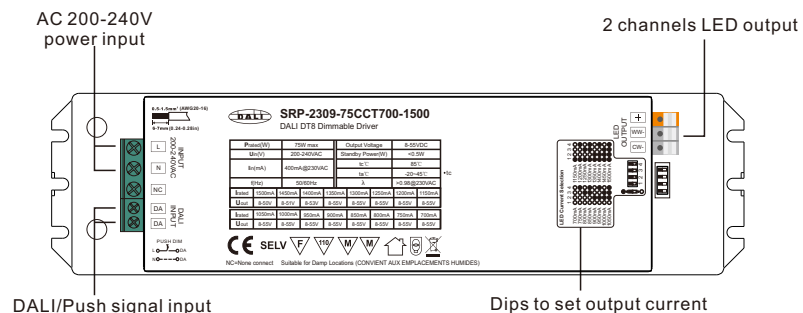


# 75W DALI DT8 LED Driver (Constant Current)



**Important:** Read All Instructions Prior to Installation

## Function introduction



## Product Data

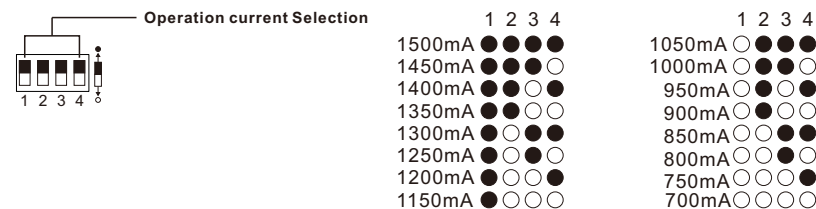
	LED Channel		2							
	Selectable Current	1500mA	1450mA	1400mA	1350mA	1300mA	1250mA	1200mA	1150mA	
DC Voltage Range	8-50V	8-51V	8-53V	8-55V	8-55V	8-55V	8-55V	8-55V		
Selectable Current	1050mA	1000mA	950mA	900mA	850mA	800mA	750mA	700mA		
DC Voltage Range	8-55V	8-55V	8-55V	8-55V	8-55V	8-55V	8-55V	8-55V		
Current Tolerance	±25mA									
Rated Power	Max. 75W									
Voltage Range	200-240V AC									
Frequency Range	50/60Hz									
Power Factor (Typ.)	> 0.98									
Total Harmonic Distortion	THD ≤ 7% (@ full load / 230VAC)									
Efficiency (Typ.)	> 87% @ 230VAC full load									
AC Current (Typ.)	0.39A @ 230VAC									
Inrush Current (Typ.)	COLD START Max. 8A at 230VAC									
Leakage Current	< 0.5mA / 230VAC									
Standby Power Consumption	< 0.5W									

Control	Dimming Interface	DALI Device Type 8 (DALI consumption<2mA)/ PUSH
	Dimming Range	0.1%-100%
	Dimming Method	Hybrid (PWM+CCR) dimming
	Dimming Curve	Logarithmic
Protection	Short Circuit	Yes, recovers automatically after fault condition is removed
	Over Voltage	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after fault condition is removed
Environment	Working Temp.	-25°C ~ +45°C
	Max. Case Temp.	85°C (Ta= "45°C")
	Working Humidity	10% ~ 95% RH non-condensing
	Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH
Safety & EMC	Safety Standards	EN61347-1, EN61347-2-13
	Withstand Voltage	I/P-O/P: 3.75KVAC
	Isolation Resistance	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC Emission	EN55015, EN61000-3-2, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11, surge immunity Line-Line 1KV
Others	MTBF	193800H, MIL-HDBK-217F min. @ 230VAC at full load and 25°C ambient temperature
	Dimension	244x64x32mm (L*W*H)

## Output Current

Select the correct output current before wiring to LED light by DIP Switches. Please make sure the power to the driver is disconnected before selection of the output current.

## Dips to set output current



- DALI DT8 Dimmable LED driver
- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2, IEC 62386-209:2011
- Built-in DALI-2 interface, DALI DT8 device
- 2 channels constant current output, total output power up to 75W
- Output current level selectable from 700mA to 1500mA by DIP switches

- Class II power supply, full isolated plastic case
- High power factor and efficiency
- DALI DT8 device to control Warm White and Cool White output via a single DALI address
- Color temperature adjustment according to DALI specifications of Device Type 8, Color Type Tc.
- Compatible with universal DALI masters that support DT8 commands
- IP20 rating, suitable for indoor LED lighting application
- 5 years warranty

### Safety & Warnings

- DO NOT install with power applied to the device.
- DO NOT set operation current with power applied to the device.
- DO NOT expose the device to moisture.

### Operation

#### 1. DALI Address Assigned by DALI Masters

1.1 DALI address can also be assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

#### 2. Tunable white functionality

- The driver has 2 output channels used to control the intensity and temperature of white colour as well known as "Tunable White".
- This driver responds to DALI type 8 (DT8) commands, which in practice means that they only have 1 common address for both output channels.
- The driver will operate correctly once tunable white LED module parameters are programmed to the driver. Compatible with universal USB interface DALI master controllers.

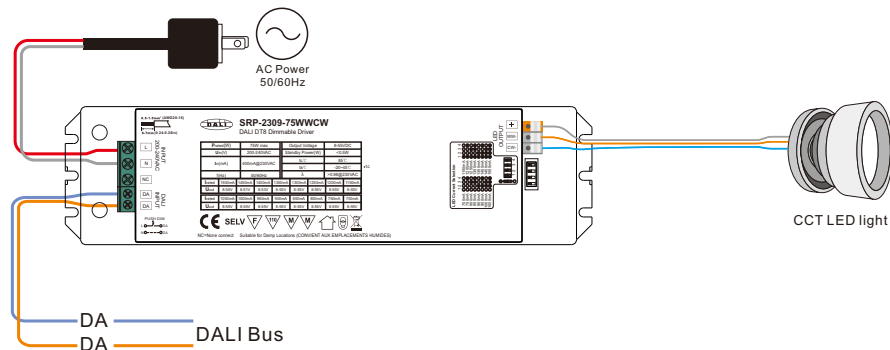
#### 3. Push Dimmer Mode

While connected with a AC PUSH, it means Push Dimmer Mode, and operations under Push Dimmer Mode are as follows:

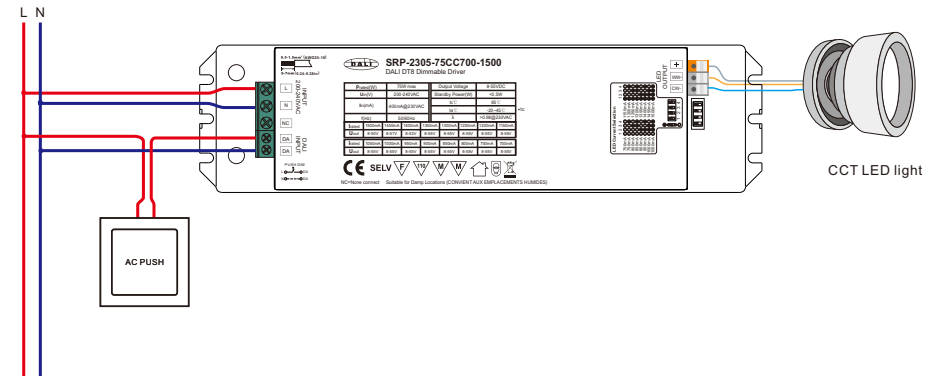
- 1.1. Click the button to switch ON/OFF
- 1.2. Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 0.1% to 100%.
- 1.3. Memory function after power off or power failure enables the device to memorize the status before power off while power on again.

### Wiring diagram

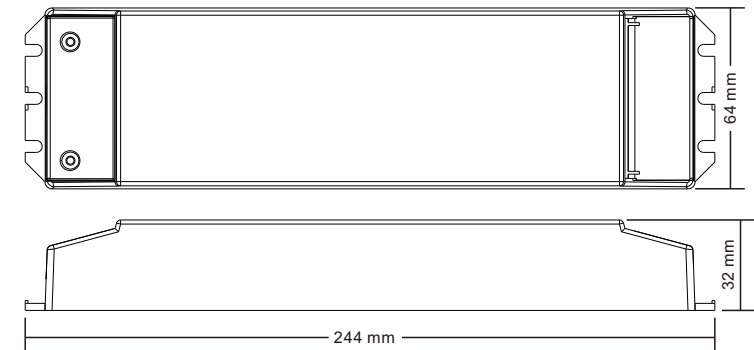
#### 1. With DALI bus



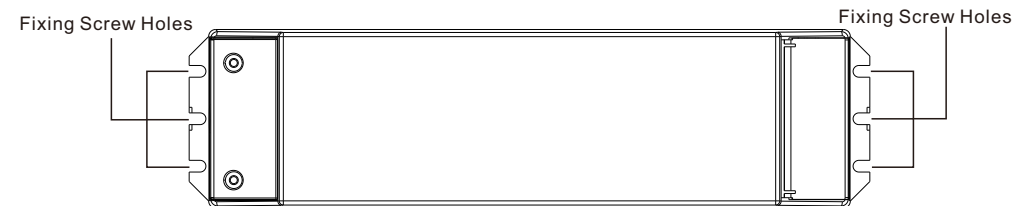
#### 2. With PUSH dimmer



### Product Dimension



### Installation



**Note:** when mounting the driver, please choose any one of the three fixing screw holes to fix with a screw at each end.