC function
- Efficiency up to 79%
- Protections: Short circuit/ Over load/ Over temperature
- Cooling by free air convection
- Suitable for intelligent LED lighting



Models

ELED-10-C100/450DP2

Output Specifications

| | 450mA | 400mA | 350mA | 300mA | 250mA | 200mA | 150mA | 100mA |
|-------------------|--------|-------|-------|-------|-------|-------|-------|-------|
| Rated Current | TTT | LTT | TLT | LLT | TTT | LTT | TLL | LLL |
| Current Tolerance | ± 25mA | | | | | | | |
| Output Voltage | 3-22V | 3-25V | 3-29V | 3-33V | 3-40V | 3-42V | 3-42V | 3-42V |
| Rated power | 10W | 10W | 10W | 10W | 10W | 8.4W | 6.3W | 4.2W |

Input Specifications

| | | | | | | | | |
|-----------------------------|-----------------------------|------|------|------|------|------|------|------|
| Voltage Range | 100-277VAC | | | | | | | |
| Frequency Range | 47-63Hz | | | | | | | |
| Inrush Current | 5.68A (Twidth=7.2µs 230VAC) | | | | | | | |
| Power Factor (Typ.) | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 | 0.95 |
| Full Load Efficiency (Typ.) | 79% | 79% | 79% | 79% | 79% | 79% | 79% | 79% |
| AC Current (Typ.) | 0.15A | | | | | | | |
| Leakage Current | <0.50mA/220VAC | | | | | | | |

Protection

| | |
|------------------|--|
| Short Circuit | Constant Current mode, recovers automatically after fault condition is removed |
| Over Load | ≤120% |
| Over Current | ≤1.4*I out |
| Protection Class | II |

Environment

| | |
|-------------------------------|-------------------------------------|
| Working Temperature | -40~+60°C (Refer to derating curve) |
| Working Humidity | 20-90% RH, non-condensing |
| Storage Temperature, Humidity | -40~+80°C, 10-95% RH |

Environment

| | |
|-------------------------|--|
| Temperature Coefficient | ±0.03%/°C (0-50°C) |
| Vibration | 10-500Hz, 2G 12min./ 1 cycle, period for 60min.each along X, Y, Z axes |

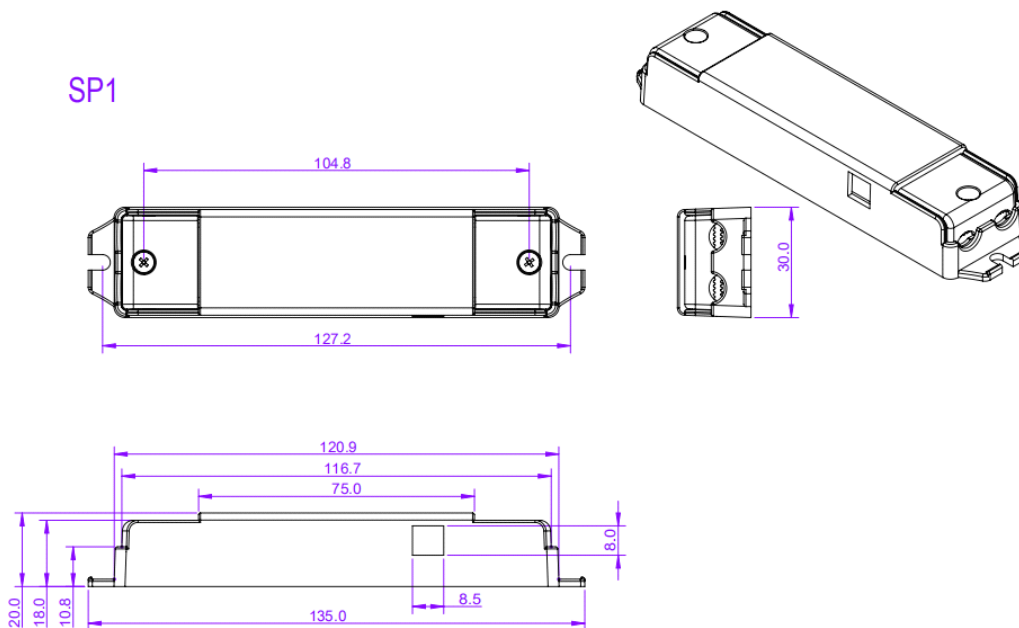
Safety & EMC

| | |
|----------------------|---|
| Safety standards | EN61347-1, EN61347-2-13, UL8750 |
| Withstand voltage | I/P-O/P:3.75KVAC |
| Isolation resistance | I/P-O/P:100MQ/500VDC/25°C/70%RH |
| EMC Emission | Compliance to EN55015, EN61000-3-2,3 (≥50% load), FCC Part 15B |
| EMC Immunity | Compliance to EN61000-4-2,3,4,5,6,11, EN61547, A light industry level (surge 4KV) |

Other Specifications

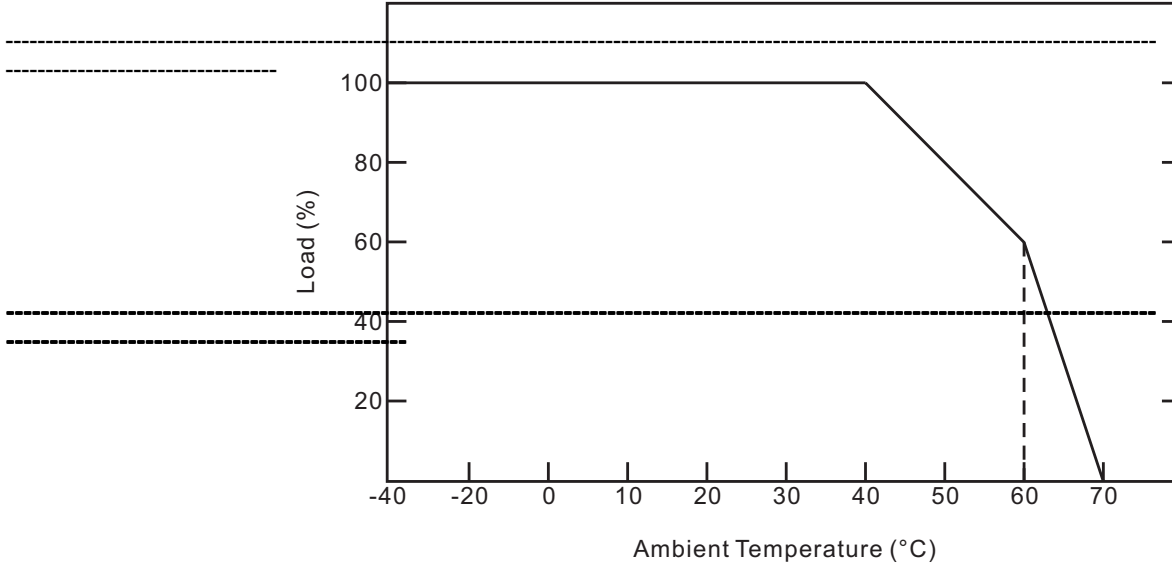
| | |
|---------|--------------------------------|
| Weight | 0.12 kg |
| Size | 135 x 30x 20 mm |
| Packing | 320 x 280 x 215 mm (50PCS/CTN) |

Mechanical Specifications



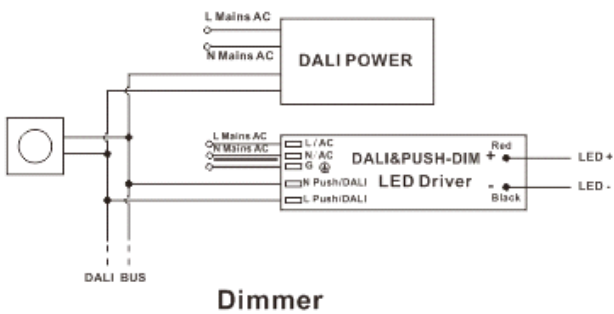
- ※Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)
- ※Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
- ※DALI or PUSH Dim. terminals with DG126 terminals 2P:
when DALI dimming, signal dimming DA1, DA2 (No polar) connected to the BUS of the DALI Master;
when PUSH dimming, (N) is connected to AC (N) while white (L) is connected to Push dim switch dimmer(L) ;
- ※Suggested wire diameter: Input 0.75-2mm²; Output:0.5-2mm².
- ※Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.
- ※Note: Any other requests we can customized.

Derating Curve

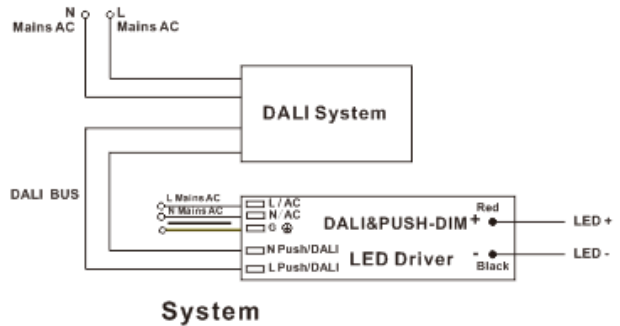


Dimming Operation

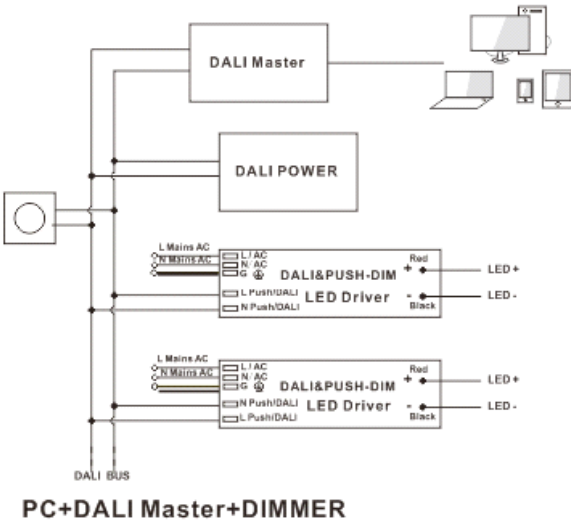
DALI Dimming Wiring Diagram 1



DALI Dimming Wiring Diagram 2



DALI Dimming Wiring Diagram 3



Push-Dimming Wiring Diagram 1

