ELED

Ecopac LED Dimmable Driver

ELED-150-DP2 DT8 Series
150W DALI 2 & Push Dimmable LED Driver

Features:

- DT8- warm white and cool white dimming
- 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 design for indoor and outdoor installation.
- Suitable for intelligent LED lighting
- 5 year warranty

UK CA

NFC Handheld devices   EasyNFC app   EasyNFC APP   NFC handheld device   DALI 2

CE   SELV   IP66   N

Models

	ELED-150-12DP2 DT8	ELED-150-24DP2 DT8	ELED-150-48DP2 DT8
Output Specifications			
Output Voltage	12V (12-13.5V adjust by NFC)	24V (24-26V adjust by NFC)	48V (46-50V adjust by NFC)
Voltage Tolerance	± 0.5%		
Output Current	12.5A	6.25A	3.13A
Rated Power	150W		
Load Regulation	± 1-2%		
Input Specifications			
Input Voltage	100-277VAC		
Frequency Range	47-63Hz		
Inrush Current	38.4A, 50%, 510us @120VAC; 88A, 50% , 120us @230VAC;48A, 50% , 560us @277VAC		
Full Load Efficiency (Typ.)	92%	93.5%	93.5%
AC Current (Max.)	1.7A		
Leakage Current	<0.50mA		
Power Factor	PF≥0.98@120VAC PF≥0.97@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	20-90% RH, non-condensing		

Safety & EMC

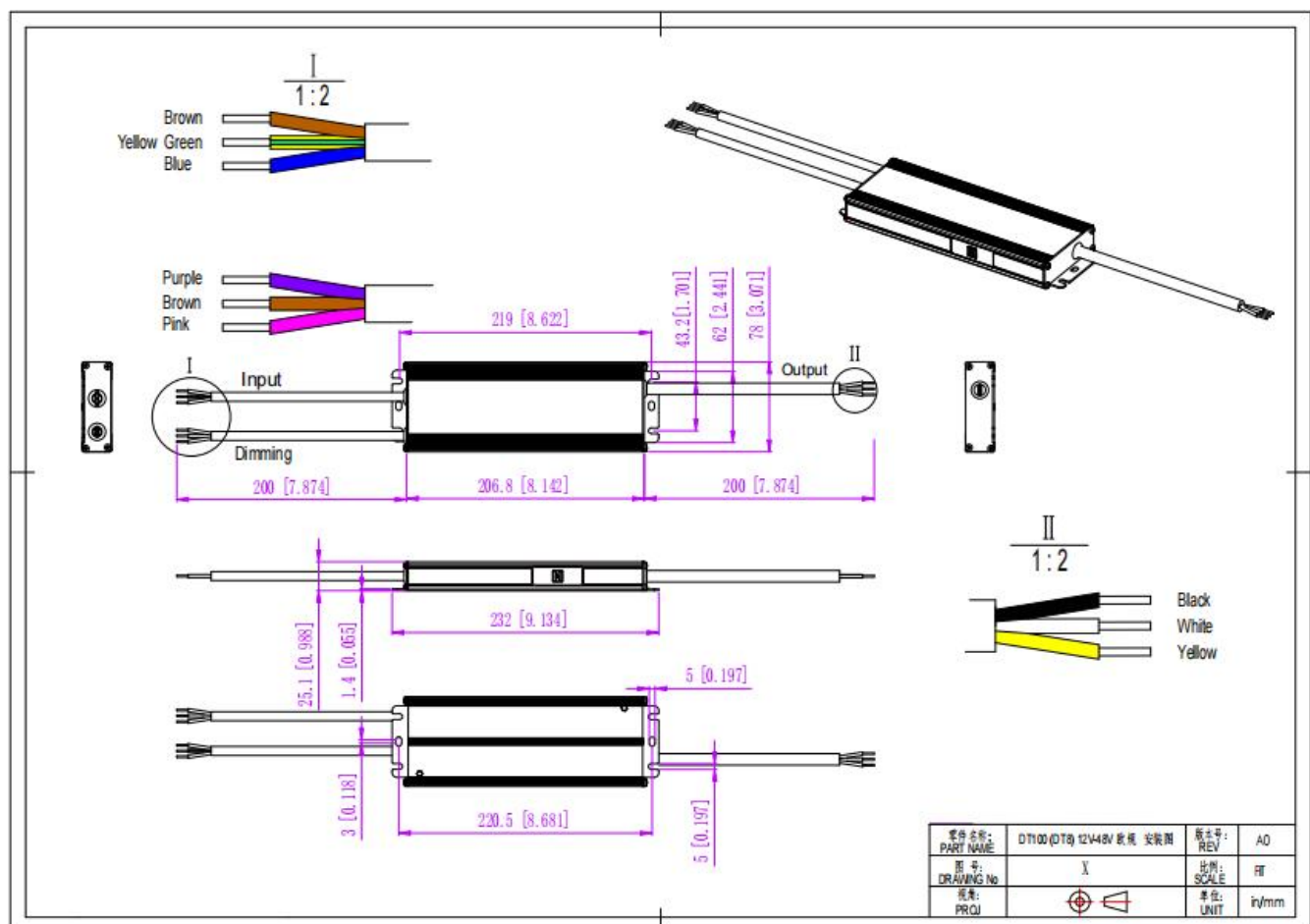|	
Storage Temperature, Humidity	-40~+80°C, 10-95% RH
Temperature Coefficient	±0.03%/°C (0-50°C)
Vibration	10-500Hz, 5G 10min./ 1 cycle, period for 60min.each along X, Y, Z axes

Safety & EMC

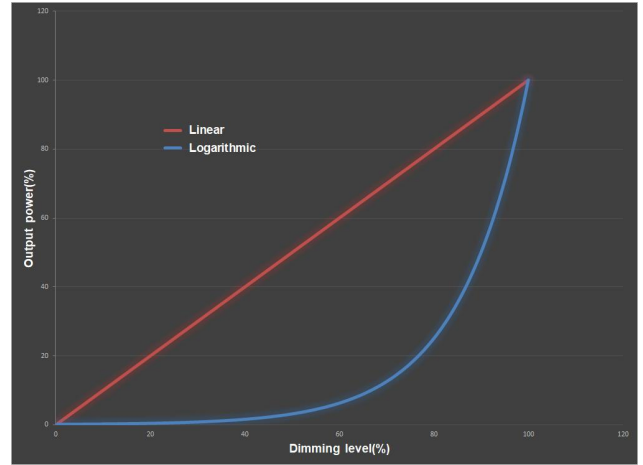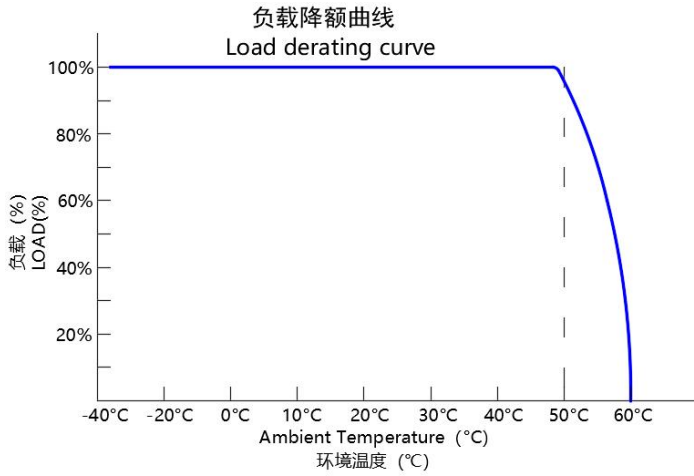|	
Safety standards	EN61347-1, EN61347-2-13, EN62493, IP66
Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
Isolation resistance	I/P-O/P I/P-FG O/P-FG: 100MΩ/500VDC/25°C/70%RH
EMC Emission	Compliance to EN55015, EN61000-3-2, EN61000-3-3 (≥60% load)
EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,11,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

Other Specifications

Weight	1.05 Kg
Size	232x 78 x 25.1 mm
Packing	330 x 300 x 210 mm (20PCS/CTN, 22 Kg/CTN))

Mechanical Specifications

Ecopac (UK) Power Ltd
Unit 4, Ridgeway, Crendon Industrial Area
Long Crendon, Bucks, HP18 9BF

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Derating Curve & whole brightness dimming Curve

负载降额曲线
Load derating curve

Dimming Operation

Using DALI-2 dimming with DALI power and dimmer
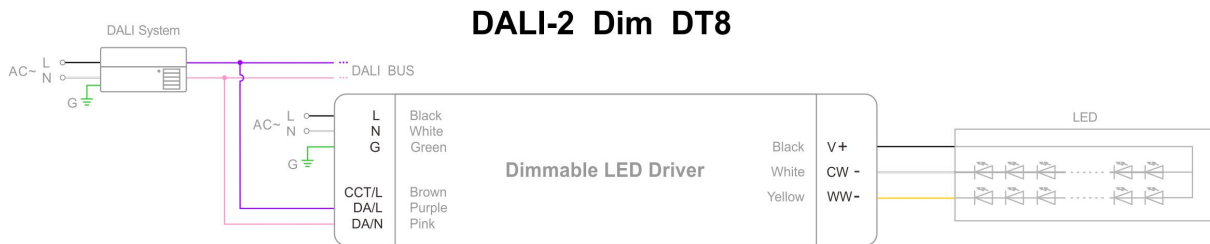
DALI-2 Dim DT8

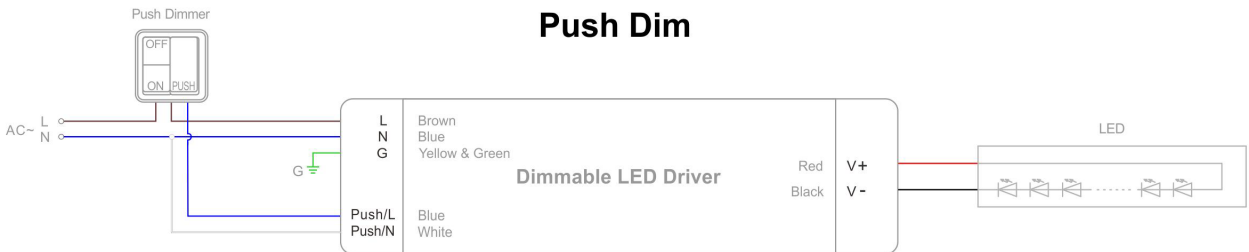Using DALI-2 dimming with DALI system and DALI bus
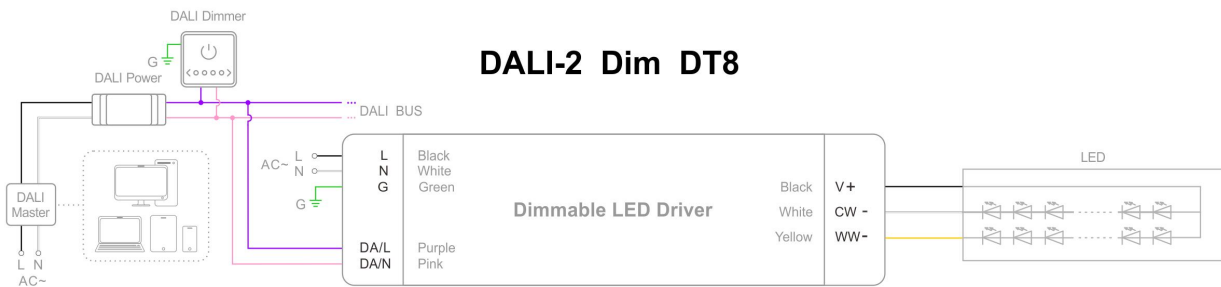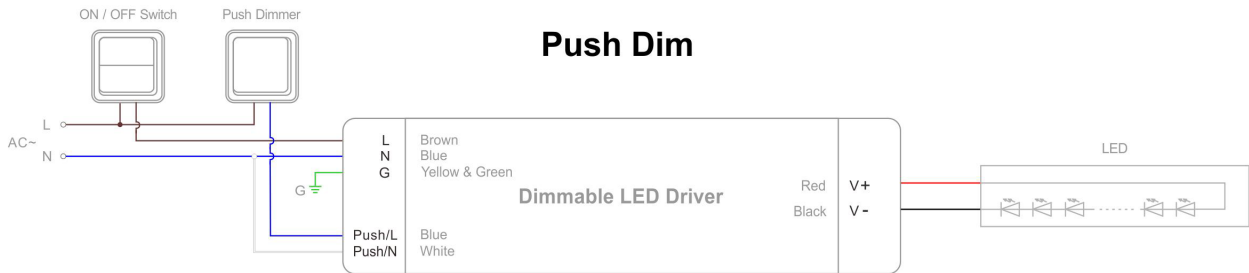
DALI-2 Dim DT8

Using DALI-2 dimming with intelligent device, DALI master and dimmer

DALI-2 Dim DT8
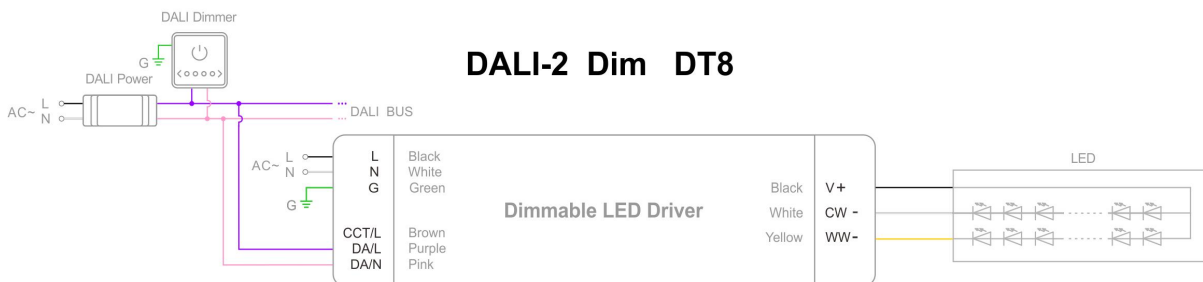
Dimming Operation

PUSH dimming with dimmer (on & off function)

Push Dim

ON / OFF Switch	Push Dimmer	

AC~ L
N

L Brown
N Blue
G Yellow & Green

G

Dimmable LED Driver

Red V+
Black V −

Push/L Blue
Push/N White

LED

Push Dim

Push Dimmer
OFF
ON PUSH

AC~ L
N

L Brown
N Blue
G Yellow & Green

G

Dimmable LED Driver

Red V+
Black V −
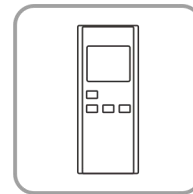
Push/L Blue
Push/N White

LED

NFC Function

RDM

SetNFC APP

NFC Handheld devices

- Address settings:

① RDM setting address:

Set the address by the RDM device. For detailed operation, please refer to RDM device instruction manual.

② NFC setting address:

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

Instruction

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.