

## Features:

- Constant Current mode output with multiple levels selectable by dip switch
- Dimming function: Triac/phase cut dimming
- Work with leading or trailing edge Triac dimmer
- (ON key: leading edge; 1 key: trailing edge)
- AC input: 200-240VAC
- Built-in active PFC function
- Efficiency up to 80%
- IP20 design for indoor installation
- Full protection plastic housing easy installation
- Protections: Short circuit/ Over load
- Cooling by free air convection
- Suitable for LED lighting and moving sign applications
- Strong compatibility, flicker-free dimming



## Models

ELED-40P-C300/1400T



## Output Specifications

Rated current (A)	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	
DIP Code			T		T		TT		T		T T		TT		TTT		
DIP Code		T		TT		T T		TTT		T  T		TTT		T TT		TTTT	
Output Voltage	3-65V						3-62 3-57 3-50 3-45 3-40 3-37 3-34 3-31 3-29										
Rated power	19.5	22.8	26	29.3	32.5	32.8	39	40									

## Input Specifications

Voltage Range	200-240VAC
Frequency Range	47-63Hz
Inrush Current	2.96A (Twidth=7.6μs 230VAC)
Power Factor (Typ.)	0.95
Full Load Efficiency (Typ.)	78%
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

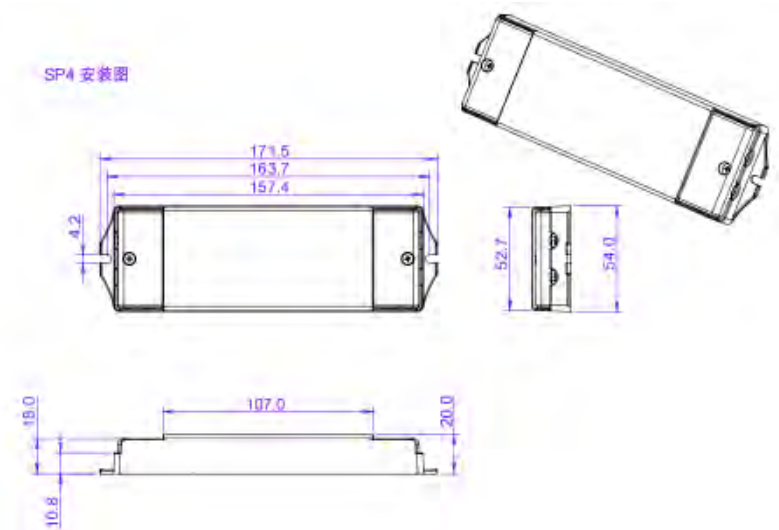
## Safety & EMC

Safety standards	EN61347-1, EN61347-2-13, UL8750
Withstand voltage	I/P-O/P:3.75KVAC
Isolation resistance	I/P-O/P:100MΩ/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	0.17 kg
Size	171.5 x 54 x 20 mm
Packing	320 x 280 x 215 mm (50PCS/CTN)

## Mechanical Specifications

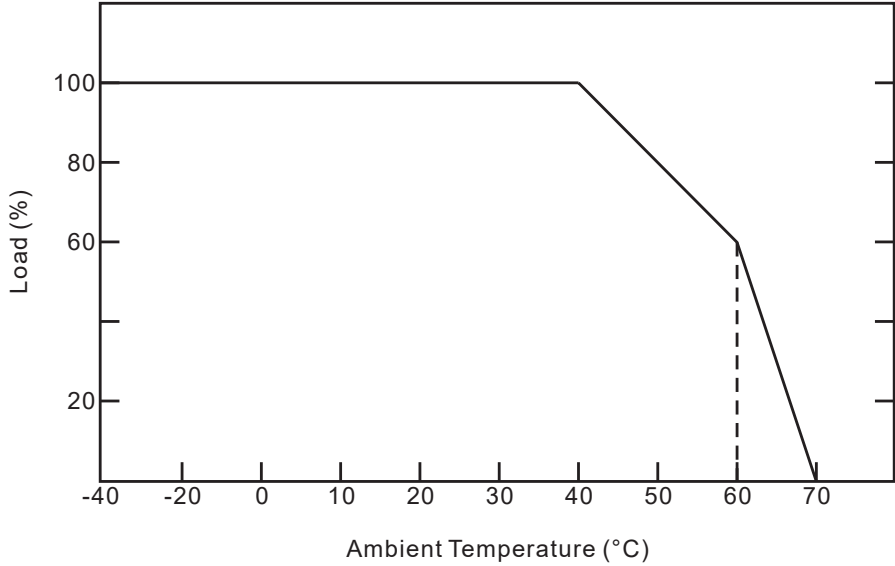


- ※Input with DG126 terminals 3P: Live Wire AC (L), Neutral Wire AC(N)
- ※Output LED SEC with DG126 terminals 2P: output Positive (LED+), output negative (LED-). Connected to LED Lamps.
- ※Suggested wire diameter: Input 0.75-2mm<sup>2</sup>; Output:0.5-2mm<sup>2</sup>.
- ※Please make sure you connect these correctly otherwise your product will not function correctly and could be damaged.
- ※Note: Any other requests we can customized.

### Dimming Operation:

- ※Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a Triac dimmer.
  - ※Usually matching with leading edge and trailing edge dimmer both.
- At input area of ELED-40 series:
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- ※please try to use the small power dimmer, have access to a wider dimming range, high-power dimmer is difficult to achieve the output current to zero
  - ※please try to use dimmers with power at least 2 times as the output power of the driver.

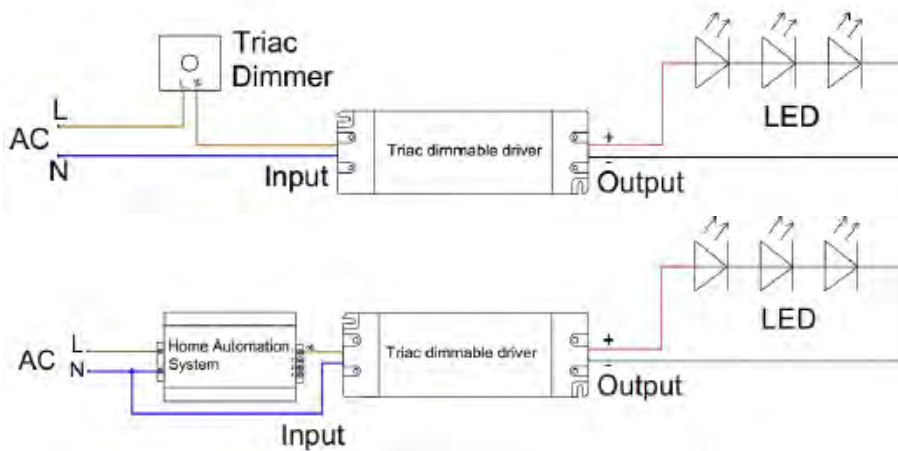
## Derating Curve



※To extend their life, please refer to the Derating Curve and derate according to the temperature.

## Dimming Operation

### ■ Connecting Diagram in Single (I)



### ■ Connecting Diagram Multiple (II)

