

AURA+ ALCC020 LED DRIVER SERIES

SMALL-SIZE CONSTANT CURRENT LED DRIVER WITH TRIAC DIMMING

ALCC020-00600-045-TRIAC

FEATURES

- Single channel output, output current level selectable by DIP Switch
- Support Leading edge (Triac) and Trailing edge (ELV) dimmer
- Input Voltage 220-240VAC
- Built-in active PFC function
- Class 2 power supply. Full protective plastic housing
- 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



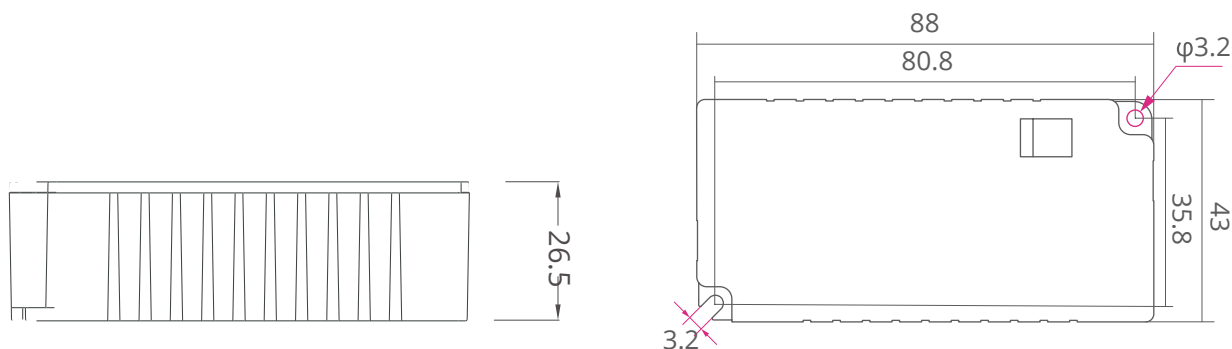
SELV **CE**



Technical Data

Product Code		ALCC020-00600-045-TRIAC		
Output	DIP Switch Technical Values	Current	Voltage	Power
		250mA	9-45V	11.25W
		300mA	9-45V	13.5W
		350mA	9-45V	15.75W
		400mA	9-45V	18W
		450mA	9-44V	19.8W
		500mA	9-40V	20W
		550mA	9-36V	19.8W
		600mA	9-33V	19.8W
	Channel	1		
	No load output voltage	60V Max		
	Frequency	2 KHz PWM		
Input	Current Accuracy	±5%		
	LF current ripple(<120Hz)	<3%		
	Voltage	220-240VAC		
	Frequency	50/60Hz		
	Efficiency	79%@230VAC, Full load		
	PF	0.92@230VAC, Full load		
	THD(full load)	<20%@100VAC, Full load		
	Current	0.2A max @230VAC		
Protections	Inrush Current	Cold start, 10A@120VAC		
	Over Voltage	Hiccup, recovers after fault condition is removed		
	Over load	Hiccup, recovers after fault condition is removed		
Dimming	Short circuit	Close output, recovers automatically after fault removed		
	Dimming type	TRIAC		
Others	Dimming range	3%-100%		
	IP rating	IP20		
	Working temp.	-20 ~+50°C		
	Tc	+90°C		
	Relative humidity	20~90% RH		
	Lifetime	50,000h@tc:+70°C		
	Switch cycle	>25,000 times		

Dimensions

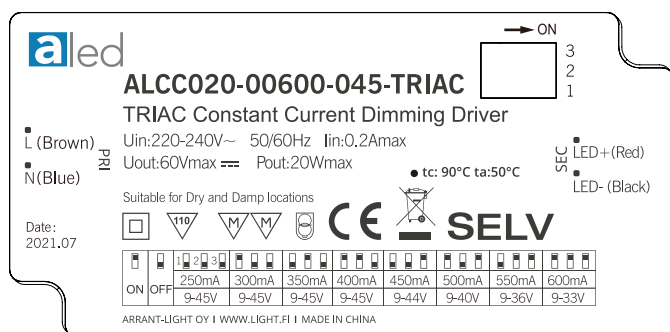


Lenght	88mm
Width	43mm
Height	26.5mm
Lenght of the wires	150mm
Stripping Length	10mm
Weight	105g
Packing Size	50pcs
Material	PC

Safety

Surge	L-N:0.5kV;
Withstand Voltage	I/P-O/P: 3000VAC/1min/5mA
Safety standards	EN61347-2-13
EMI Eission	EN55015
EMC Immunity	EN61000-3-3 EN61000-4-3 EN61000-4-4 EN61000-4-5

Safety Label



Triac signal

Output LED

Input wire Length: 150mm±5mm

Stripping length: 10mm±5mm




Output Wire Length: 150mm±5mm

Stripping length: 10mm±5mm

A line graph showing the output percentage of a sigmoid function for various input signal percentages. The x-axis is labeled 'Input Signal (%)' and ranges from 0 to 100 in increments of 7. The y-axis is labeled 'Output (%)' and ranges from 0 to 100 in increments of 20. The curve starts at (0,0) and remains near 0 until approximately 50% input, then rises steeply to reach 100% output at 100% input.

Input Signal (%)	Output (%)
0	0
7	0
14	0
21	0
29	0
36	0
43	0
50	0
57	0
64	2
71	10
78	25
85	50
92	75
100	100

ON	OFF	1	2	3								
		250mA	300mA	350mA	400mA	450mA	500mA	550mA	600mA			
		9-45V	9-45V	9-45V	9-45V	9-44V	9-40V	9-36V	9-33V			

ARRANT-LIGHT OY
+358 2 246 2300 | INFO@LIGHT.FI
RAJAKIVENKATU 8, 20740 TURKU, FINLAND
   @ARRANTLIGHTOY **WWW.LIGHT.FI**