



SELV IP66



Features:

- Constant voltage/ PWM Output (NFC regulation)
- DALI & Push dimming function
- AC input: 200-240VAC
- Built-in active PFC function
- Efficiency up to 89%
- Protections: Short circuit/ Over load/ Over temperature
- Cooling by free air convection
- IP66 design for indoor and outdoor installation.
- Suitable for intelligent LED lighting

Models

ELED-100-12DP2

ELED-100-24DP2

ELED-100-48DP2

Output Specifications

Output Voltage	12V (12-13.5V adjust by NFC)	24V (24-26V adjust by NFC)	48V (48-50V adjust by NFC)
Voltage Tolerance	± 0.5%		
Output Current	8.34A	4.17A	2.085A
Rated Power	100W		
Load Regulation	± 2%		

Input Specifications

Input Voltage	100-277VAC		
Frequency Range	47-63Hz		
Inrush Current	59A (Twidth=210μs 230VAC)		
Full Load Efficiency (Typ.)	87%		86.4%
AC Current (Max.)	0.8A		
Leakage Current	<0.50mA		
Power Factor	PF≥0.98@120VAC PF≥0.96@230VAC PF≥0.95@277VAC (Full loading)		

Protection

Short Circuit	Constant current mode, recovers automatically after fault condition is removed
Over Loading	≤120% constant current limiting, recovers automatically after fault condition is removed
Over Temperature	100°C± 10°C
Protection Class	I

Environment

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

Safety & EMC

Storage Temperature, Humidity	-40~+80°C, 10-95% RH
Temperature Coefficient	±0.03%/°C (0-50°C)
Vibration	10-500Hz, 5G 10min./ 1 cycle, period for 60min.each along X, Y, Z axes

Safety & EMC

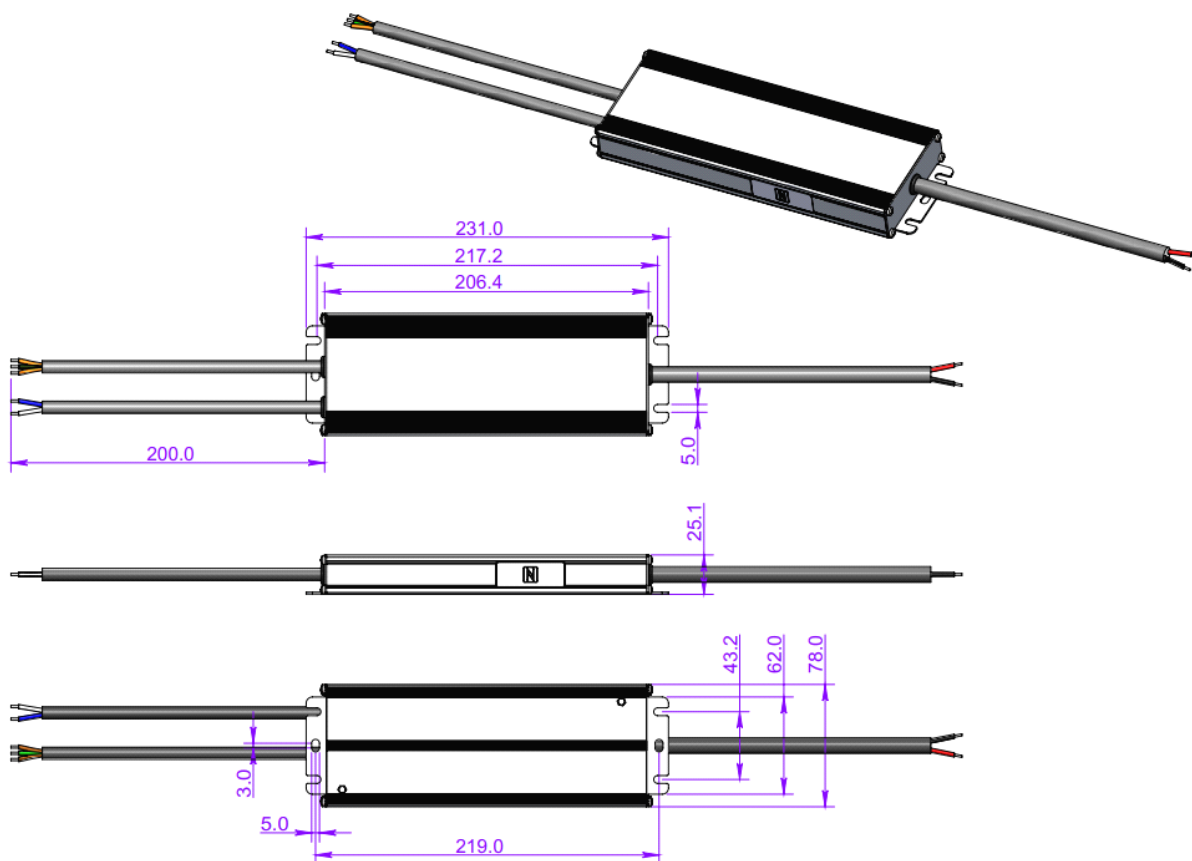
Safety standards	EN61347-1, EN61347-2-13, EN62493, IP66
Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
Isolation resistance	I/P-O/P I/P-FG O/P-FG: 100MΩ/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55015, EN61000-3-2, EN61000-3-3 (≥60% load)
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11, EN61547

Other Specifications

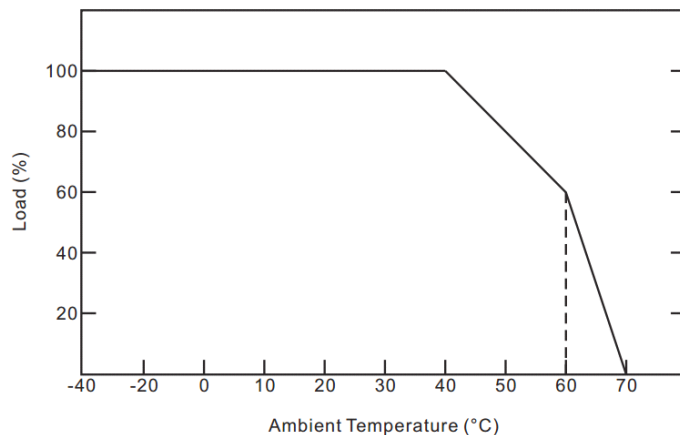
Weight	0.83 Kg
Size	231x 78 x 25.1 mm
Packing	355 x 300 x 170 mm (20PCS/CTN, 18 Kg/CTN))

Mechanical Specifications

DT100

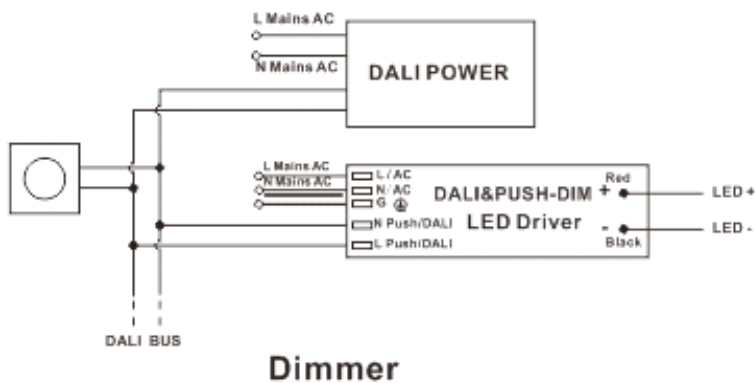


Derating Curve

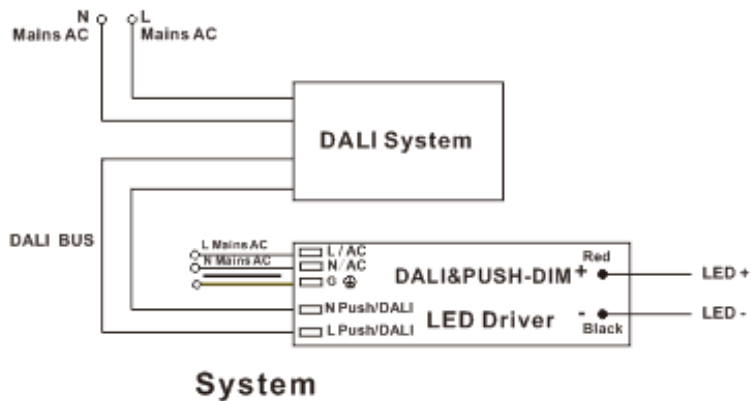


Dimming Operation

DALI Dimming Wiring Diagram1



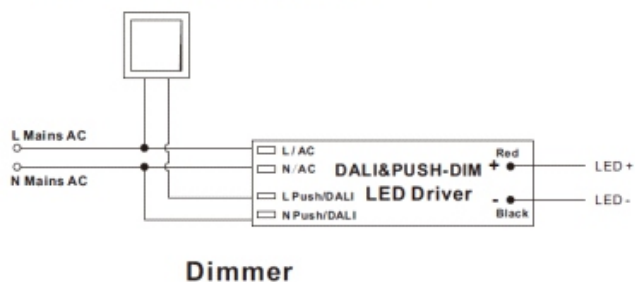
DALI Dimming Wiring Diagram2



DALI Dimming Wiring Diagram3



Push-Dimming Wiring Diagram2



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