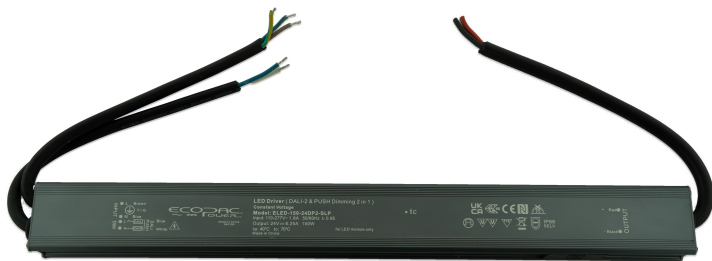


# ELED

Ecopac LED Dimmable Driver

## ELED-150-DP2SLP Series

150W DALI 2 & Push Dimmable Slimline LED Driver



NFC Handheld devices



EasyNFC app



SELV

IP66



UK  
CA

### 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 93%
- Protections: Short circuit/ Over load/ Over temperature
- Cooling by free air convection
- IP66 for indoor & outdoor installation
- Suitable for intelligent LED lighting
- 5 years warranty

### Models

ELED-150-12DP2-SLP

ELED-150-24DP2-SLP

ELED-150-48DP2S-LP

### 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	12.5A	6.25A	3.12A
Rated Power	150W		
Load Regulation	± 2%	± 1%	± 1%

### Input Specifications

Input Voltage	100-277VAC		
Frequency Range	47-63Hz		
Inrush Current	25.6A, 324us@50%120VAC	73.6A, 83.8us@50%230VAC	50.4A, 452us@50%277VAC
Full Load Efficiency (Typ.)	92% @277VAC	93% @277VAC	93% @277VAC
AC Current (Max.)	1.7A		
Leakage Current	<0.5mA		
Power Factor	PF≥0.98@120VAC PF≥0.96@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

## Safety & EMC

Storage Temperature, Humidity	-40~+80°C, 10-95% RH
Temperature Coefficient	±0.03%/°C (0-50°C)
Vibration	10-500Hz, 5G 12min./ 1 cycle, period for 72min.each along X, Y, Z axes

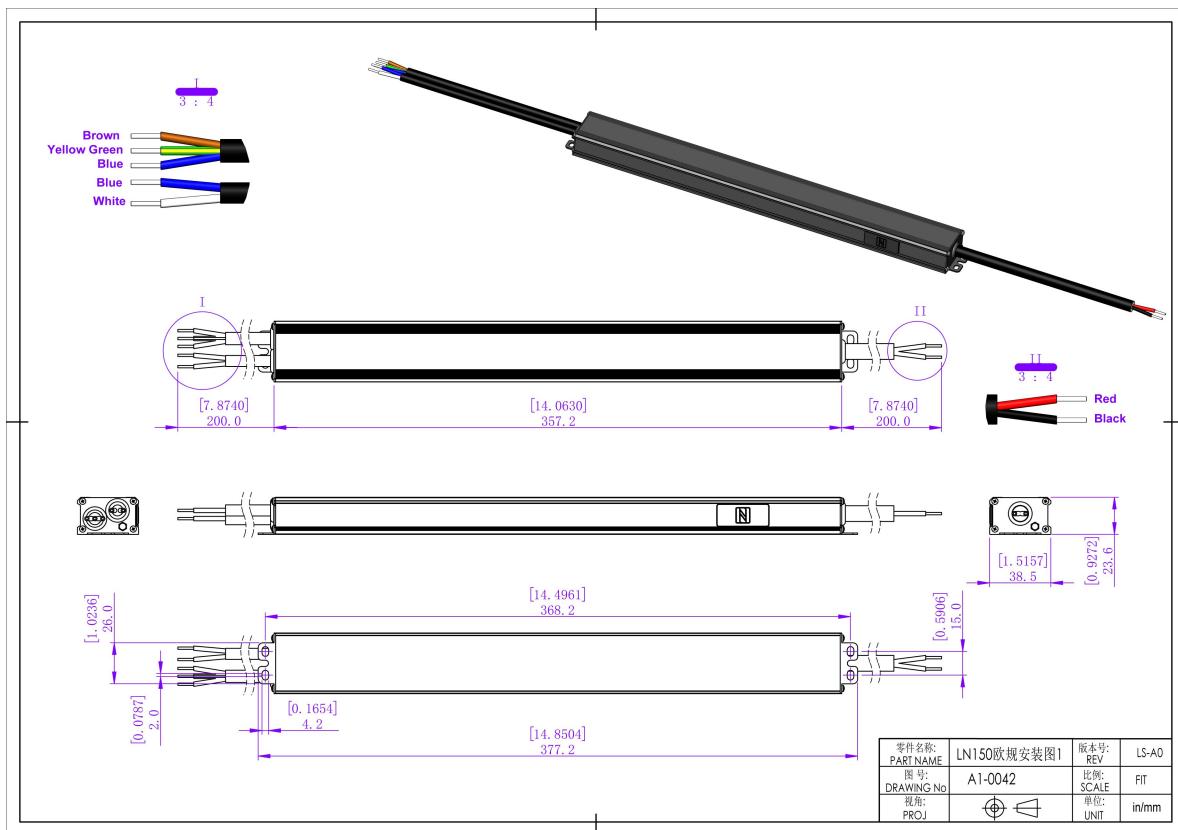
## Safety & EMC

Safety standards	EN61347-1 EN61347-2-13 (EU) & UL8750 UL1310(US)
Withstand voltage	I/P-O/P:3.75KVAC (EU) & I/P-O/P:1.8KVAC (US)
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

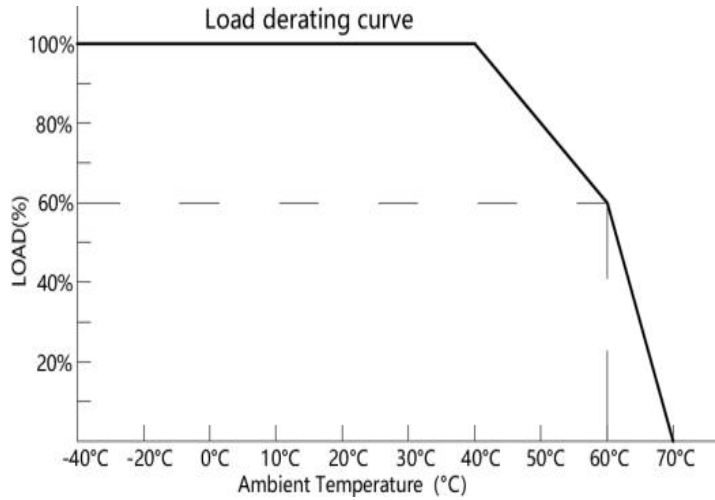
## Other Specifications

Weight	0.59Kg
Size	377.2 x 38.5 x 23.6 mm
Packing	400 x 300 x 220mm (20PCS/CTN)

## Mechanical Specifications

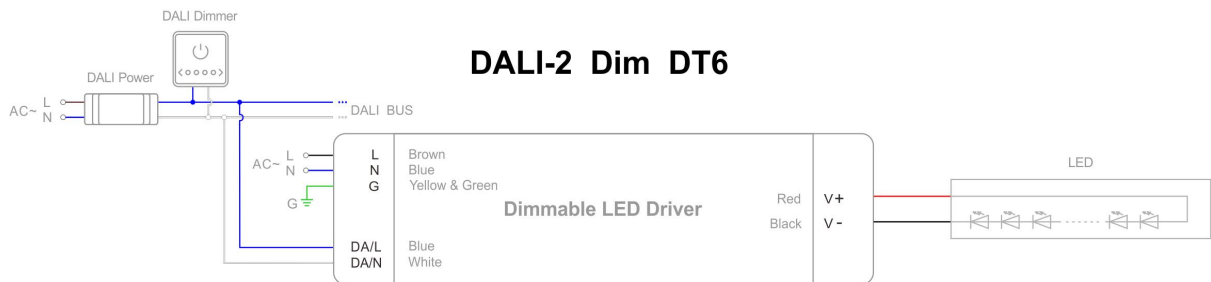


## Derating Curve

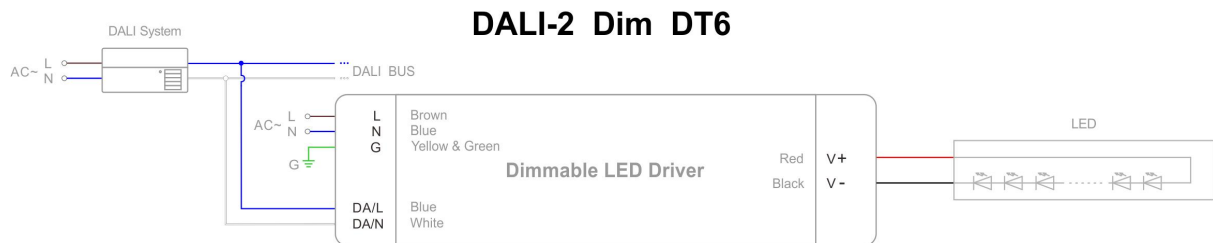


## Dimming Operation

- Using DALI-2 dimming with DALI power and dimmer

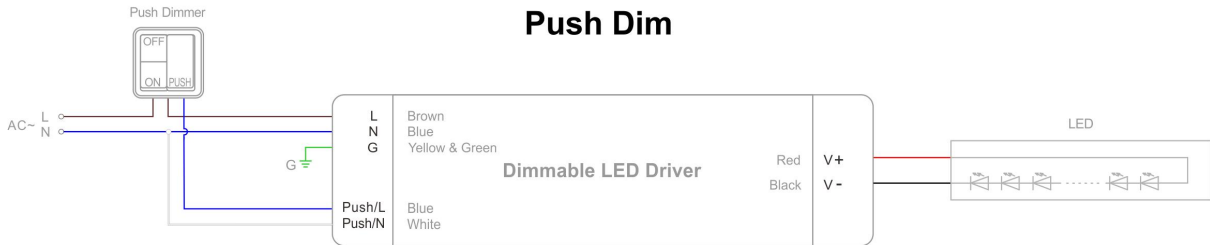


- Using DALI-2 dimming with DALI system and DALI bus



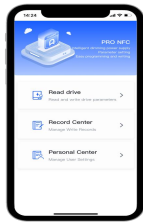
## Dimming Operation

- Using PUSH dimming with dimmer (on & off function)



1 unit maximum for Push Dimming

## NFC Function



ProNFC APP



NFC Handheld devices

- Address settings:  
NFC setting address:

The address can be read and written by a mobile with ProNFC APP or NFC handheld device (NFC read & write device: NFC-RW) by close to the NFC signal area of the DALI driver.

NFC voltage regulation level										
	level 1	level 2	level 3	level 4	level 5	level 6	level 7	level 8	level 9	level 10
<b>12V</b>	12V	12.2V	12.3V	12.5V	12.6V	12.8V	13V	13.1V	13.3V	13.5V
<b>24V</b>	24V	24.2V	24.4V	24.7V	24.9V	25.1V	25.3V	25.6V	25.8V	26.0V
<b>36V</b>	36V	36.2V	36.4V	36.7V	36.9V	37.1V	37.3V	37.6V	37.8V	38.0V
<b>48V</b>	48V	48.2V	48.4V	48.7V	48.9V	49.1V	49.3V	49.6V	49.8V	50.0V

1. This driver should be installed by qualified and professional person.
2. Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
3. Ensure that wiring is correct before test in order to avoid light and power supply damage.
4. If driver Cannot work normally, don't maintain privately.