ELED-100-DP2 DT8 Series
100W DALI 2 & Push Dimmable DT8 LED Driver

Features:

- DT8- warm white and cool white dimming
- 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

NFC Handheld devices | EasyNFC app | EasyNFC APP | NFC handheld device

UK CA

DALI 2

CE · SELV · IP66 · N

Models

	ELED-100-12DP2 DT8	ELED-100-24DP2 DT8	ELED-100-48DP2 DT8
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

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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

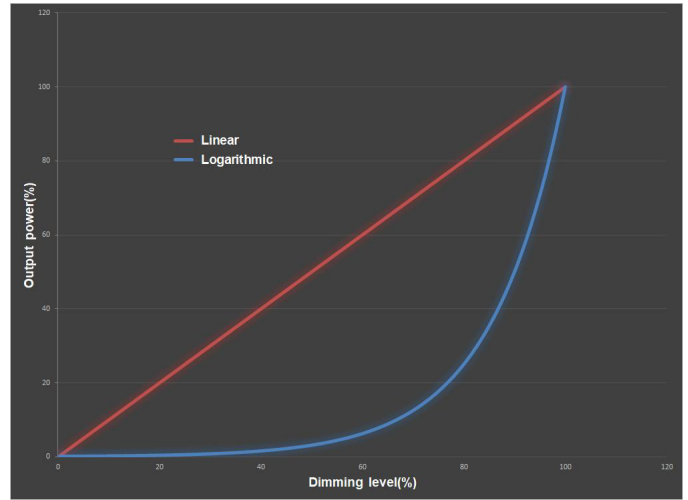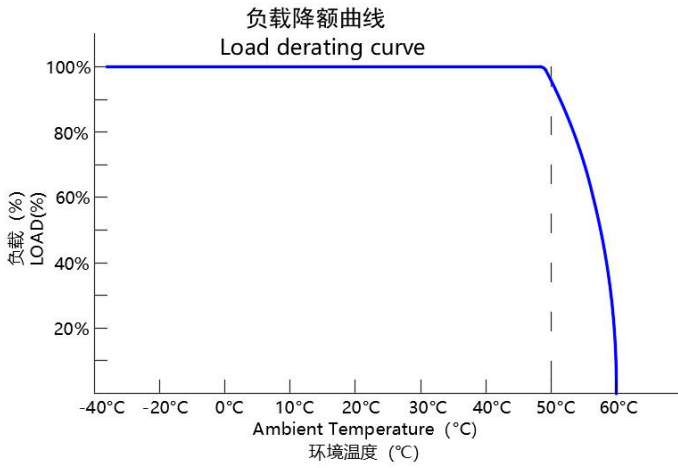|	
Weight	0.83 Kg
Size	231x 78 x 25.1 mm
Packing	355 x 300 x 170 mm (20PCS/CTN, 18 Kg/CTN))

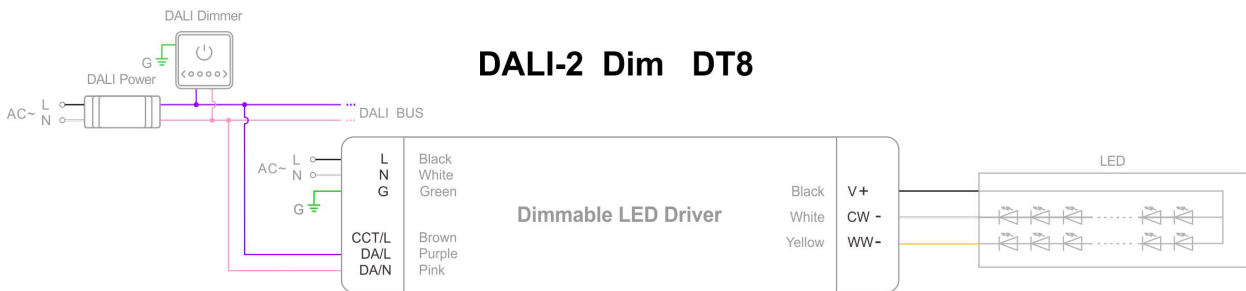## Mechanical Specifications
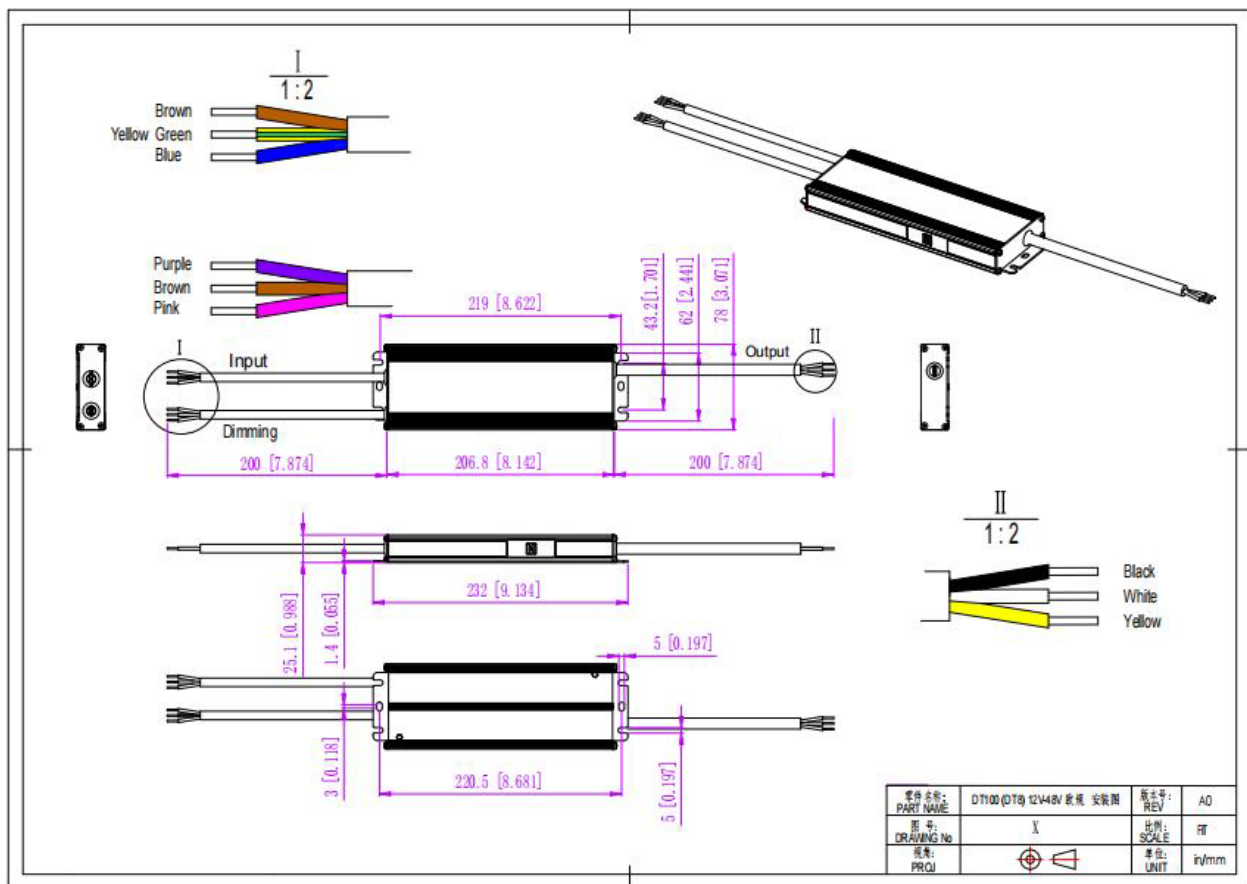
ELED-100-DP2 DT8 Series
100W DALI 2 & Push Dimmable DT8 LED Driver
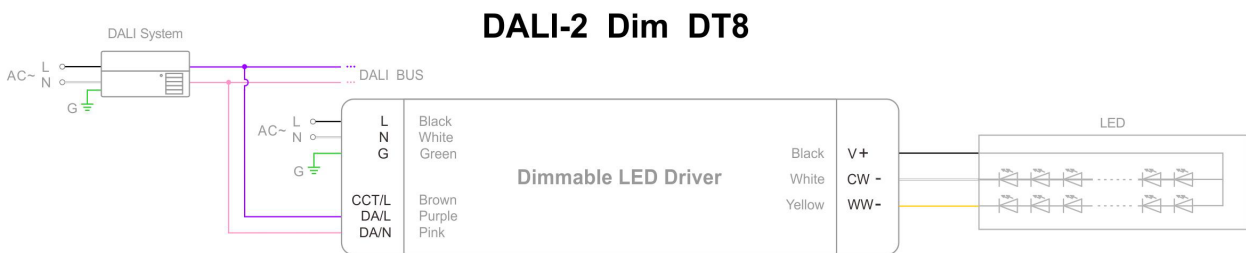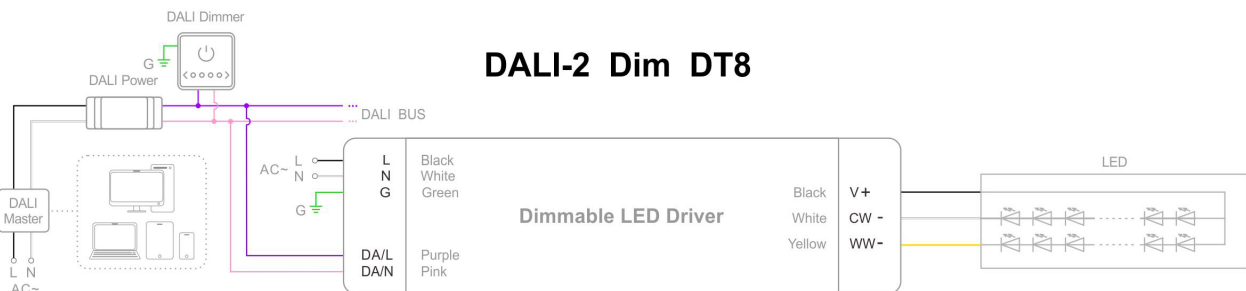
Derating Curve & whole brightness dimming Curve

负载降额曲线
Load derating curve

Dimming Operation

DALI-2 dimming with DALI power and dimmer

DALI-2 Dim DT8

DALI-2 dimming with DALI system and DALI bus

DALI-2 Dim DT8

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

DALI-2 Dim DT8

Dimming Operation

DALI-2 dimming with intelligent device, DALI master and dimmer
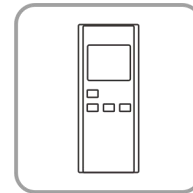
Push Dim

Push Dim
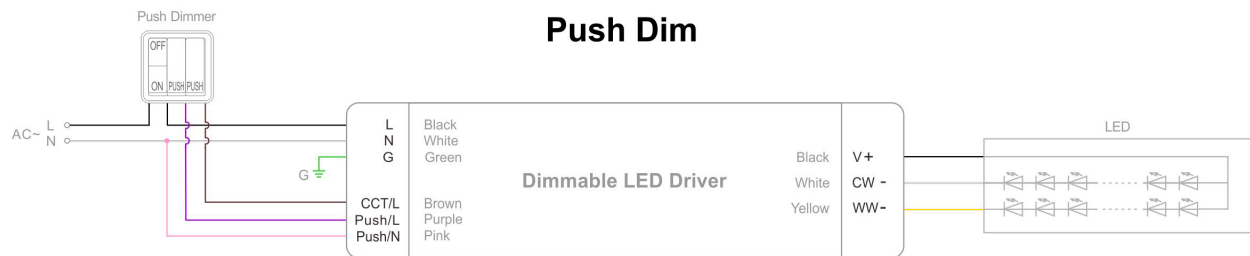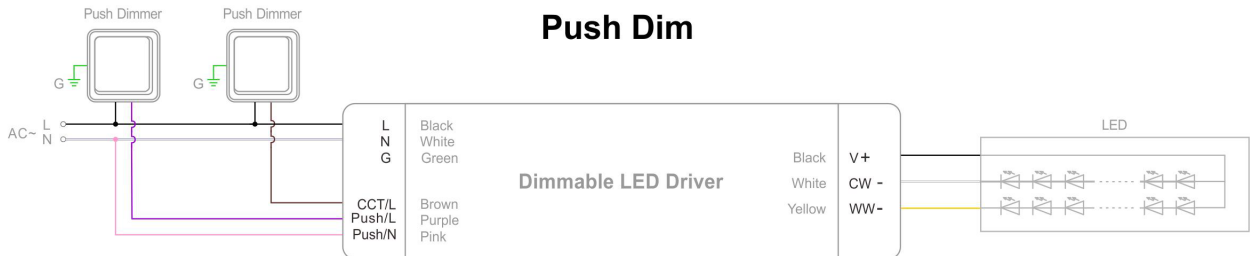
NFC Function

RDM

SetNFC APP

NFC Handheld devices

- Address settings:

①RDM setting address:

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

②NFC 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.