

AURA+ ALCC040 LED DRIVER SERIES

SMALL-SIZE CONSTANT CURRENT LED DRIVER WITH 3-IN-1 DIMMING

ALCC040-0xxxx-04x-010V

FEATURES

- Single channel output, output current level selectable by DIP Switch
- Support 3-in-1 dimming mode:0/1-10V active signal, adjustable resistance, PWM(A model)
- Input voltage of 120VAC ~ 277VAC
- Dimming range: 0.1-100%

 Dimming effect smooth, no flicker
- Protections: Short circuit, over load, over voltage
- Small Size
- · Half Potted Electronics
- Flicker Free
- IP20
- With Wires

APPLICATION

 Downlights, Panel Lights, Spotlights, Ceiling Lights, Decorative Lights, Floor Lights, Track Lights and Flood Lights









Class 2

















Technical Data

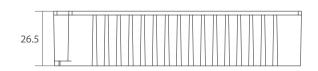
Product Code		ALCC040-00850-048-010V			ALCC040-01200-042-010V			
		Current	Voltage	Power	Current	Voltage	Power	
		500mA	9-48V	24W	850mA	9-42V	35.7W	
		550mA	9-48V	26.4W	900mA	9-42V	37.8W	
		600mA	9-48V	28.8W	950mA	9-42V	39.99W	
	DIP Switch Technical Values	650mA	9-48V	31.2W	1000mA	9-40V	40W	
		700mA	9-48V	33.6W	1050mA	9-38V	39.9W	
Output		750mA	9-48V	36W	1100mA	9-36V	39.6W	
оперис		800mA	9-48V	38.4W	1150mA	9-34V	39.1W	
		850mA	9-47V	39.95W	1200mA	9-33V	39.6W	
	Channel				1			
	No load output voltage	58V Max			58V Max			
	Frequency	1KHz Min PWM						
	Current Tolerance	±5%						
	Ripple Current	<3%						
	Voltage	120VAC-277VAC						
	Frequency	50/60Hz						
	Efficiency	87%	@120VAC, Ful	lload	87%@120VAC, Full load			
Input	PF	>0.99@120VAC, Full load						
	THD(full load)	<10%@120VAC, Full load						
	Current	0.6A max @120VAC						
	Inrush Current	Cold start, 30A@120VAC						
Protections	Over Voltage	Hiccup, recovers after fault condition is removed						
	Short Circuit	Hiccup, recovers after fault condition is removed						
	Over load	Close output, recovers automatically after fault removed						
Dimming	Dimming type	0/1-10V(Type A)						
Bulullille	Dimming range	0.1%-100% Dimming to off						
	IP rating	IP20						
Environment	Working temp.	-20 ~+50°C						
	Tc.	+90°C						
	Relative humidity	20~90% RH						





Dimensions





Lenght	121mm
Width	44mm
Height	26.5mm
Lenght of the wires	150mm
Stripping Length	10mm
Weight	156g
Packing Size	50pcs
Material	PC
Safety	
Surge	L-N:1KV
Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA; I/P-Gnd: 1500VAC/1min/ 5mA; O/P-Gnd: 500VAC/1min/5m
Safety standards	UL8750/UL1310/CSA25013,CSA class P
EMI Eission	EN55015,EN61000-3-2 Class C,IEC61000-3-3

Safety Labels



EMC Immunity

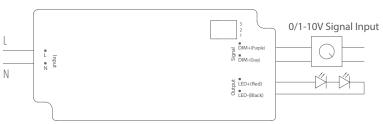


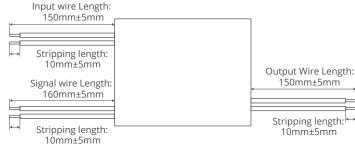


FCC class B(120V)/class A(277V)

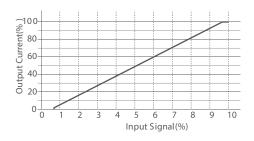


Wiring Diagram





Dimming Curve

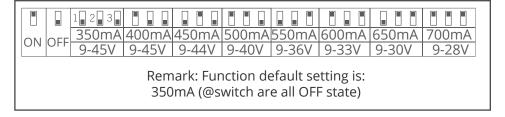


Current Selection Table

ALCC040-00850-048-010V

Г.										
			1 2 3							
Ш	ON	OFF	500mA	550mA	600mA	650mA	700mA	750mA	800mA	850mA
			9-48V	9-47V						
	Remark: Function default setting is: 500mA (@switch are all OFF state)									

ALCC040-01200-042-010V



Cautions

- 1. This product should be installed by qualified personnel.
- 2. This product is non waterproof, need to avoid sun and rain. In case of outdoor use, please ensure it is mounted in a water proof enclosure. 3. Good heat dissipation conditions extend product life. Please install the product in a well-ventilated environment.
- 3. Please make sure LED power supply output voltage, current is used to meet the product requirements.
- 4. Please ensure that adequate sized cable is used from the controller to the LED lights to carry the current. Please also ensure that the cable is secured tightly in the connector.
- 5. Due to safety concerns, PVC or rubber cord of 0.75-2.5mm2 is recommended for input and output terminal(s) (excluding signal terminals). Flat power cord is not suitable. Ensure all wire connections and polarities are correct before applying power to avoid any damages to the LED lights.
- 6. In case of malfunction, do not repair it yourself.

