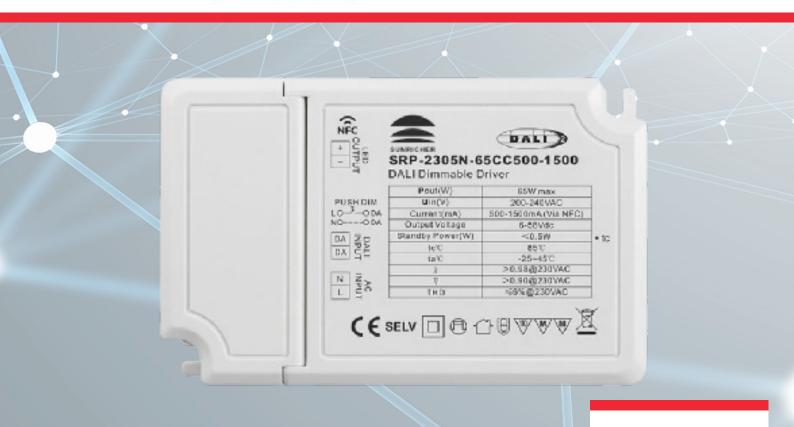


SUNRICHER



65W Compact Constant Current LED Driver with DALI-2 NFC

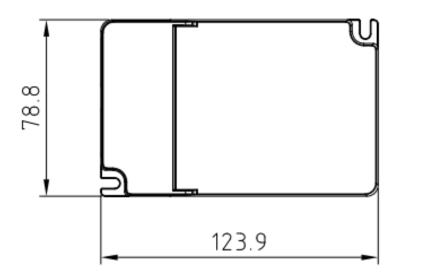


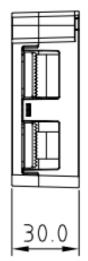
5 YEAR

Specification

		SRP-2305N-65CC500-1500
	DC Voltage Range	6~58V
.	Rated current	500-1500mA via NFC setting; Min.current gear lower to 0.1mA
Output	Current Accuracy	±3%(±1%@Certain full load) @ full load
	Rated power	65W
	Voltage Range	220-240VAC
	Frequency range	50/60Hz
	Power Factor (Typ.)	> 0.98@230VAC Full load
	Total Harmonic Distortion	THD ≤ 6% (@ full load / 230VAC)
Input	Efficiency (Typ.)	90% @ 230VAC full load
1	AC Current (Max)	0.35A @ 230VAC
	Inrush Current (Typ.)	Max. 9.68A at 230VAC; 70µs duration
	Leakage current	< 5mA/230VAC
	Standby Power Consumption	<0.5W
	Anti Surge	L-N: 2KV
	Dimming Interface	DALI Device Type 6 (DALI consumption < 2mA)/ AC Push
	Dimming Range	0.01%-100% @Max current
Control	Dimming Method	Amplitude/CCR dimming
	Dimming Curve	Linear/ Logarithmic optional
	Short Circuit	Yes, recovers automatically after fault condition is removed
Protection	Over Current	Yes, recovers automatically after fault condition is removed
	Over Temperature	Yes, recovers automatically after temperature drop
	Working TEMP.	-25°C ~ +45°C
Environment	Max. Case Temp	TC=85°C (Ta="45°C")
LIMIONNEIIt	Working humidity	10%-95% RH (non-condensing)
	Storage TEMP humidity	40°C ~ +80°C, 10% ~ 95% RH
	Safety standards	EN61347-1, EN61347-2-13
	Withstand voltage	I/P-O/P: 3.75KVAC
Safety & EMC	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70% RH
	EMC emissions	EN55015, EN61000-3-2, EN61000-3-3
	EMC Immunity	EN61547, EN61000-4-2,3,4,5,6,8,11
	Size	123.9*78.8*30 mm (L*W*H)
Others	Weight	0.25kgs
	Warranty	5 Years
Notes	1. DO NOT install with power applied	
	2. DO NOT expose the device to mois	ture.

Mechanical Specification

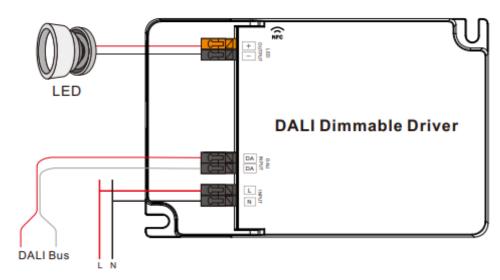




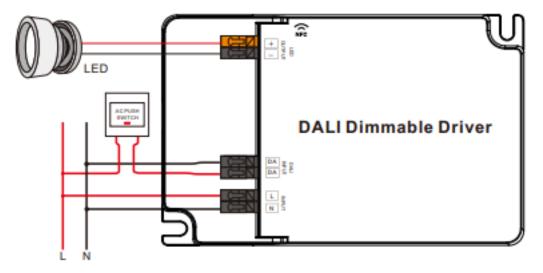
- Input Voltage Terminal: 2 pole terminal (same as the diagram)
- DALI or PUSH Dim Terminals: 2 pole terminals
- Output LED's: 2 pole terminal block: Positive (+), Negative (-)

Wiring Diagrams & Dimming

DALI



Push Dimming



Operation

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 desirred level and release it, then repear the operation to adjust light intensity to opposite direction. The dimming range is from 1% to 100%.

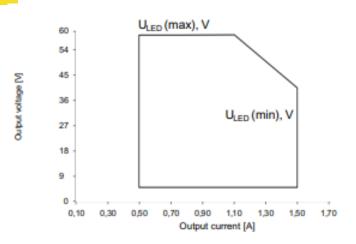
With NFC Programming Devices:

Note:

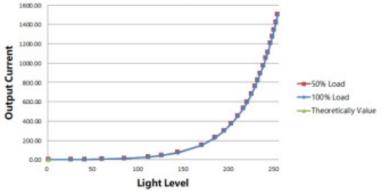
- 1. Do wiring according to the wiring diagram and power on the DALI system
- 2. Recommend setting parameters without power-on the DALI devices
- 3. Please make sure your mobile phone has NFC function and enable it

Wiring Diagrams & Dimming

Operating Window

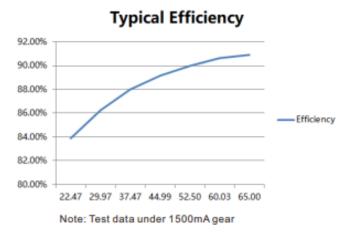


Dimming Curve



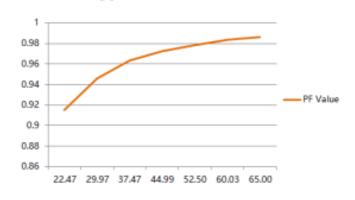
Note: Test data under 1500mA gear

Driver Performance



Driver Performance

Typical Power Factor



Note: Test data under 1500mA gear

Module Number	lpeak	Twidth											мсв					I (A)
			B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25	
SRP-2305N-65CC500-1500	9.68A	70µs	15	20	24	30	38	20	26	32	40	50	22	29	36	45	67	1/21peak
SRP-2309N-65CCT500-1500	9.68A	70µs	15	20	24	30	38	20	26	32	40	50	22	29	36	45	57	Δt T (ms)

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.

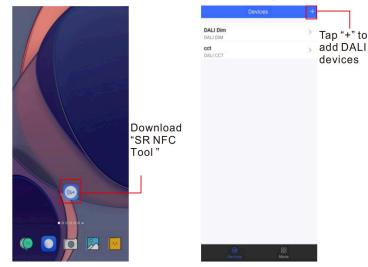
4. When the installation environment temperature of MCBs exceeds 30°C or when multiple MCBs are installed side by side, the number of mounted drives will be reduced, which requires recalculation.

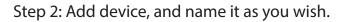
5.Type C MCB's are strongly recommended to use with LED lighting

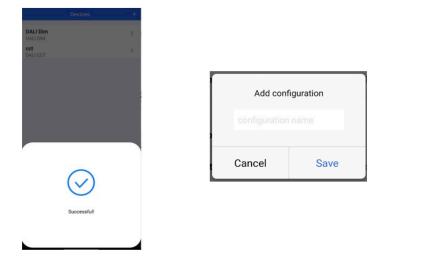
MCB Load Quality

Operation - Working with 'SR NFC Tool' App

Step 1: Download the APP (searching "SR NFC Tool" from App Store and Google Play). Open APP.







Step 3: Unlock device, enter parameters configuring page.

<	DALI Dim 2		<	DALI Dim 2	đ		<	Options
Device Type	DALI DIM	Locked	Device Type		DALI DIM	Unlock it	0	Max level Min level
Product Id	0x01000001		Product Id		0x01000001	omoonn		
Target current	300.0mA		Options		>		0	Power on level System failure level
			Target current		300.0mA >		0	Short address Groups
							•	Fade time Fade rate
							0	Dimming curve
							0	Scenes
							0	Target current
							•	Low side current error compensation
_								
Set	t All Attributes		Se	et All Attribute	s			Unselect All Select All



Cancel

DALI Dim

DALI Dim 2

Note:

- Please make sure that you have enabled NFC function with your mobile phone/ tablet.
- Please make sure that the "NFC position" is matched.
 - Please do not power on the device before setting.
- Please If you can't download "SR NFC Tool".
 Please contact with us
- 5. Please refer to QR code below





Notes:

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

ADM Systems Pty Ltd E sales@admtech.com.au 1300 236 467

Operation

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

<	DALI Dim 2 🗗	< DALI Dim	2 🗗	Cancel	Power on level	Save	Cancel	System failure level	Save	Cancel Fa	de rate	Save	Cancel	15	Gr	oups	s	ave
Device Type	DALI DIM	Options	>	Level			Level				_	_		_				
Product Id	0x01000001	Max level	100.0% >	255 (MA	sk)	- 1 - +	255 (M		+	7 (44.7steps/s)	-	+	0	1	2	3	4 5	
Options	>	Min level	0.100% >	200 (233 (14	(ASN)		<u> </u>			6	7	8	9	10 11	
Max level	100.0% >	Power on level	MASK >	_		-0			-0	1		15	12	13	14	15		
Min level	0.100% >	System failure level	MASK >	0		255	0		255									
Power on level	MASK >	Short address	0 >															
System failure I	level MASK >	Groups	>	Dimming curv	re		Dimming cu	rve										
Short address	0 >	Fade time	Extended fade >	 Logarithm 	ic 🔿 Linear		O Logarith	mic 🔿 Linear										
Groups	>	Fade rate	358steps/s >															
Fade time	Extended fade >	Dimming curve	Logarithmic >															
Fade rate	358steps/s >	Scenes	>															
Dimming curve	Logarithmic >	Target current	300.0mA >															
Scenes	>	Low side current error compensation	0.100 >															
Se	et All Attributes	Set All Attri	butes	Read	w	rite	Rea	d Wr	rite	Read	Write			Read			Write	

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

	Scenes	Cancel	Target current	Save	< DALI	Dim 2 යි	<
ne O	level MASK >				Options	×	Options
ne 1	level MASK >	3000		300.0mA 1=0.1mA	Max level	100.0% >	Max level
ne 2	level MASK >	Value range	1000-50000		Min level	0.100% >	Min level
e 3	level MASK >						
e 4	level MASK >				Power on level	MASK >	Power on level
e 5	level MASK >				System failure level	MASK >	System failure l
ne 6	level MASK >				Short address	0 >	Short address
7	level MASK >				Groups	>	Groups
e 8	level MASK >				Fade time	5.7s >	Fade time
9	level MASK >						Tode time
10	level MASK >				Ready	to Write	
11	level MASK >				6		
e 12	level MASK >				(
13	level MASK >						
e 14	level MASK >					the back of the mobile vice.	
ne 15	level MASK >				der	nue.	
					Car	ncel	
Read	Write	Rea	ad	Write			•

Notes:

- 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

CLO and Corridor DIM(CD) Function Instruction

Step 1: Open APP, and Find the CLO/CD functions

System f Short ad Groups Fade tim Fade rate

Target o

	6	· < 1	2CC E	5
ilure level	100.0%	System failure level	100.0%	
tress	o	Short address	0 3	>
		Groups		Cancel CLO
	2.0s	Fade time	2.0s 2	CEO
	5.6steps/s	Fade rate	5.6steps/s	
curve	Logarithmic	Dimming curve	Logarithmic	Constant lumen enable
		Scenes		
rrent	100.0mA	Target current	100.0mA 3	Working hours 0 ho
current ation	MASK	Minimum current compensation	MASK 3	Enable or Disable CLO functior
lumen operating	Disabled	Constant lumen oper	ating Disabled	
	PD mode	Corridor	PD mode 3	5
Cot All Attailuitos		Set All	Attributor	

Read From the NFC Driver

Unlock it, and Click here to enter CLO settings

Step 2: Enter CLO Setting homepage

Step 3: Corridor dim(CD) function

review			
utput Level (%)			
00			
80			
60			
4D	Inv	alid	
20			
0			
	Operating	Time (kh)	
imes and	Levels		
îmes and	Levels		
1	2	3 Invalid	4
		3 Invalid	4 Invalid
1 Invalid	2 Invalid	Invalid	Invalid
1 Invalid	2 Invalid	Invalid	Invalid 8
1 Invalid	2 Invalid	Invalid	Invalid
1 Invalid	2 Invalid	Invalid	Invalid 8
1 Invalid 5 Invalid	2 Invalid 6 Invalid	Invalid	Invalid 8 Invalid
1 Invalid	2 Invalid 6 Invalid	Invalid	Invalid 8
1 Invalid 5 Invalid	2 Invalid 6 Invalid	Invalid	Invalid 8 Invalid
1 Invalid 5 Invalid	2 Invalid 6 Invalid	Invalid 7 Invalid	Invalid 8 Invalid

ancel 1	Dor
me	
10	kh
Value range 1-100	
evel	
75	%
Value range 1-100	

Enable CLO function

Click "1", and set its time and level

Preview			
Output Level	(76)		
100			
80			
60			
40			
20			
0	10 20 30	40	
		Time (kh)	
1	nd Levels	3	4
-	2	3 30kh 85%	4 40kh 90%
1 10kh	2 20kh 80%	30kh	40kh
1 10kh 75%	2 20kh 80% 6 Invelid	30kh 85% 7	40kh 90%

Note:

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

Graphic display

100.0% >

0 >

2.0s > 5.6steps/s >

Logarithmic >

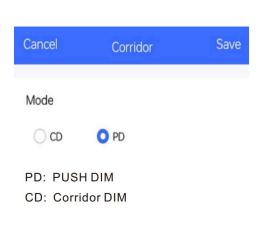
100.0mA >

MASK >

Disabled >

PD mode >

K 12CC	۵	< 12CC
System failure level	100.0%	System failure level
Short address	0	Short address
Groups		Groups
Fade time	2.0s	Fade time
Fade rate	5.6steps/s	Fade rate
Dimming curve	Logarithmic	Dimming curve
Scenes		Scenes
Target current	100.0mA	Target current
Minimum current compensation	MASK	Minimum current compensation
Constant lumen operating	Disabled	Constant lumen operating
Corridor	PD mode	Corridor
Set All Attribu	tes	Set All Attri
Read From the	NFC Driver	Unlock it,and (



Unlock it, and Click here to enter Corridor mode

Operation

Step 4: Enter CD Setting homepage

Cancel Corridor Save	Cancel Corridor	Save	Cancel Corr
de	Occupied time		Prolonged time
CD OPD	120 s	;	60
view	Value range 0-60,000		Value range 0-60,000
	Occupied level) Infinite
	100 9	6	
Fade in Occupied Fade out Prolonged Dim to off	Value range 0-100		Prolonged level
	Fade out time		20
	1000 000 000		
le in time	5 5		Value range 0-100
		i .	Value range 0-100 Dim to off time
5 s	5 Value range 0-100		
s s s s s s s s s s s s s s s s s s s	5 5		Dim to off time

Notes:

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

Additional Information



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