

# 15W DALI-2 DT8 Round CCT LED Driver

## PRODUCT DESCRIPTION

- 15W DALI-2 Round DT8 Constant current LED Driver
- DALI Dimming – 0.01% to 100%
- O/P Voltage range 3 – 42Vdc
- O/P Current 200 – 700mA
- Supports CLO & Corridor function

## APPLICATIONS

- Suitable for Indoor use only
- Indoor Lighting (Downlights, Spotlights)
- Office Lighting (Workplace, Conference Hall)
- Mood / Decorative Lighting

## NFC FEATURES

- Set O/P Current In step of 0.1mA
- Set Device Address, Set Scenes, Set Group
- Set Power on level, System failure level
- Set Fade time, Fade rate
- Dimming curve selection (Linear / Logarithmic)
- Copy All setting from once driver to another



Item Number: **SRPY-2309N-15CCT200-700**

## Output

Output Voltage range	3Vdc – 42Vdc
Output current	200 – 700mA via NFC setting (with 0.1mA step)
Output Power	15W Max
No of Channels	2 Channel

## Input

Rated Voltage (V)	220-240Vac
Operating Voltage Range (V)	198-264Vac
Operating Frequency (Hz)	50 / 60
Input Current (Typical)	0.1A @ 230VAC
Power factor	> 0.95
A-TDH	< 8%
Stand by Power	< 0.5W
Inbuilt Surge Protection (kV)	2.0KV
Electrical Insulation Class	Suitable for Class II
Inrush Current (Typical)	Max. 4.66A at 230VAC; 72µs duration

## Control

Dimming Interface	DALI DT8 (DALI consumption < 2mA)
Dimming Range	0.01% - 100% @ Max current
Dimming curve	Linear/ Logarithmic optional

## Protections

Short Circuit	Yes, Auto recovery
Open circuit	Yes, Auto recovery
Output Overload	Yes, Auto recovery
Over Temperature	Yes, Auto recovery

## Environment

Ta	-25°C ~ +60°C
Tc	85°C (Ta="45°C")
Humidity	10% ~ 95% RH non-condensing
Storage Temp. & Humidity	-40°C ~ +80°C, 10% ~ 95% RH

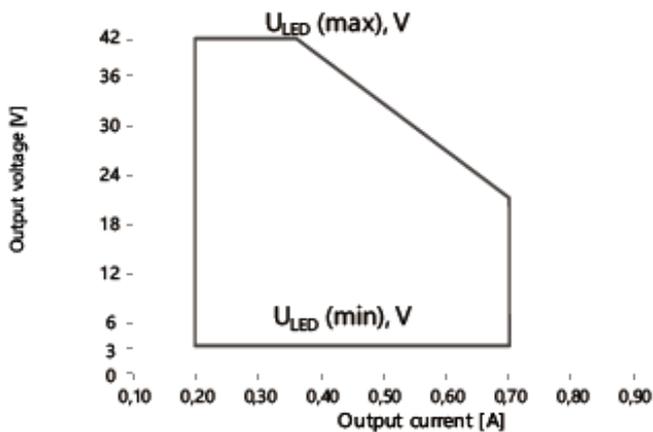
## Safety & EMC

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
DALI Parts	101, 102, 207

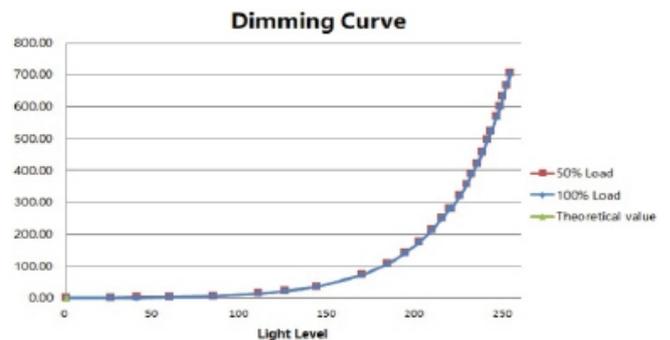
## Other

Life	50,000 Hours @ Tc 85°C
Dimension	φ57x24mm (D*H)
IP Rating	IP20

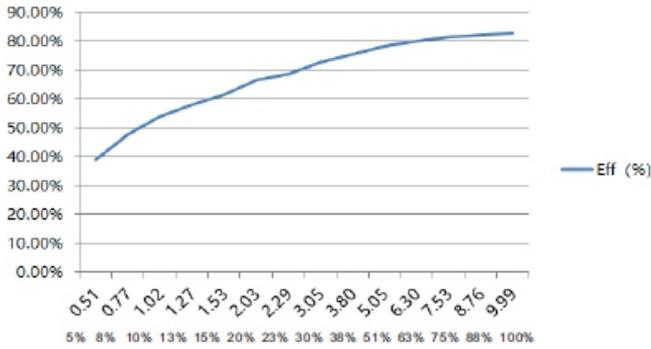
## Voltage and current operating window



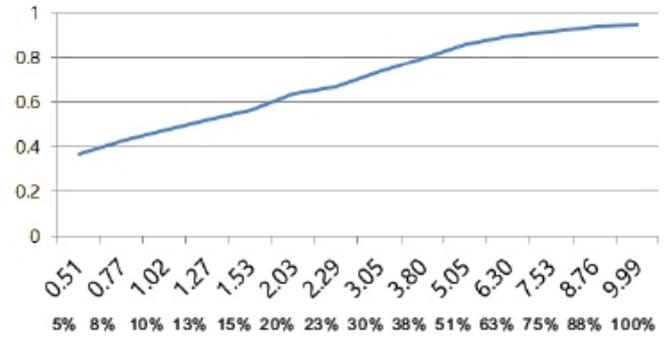
## Dimming Curve



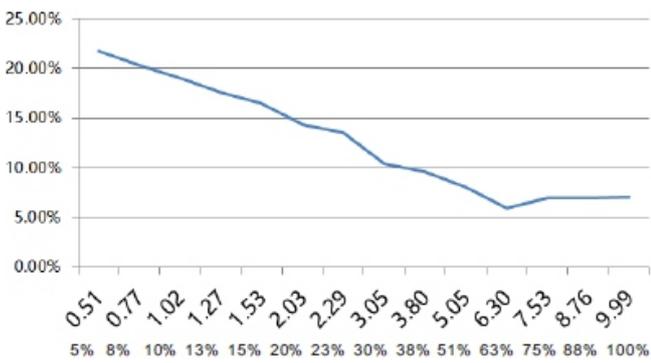
### Typical Efficiency Vs Load %



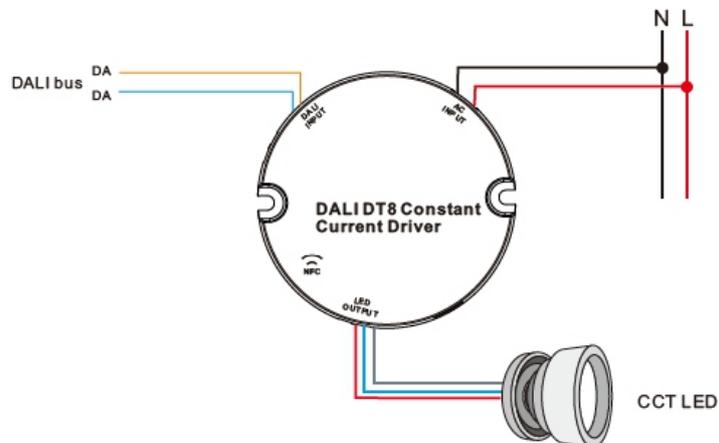
### Power factor vs Load



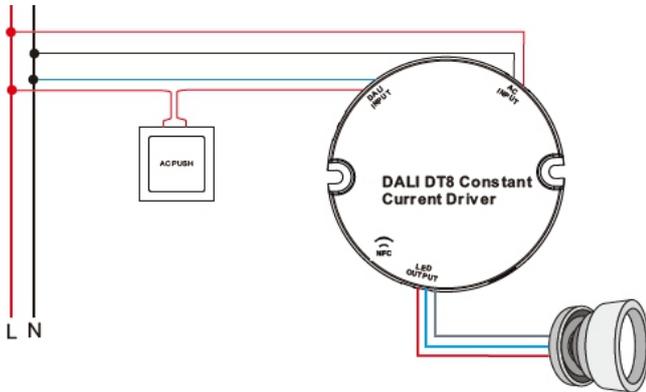
### A-THD Vs Load %



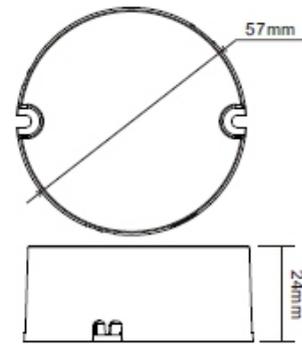
### DALI Wiring Diagram



## Wiring Diagram for Push Dim



## Mechanical dimensions

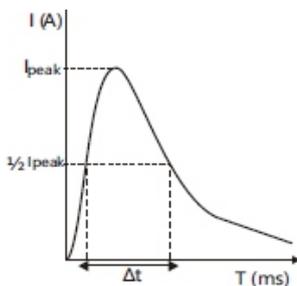


## AC Push Function

- 1) Click the button to switch ON/OFF
- 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 1% to 100%.

## MCB Load Quantity

Module Number	I <sub>peak</sub>	T <sub>width</sub>	Max. quantity of LED Driver per MCB														
			B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
SRPY-2305N-10CC100-500	3.16A	72μs	60	78	96	120	150	70	91	112	140	175	80	104	128	160	200
SRPY-2309N-10CCT100-500	3.16A	72μs	60	78	96	120	150	70	91	112	140	175	80	104	128	160	200



### Note:

- Those MCB parameters are based on ABB S200 series circuit breakers.
- For different brands and models of miniature circuit breakers, the quantity of drivers will have difference.
- Please do not exceed the above-mentioned quantity during on-site installation, and the specific load quantity shall be subject to on-site installation.
- When the installation environment temperature of MCBs exceeds 30°C or when multiple MCBs are installed side by side, the number of mounted drives will be reduced, which requires recalculation.
- Type C MCB's are strongly recommended to use with LED lighting.