

# AURA+ ALCC012/20 TUNABLE WHITE LED DRIVER SERIES

## TWO CHANNEL DALI-2 CONSTANT CURRENT LED DRIVER

ALCC012-2-00350-042-DALI-SR  
ALCC020-2-00700-042-DALI-SR

### FEATURES

- Two channel output, output current level selectable by DIP switch
- High efficiency up to 85 %
- Built-in active PFC function
- Protections: Short circuit, over load, over Voltage

### APPLICATION

- Suitable for indoor LED lighting application, such as down lights and spot lights

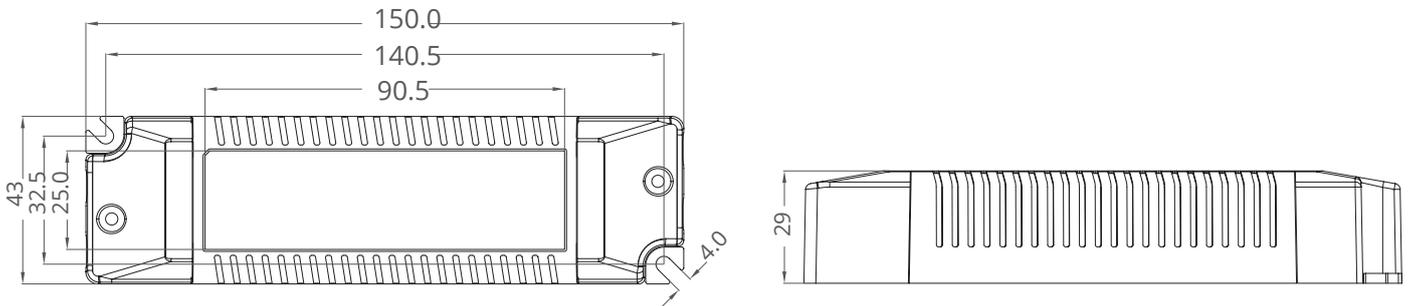


## Technical Data

Product Code		ALCC012-2-00350-042-DALI-SR			ALCC020-2-00700-042-DALI-SR		
Output	DIP Switch Technical Values	Current	Voltage	Power	Current	Voltage	Power
		*120mA	9-42V	5.04W	350mA	9-42V	14.7W
		*150mA	9-42V	6.3W	400mA	9-42V	16.8W
		*180mA	9-42V	7.56W	450mA	9-42V	18.9W
		*200mA	9-42V	8.4W	500mA	9-40V	20W
		240mA	9-42V	10.1W	550mA	9-36V	19.8W
		270mA	9-42V	11.34W	600mA	9-33V	19.8W
		300mA	9-40V	12W	650mA	9-30V	19.5W
	350mA	9-34V	11.9W	700mA	9-28V	19.6W	
		Channel	2				
	No load output voltage	60V Max			50V max		
	Current Tolerance	±5%					
	Turn on delay Time	<1s, at 230VAC					
	Ripple Current	<3%					
Input	Efficiency	>83%@230VAC, Full load			>86%@230VAC, Full load		
	Voltage	220VAC-240VAC					
	Frequency Range(Hz)	50/60Hz					
	Power Factor	≥0.95@230VAC, Full load					
	THD(full load)	<10%@230VAC, Full load					
	AC Current Max	0.06Amax@230VAC			0.12Amax@230VAC		
	Standby Power	<0.5W					
	Inrush Current	Cold start, 15A(twidth=14us measured at 50% Ipeak)@230VAC					
	Protections	Short Circuit	Close output, recovers automatically after fault removed				
Over Load		When the output voltage is exceeded, the output current decreases and, recovers automatically when the load is reduced.					
Over Voltage		Close output, recovers automatically after fault removed					
Dimming	Dimming Type	DALI /Touch DIM					
	Dimming Range	0.2%-100% Dimming to off			5%-100% Dimming to off		
	Color Temperature	2700K-6500K			3000K-6000K		
Environment	IP rating	IP20					
	Working temp.	-20 ~+50°C					
	Storage temp.	-40 ~+85°C					
	Tc.	+80°C					
	Relative humidity	20~90% RH					

\*Current Tolerance: 120mA ±8%, 150mA ±8%, 180mA ±7%, 200mA ±7%

## Dimensions



Lenght	150mm
Width	43mm
Height	29mm
Weight	125g
Carton Size	50PCS/Carton; 6.65kg±5%/ Carton Size: 319*254*136mm(L*W*H)

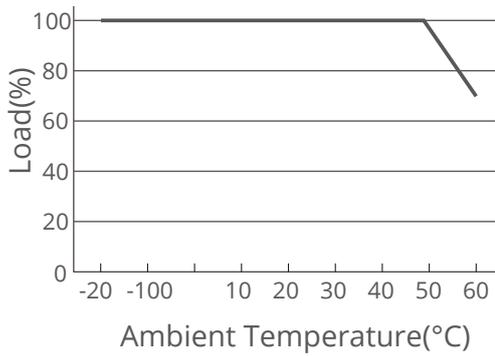
### Safety

Surge	L-N:1KV
Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA
DALI Standard	IEC 62386-101: 2014, IEC 62386-102: 2014; IEC 62386-209: 2009, DALI 1.0
Safety Standards	IEC/EN61347-1, IEC/EN61347-2-13, GB19510.1, GB19510.14,
EMC Eission	EN50515, EN61000-3-2 Class C, IEC61000-3-3, GB/T17743
EMC Immunity	EN61000-4-2,3,4,5,6,8,11 EN61547, GB17625.1

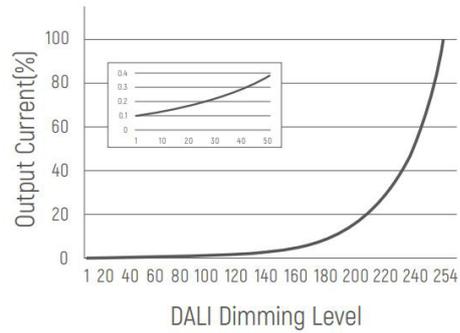
### Warranty and Lifetime

Lifetime	50,000h@tc:70
Switch Cycle	>25,000 times
Warranty	5 years

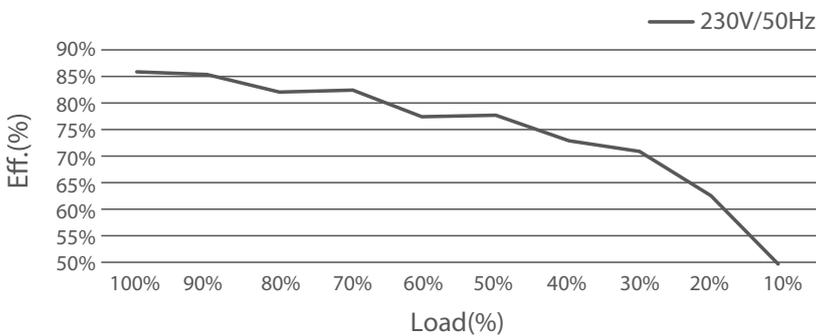
### Derating Curve



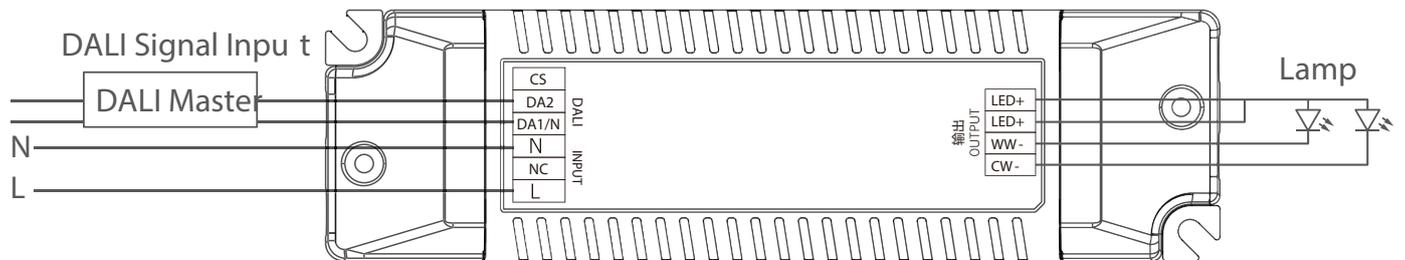
### Dimming Curve



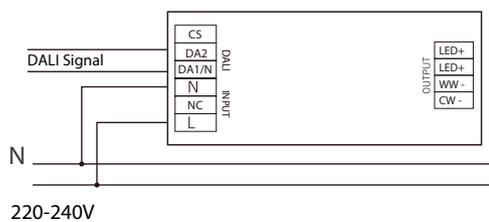
### Efficiency Curve



### Wiring Diagram



### DALI Diagram



### Push DIM (Touch DIM) Diagram

