ELED

Ecopac LED Dimmable Driver

ELED-60-DP2SL Series

60W DALI 2 & Push Dimmable LED Driver

NFC Handheld devices

EasyNFC app

Features:

- Constant voltage/ PWM Output (NFC regulation)
- DALI & Push dimming function (0-100%)
- AC input: 100-277VAC
- Built-in active PFC function
- Efficiency up to 91.5%
- Protections: Short circuit/ Over load/ Over temperature
- Cooling by free air convection
- IP20 design for indoor installation.
- Suitable for intelligent LED lighting

Models

	ELED-60-12DP2SL	ELED-60-24DP2SL	ELED-60-48DP2SL
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		± 0.2%	
Output Current	5A	2.5A	1.25A
Rated Power		60W	
Load Regulation	± 2%	± 1%	± 1%
Input Specifications			
Input Voltage		100-277VAC	
Frequency Range		47-63Hz	
Inrush Current		59A (Twidth=210μs 230VAC)	
Full Load Efficiency (Typ.)	90% @277VAC	91.5% @277VAC	91.5% @277VAC
AC Current (Max.)		0.8A	
Leakage Current		<0.50mA	
Power Factor		PF≥0.99@120VAC PF≥0.98@230VAC PF≥0.95@277VAC (Full loading)	
Protection			
Short Circuit		Hiccup mode, recovers automatically after fault condition is removed	
Over Loading		≤120% hiccup mode, 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		20-90% RH, non-condensing	

Ecopac (UK) Power Ltd
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Safety & EMC

Storage Temperature, Humidity	-40~+80°C, 10-95% RH
Temperature Coefficient	±0.03%/°C (0-50°C)
Vibration	10-500Hz, 2G 10min./ 1 cycle, period for 60min.each along X, Y, Z axes

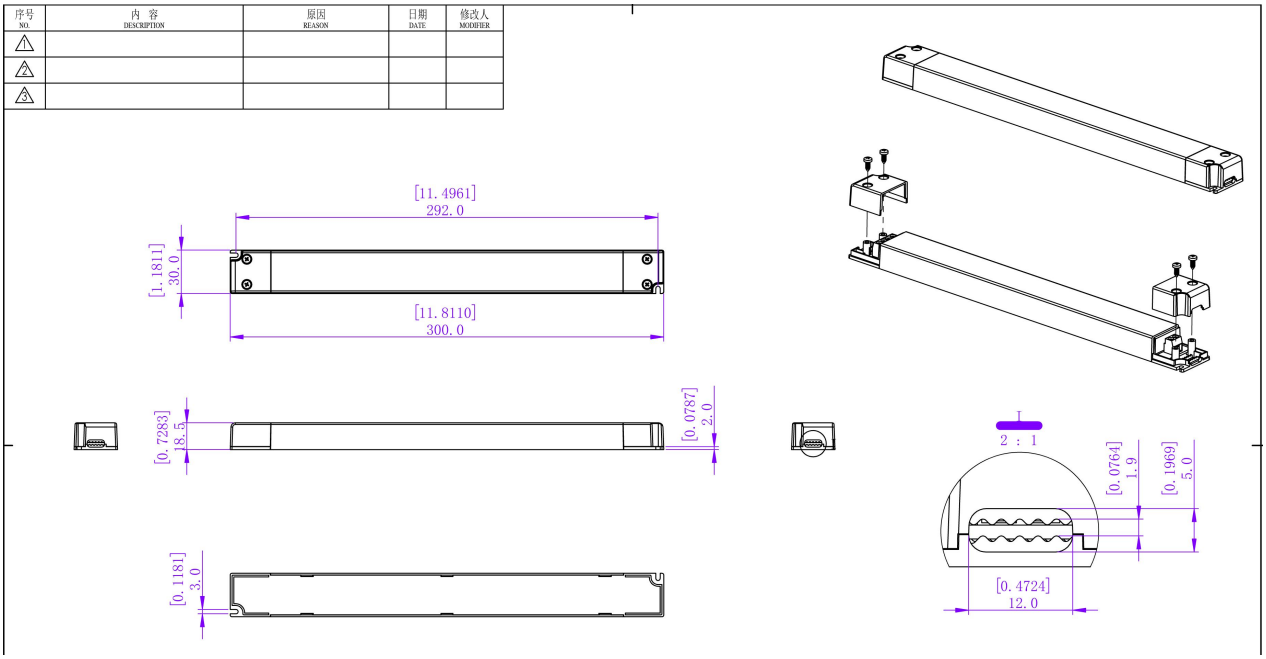
Safety & EMC

Safety standards	EN61347-1, EN61347-2-13, EN62493, IP20 , UL8750 (US)
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	EN55015 EN61000-3-2,3 (≥50%) (EU) & FCC Part 15 Subpart B(US)
EMC Immunity	EN61000-4-2,3,4,5,6,11 EN61547

Other Specifications

Weight	0.35 Kg
Size	292x 30x 18.5 mm
Packing	290x 215x 140mm (20PCS/CTN, 18 Kg/CTN))

Mechanical Specifications



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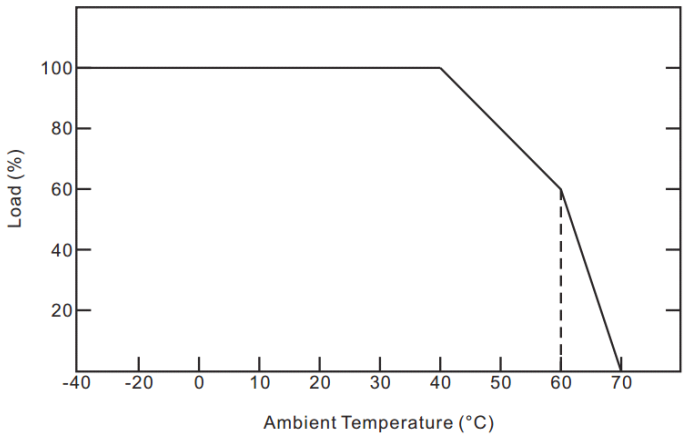
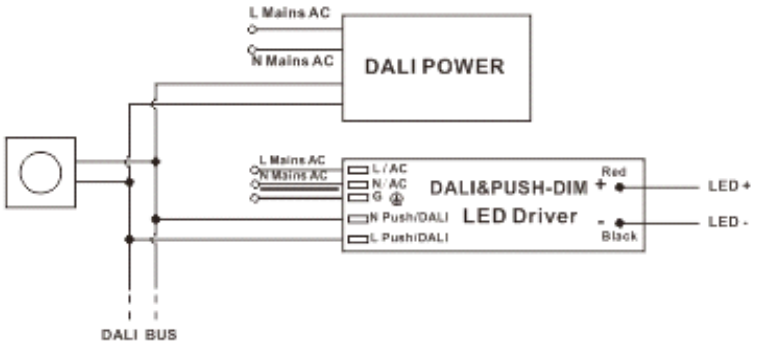
Derating Curve



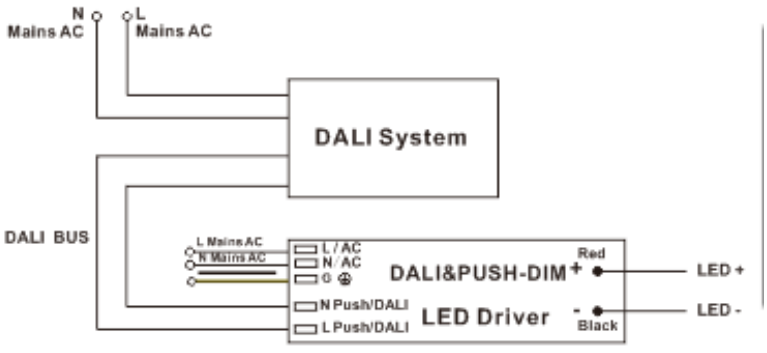
Dimming Operation

DALI Dimming Wiring Diagram1



Dimmer

DALI Dimming Wiring Diagram2



System

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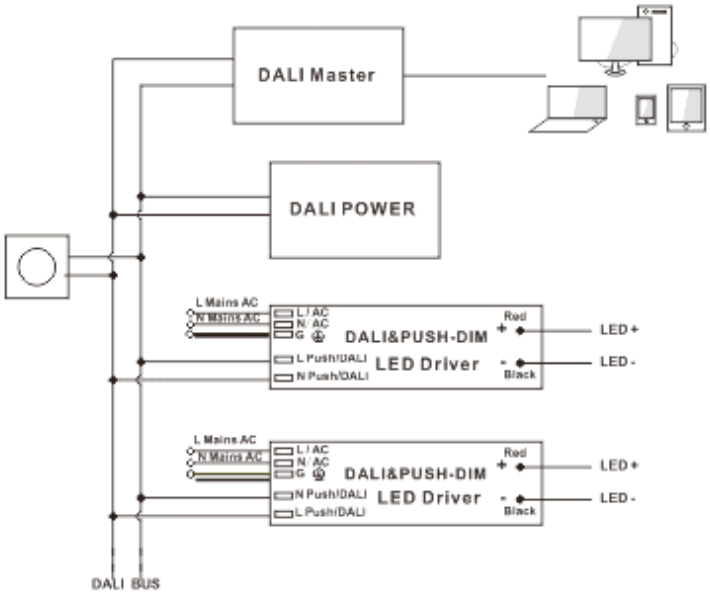
Dimming Operation

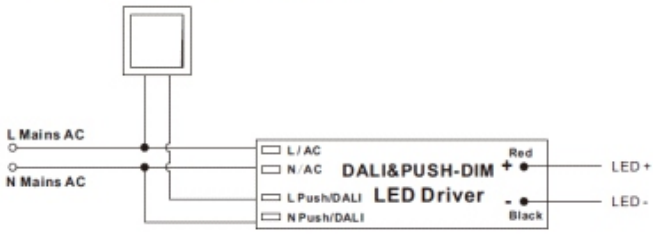
DALI Dimming Wiring Diagram3



PC+DALI Master+DIMMER

※Note: For DALI Dimming Wiring Diagram 3, please noted that only one DALI power is need in the DALI bus, so no extra DALI power is needed if the Master or Dimmer already includes the DALI Power.

Push-Dimming Wiring Diagram2



Dimmer

1 unit maximum for Push Dimming

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