

- In compliance with IEC 62386-101:2014, IEC 62386-102:2014, IEC 62386-207 Ed2
- Built-in DALI-2 interface, DALI DT6 device
- Dimmable LED driver with linear metal housing. Max. output power 80W
- 100-550mA current selectable via NFC program tool. Min. current gear lower to 0.1mA
- DALI Address/Group/Scene setting via NFC program tool
- Class II power supply, isolated design
- High power factor and efficiency
- To switch and dim LED lighting luminaries
- Amplitude/CCR dimming, smooth and deep dimming
- Compatible with universal DALI masters that support DT6 commands
- DALI-250/251/252/253 Enabled, DALI data inside
- Integrated Max.56mA DALI BUS supply, enable to power DALI-2 sensors
- IP20 rating, suitable for indoor LED lighting applications
- 5 years warranty

## Operation

With DALI master

### 1. DALI Address

1 DALI address for 1 channel output is assigned by DALI Master controller automatically, please refer to user manuals of compatible DALI Masters for specific operations.

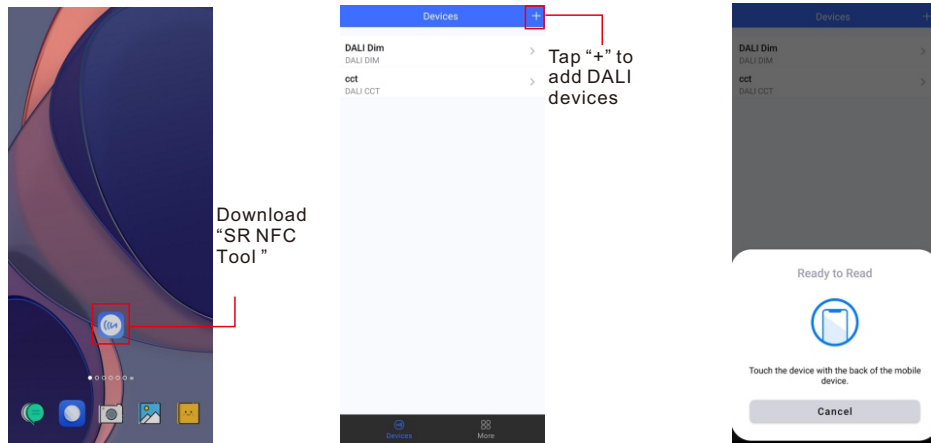
With NFC Programming devices

### Note

- 1) Do wiring according to the wiring diagram and power on the DALI system .
- 2) Recommend setting parameters without power-on the DALI devices .
- 2) Please make sure your mobile phone has NFC function and enable it .

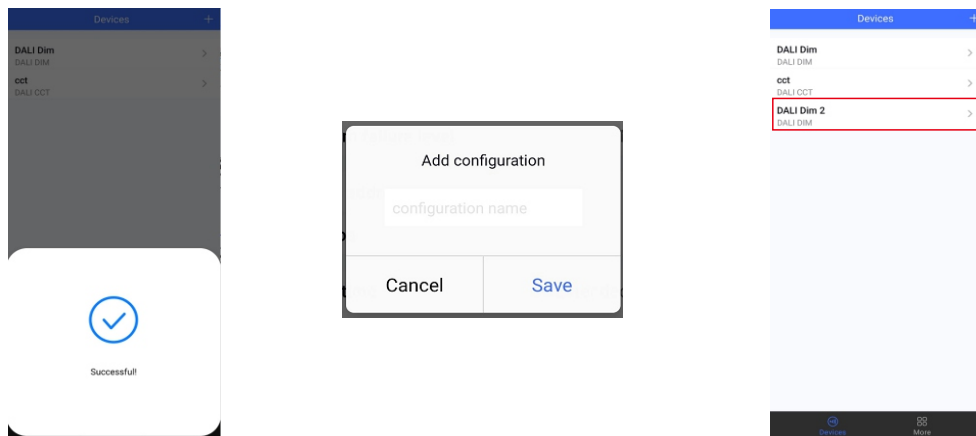
Working with “SR NFC Tool” APP

**Step 1: Download the APP (searching “SR NFC Tool” from App Store and Google Play) . Then open the APP .**

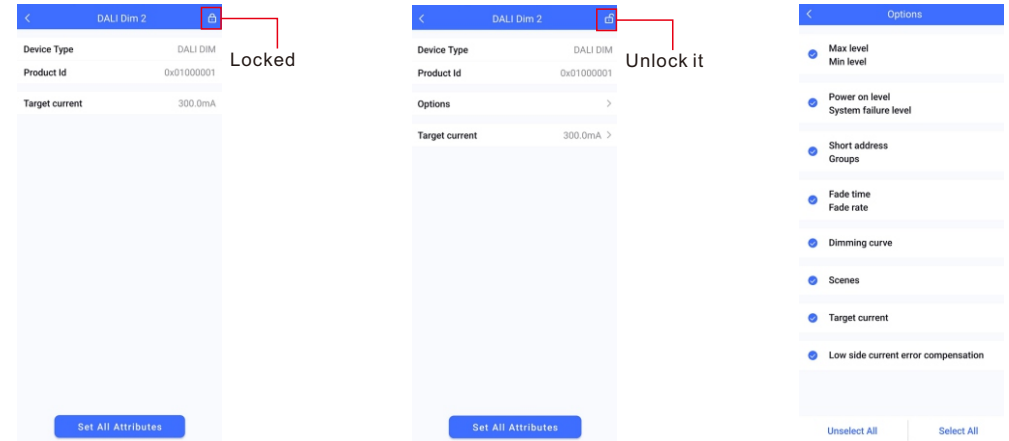


- Note:**
1. Please Make sure that you have enabled NFC function with your mobile phone/ tablet .
  2. Please Make sure that the “NFC position” is matched.
  3. Please do not power on the device before setting.
  4. If you can't download “SR NFC Tool”. Please contact with us.

**Step 2: Add device, and name it as you wish.**

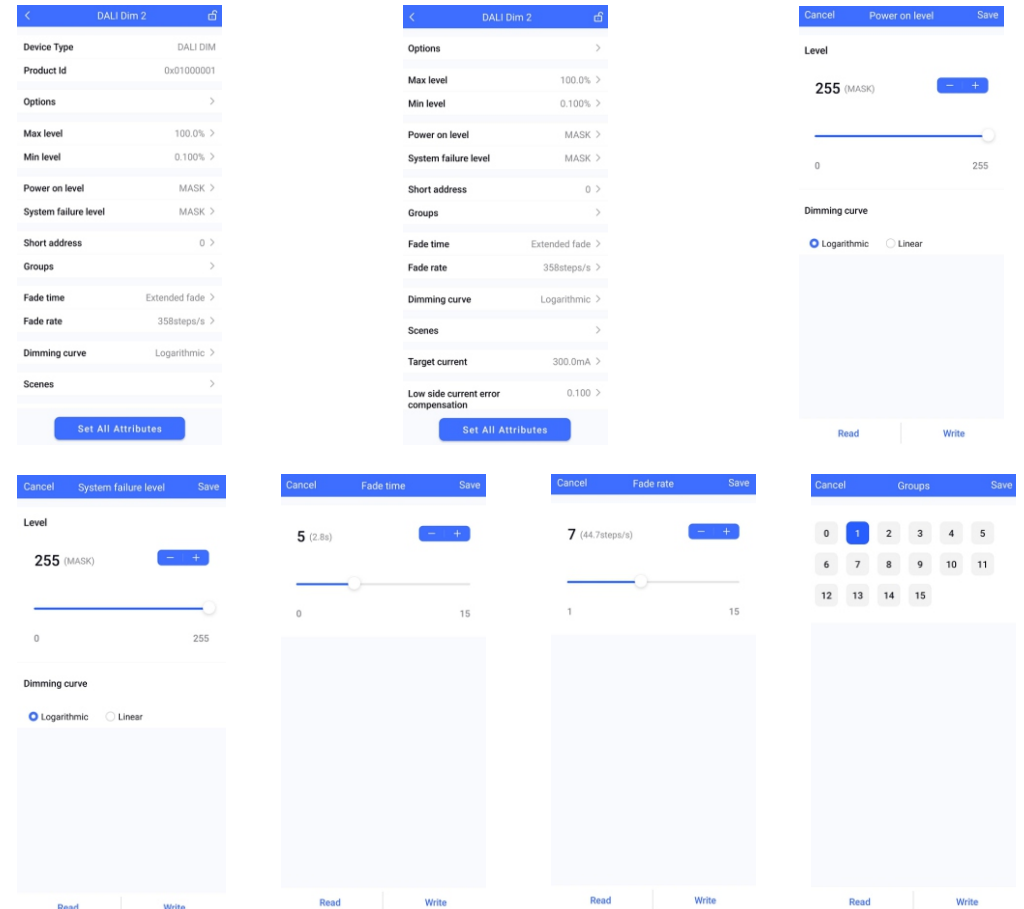


**Step 3: Unlock device, enter parameters configuring page.**

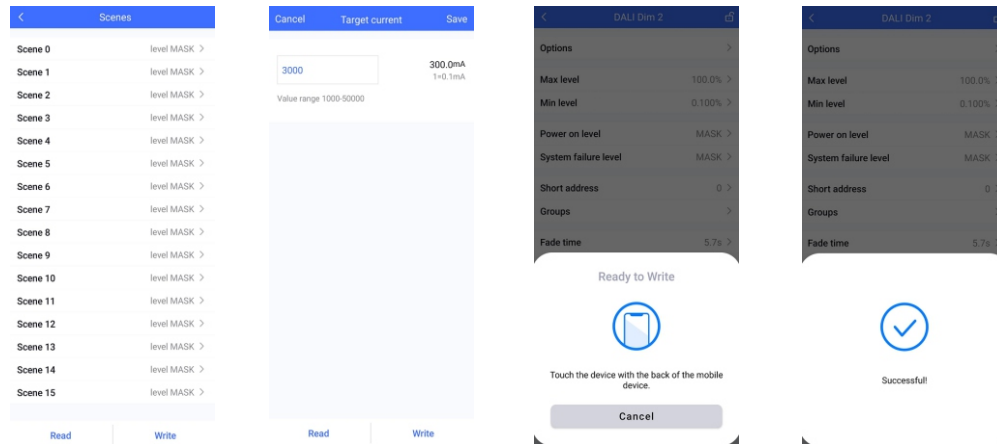


- Note:**
1. You have to unlock the device then do some settings
  2. Only when the corresponding function is selected, the function interface will be displayed.

**Step 4: Few parameter interface, you can choose the setting based on your requirements.**



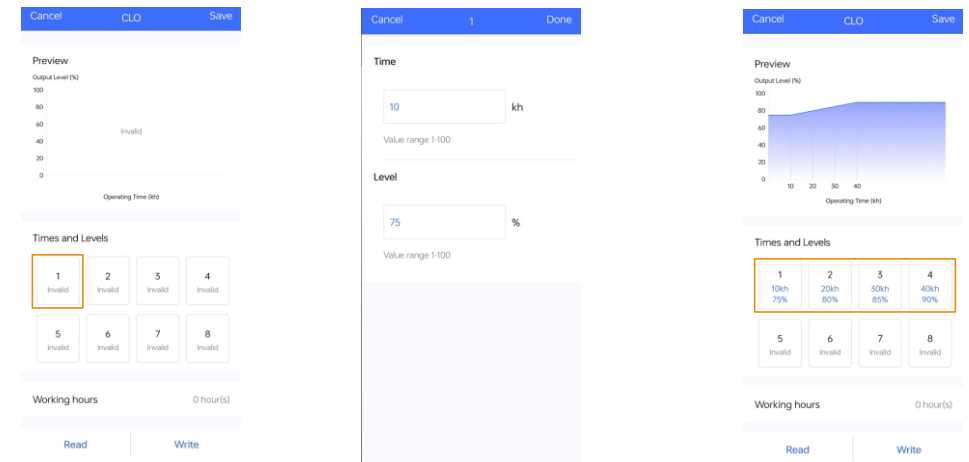
**Step 5: After setting, please save the selected configuration via NFC and power on the device.**



## Tips

1. NFC function doesn't require any power driver.
2. Many functions can be configured by NFC. Kindly check your desired functions.
3. All of our DALI drivers are in the best performance within our DALI master/ gateway.

## 2.Enter CLO Setting homepage



Enable CLO function

Click "1",and set its time and level

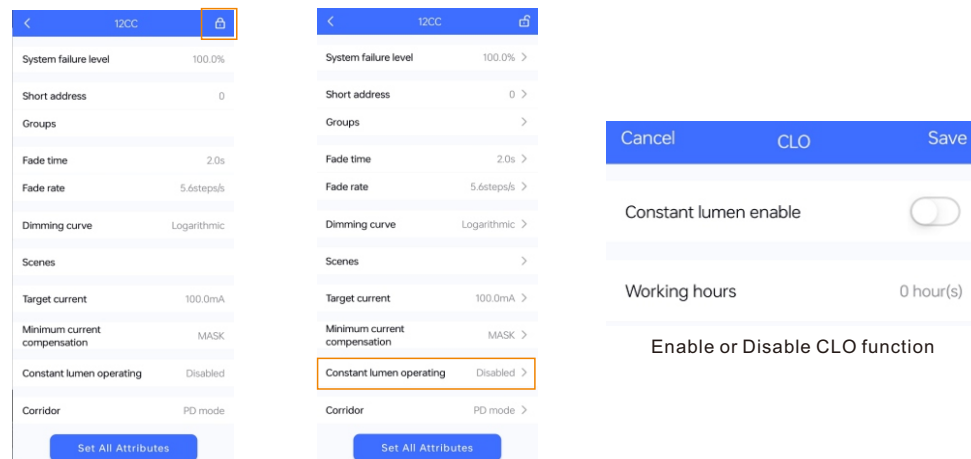
Set your desired time and levels.  
Graphic display

**Tips:**

**Working hours :** Ability to calculate the working hours of a single driver.

## CLO AND CORRIDOR DIM(CD) FUNCTION INSTRUCTION

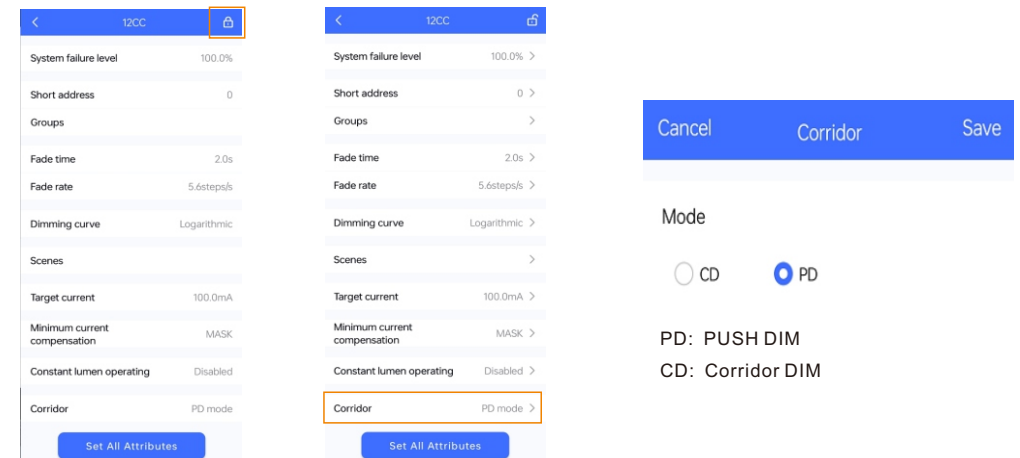
### 1.Open APP, and Find the CLO/CD functions



Read From the NFC Driver

Unlock it,and Click here to enter CLO settings

### 3.Corridor dim(CD) function



Read From the NFC Driver

Unlock it,and Click here to enter Corridor mode

Mode  
☐ CD ☒ PD

PD: PUSH DIM  
CD: Corridor DIM

## 4.Enter CD Setting homepage

Cancel
Corridor
Save

Mode  
☒ CD
☐ PD

Preview

Fade in time  
 s  
Value range 0-100

Occupied time  
 s  
Value range 0-60,000

Occupied level  
 %  
Value range 0-100

Fade out time  
 s  
Value range 0-100

Prolonged time  
 s  
Value range 0-60,000

Prolonged level  
 %  
Value range 0-100

Dim to off time  
 s  
Value range 0-100

Read
Write

Enter CD mode

### Tips:

1. You should select either CD mode or PD mode, but not both.
2. Under CD mode, you can realize it with normal (3rd party) AC sensor.
3. Default mode: PD mode.

## Additional Remarks

More

Write Consecutively
☐

Advanced
>

App Version
1.0.10

Check for Update
>

Privacy Policy
>

Configurations
More

1. Please make sure your APP version is 1.0.10 or higher.
2. Please make sure NFC driver's firmware is available with CLO / CD functions.

## Wiring Diagram

### 1. As a D4i Driver

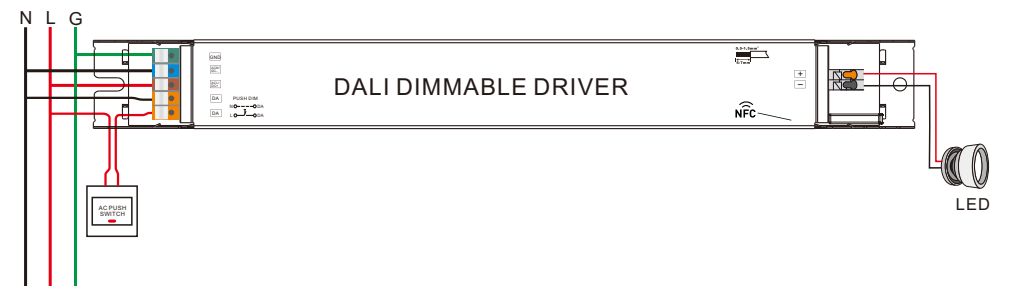


### 2.As a Normal DALI driver.

#### 2.1 With DALI bus



#### 2.2 With PUSH dimmer



## AC Push Function

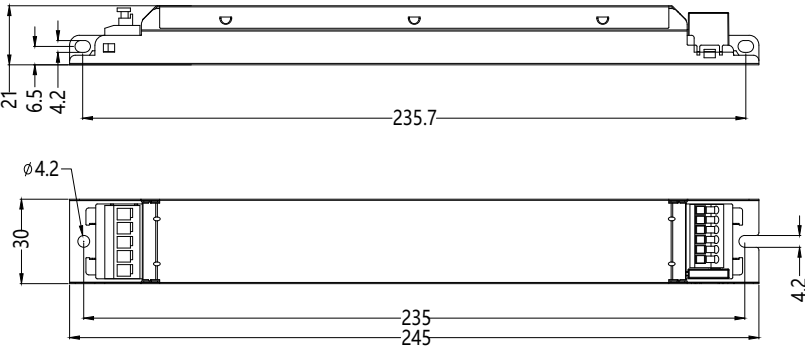
- 1) Click the button to switch ON/OFF
- 2) Press and hold down the button to increase or decrease light intensity to desired level and release it, then repeat the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.

Safety & Warnings

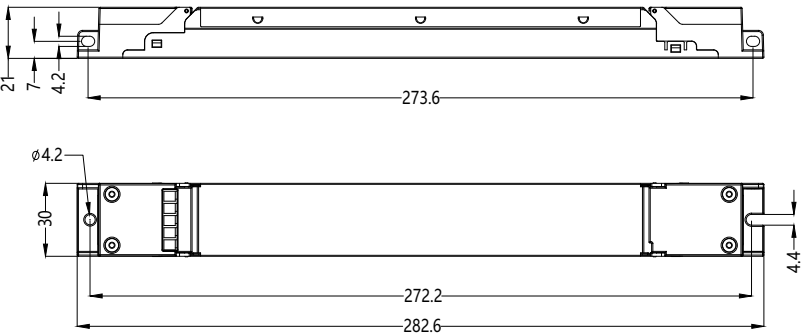
- DO NOT install with power applied to the device.
- DO NOT expose the device to moisture.

Product Dimension

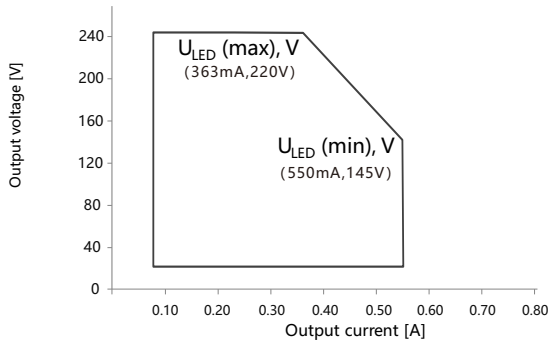
Without End Cap



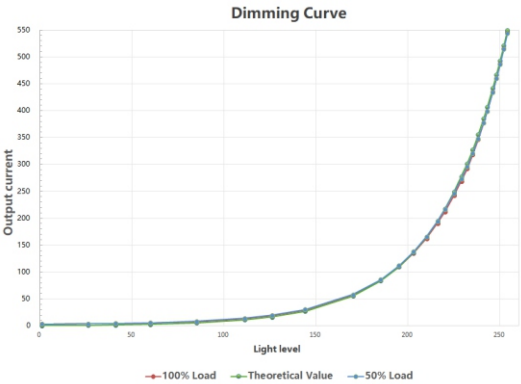
With End Cap



Operating window

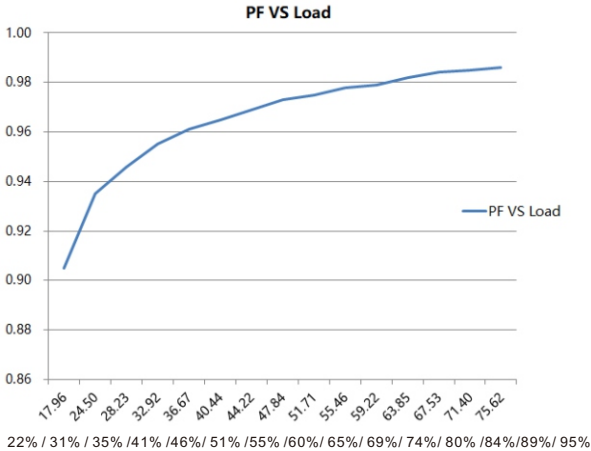


Dimming Curve



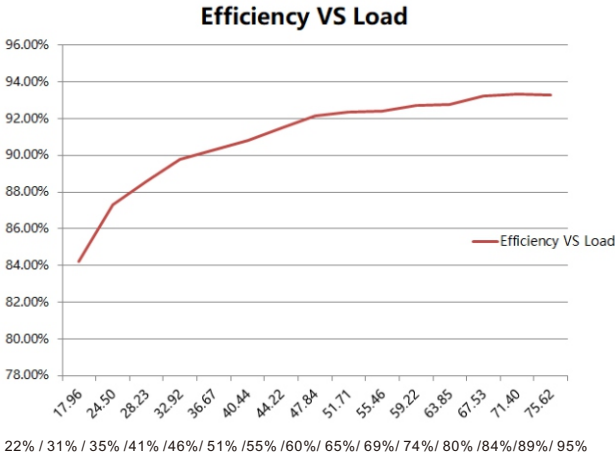
Note:  
Test data under 550mA gear

Driver Performance



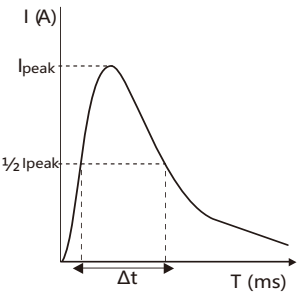
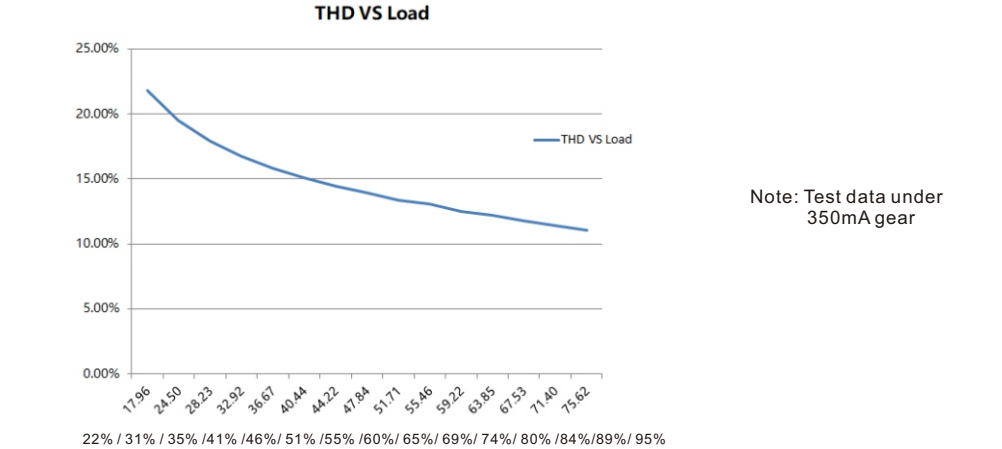
Note: Test data under 350mA gear

Driver Performance



Note: Test data under 350mA gear

Driver Performance



- Note:
- 1.Those MCB parameters are based on ABB S200 series circuit breakers.
  - 2.For different brands and models of miniature circuit breakers, the quantity of drivers will have difference.
  - 3.Please do not exceed the above-mentioned quantity during on-site installation, and the specific load quantity shall be subject to on-site installation.
  - 4.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.
  - 5.Type C MCB's are strongly recommended to use with LED lighting

Expected Lifetime

Module Number	Output current	Ta	30 °C	40 °C	45 °C	•••	60 °C
SRPL-2305iN-80CC100-550H 100 – 550 mA		Tc	44 °C	56 °C	62 °C	•••	90 °C(max)
		Lifetime	> 100,000 h	> 100,000 h	> 80,000 h		> 26,000 h

The LED driver is designed for a lifetime stated above under reference conditions.

The relation of tc to ta temperature depends also on the luminaire design.

MCB Load Quantity

Module Number	Ipeak	Twidth	Max.quantity of LED Driver per MCB														
			B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
SRPL-2305iN-80CC100-550H	23.5A	350μs	7	9	11	14	18	12	15	19	24	30	19	24	30	37	47
SRPL-2309iN-80CCT100-550H	23.5A	350μs	7	9	11	14	18	12	15	19	24	30	19	24	30	37	47

Update log

Date	Version	Update content	Update by
2024-3-21	V1.0	Initial Version	Romeo

Note: Subject to change without notice. Please contact us if you have any questions.