

# ADL2-010-IC700-ZS

Constant Current Isolated LED Driver

Output Power: **10W**

Output Current: **350-700mA** (dip switch programmable)



**IP20**



**5 years warranty**

## Product Features:

- Single channel isolated output, selectable by DIP switch.
- 3-in-1 dimming mode: 0-10V active signal, adjustable resistance, PWM
- Input voltage of 120VAC~277VAC
- Dimming range: 0.1-100%, smooth, no flicker
- Protections: Short circuit, Overload, Over voltage
- Suitable for indoor LED lighting application



## Applications:



Downlight



Panel Light



Spotlight



Ceiling Light



Decorative Light



Floor Light



Track Light





Flood Light

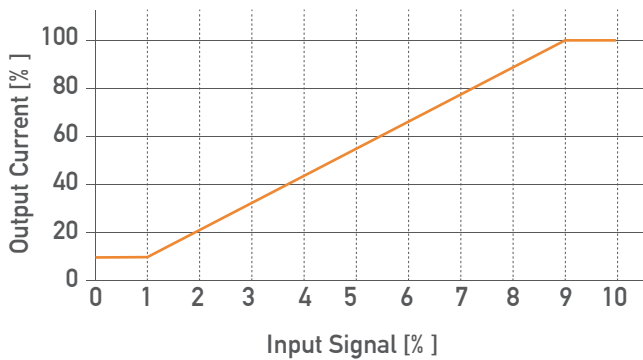
## Electrical specification:

Input	Voltage	120VAC-277VAC			
	Frequency	50/60Hz			
	Current	0.13Amax@120VAC			
	Efficiency	78%@120VAC, Full load			
	PF	0.98@120VAC, Full load			
	THD (full load)	<10%@120VAC, Full load			
	Inrush Current	Cold start,30A@120VAC			
Output	Current/Voltage/Power	350mA/2-21V/7.35W	450mA/2-21V/9.45W	550mA/2-18V/9.9W	650mA/2-15V/9.75W
		400mA/2-21V/8.4W	500mA/2-20V/10W	600mA/2-16V/9.6W	700mA/2-14V/9.8W
	Channel	1			
	No load output voltage	58V Max			
	Frequency	1KHz Min PWM			
	Current tolerance	±5%			
Protection	LF current ripple (<120Hz)	<3%			
	Over Voltage	Hiccup, recovers after fault condition is removed			
	Over load	Hiccup, recovers after fault condition is removed			
Safety & EMC	Short circuit	Close output, recovers automatically after fault removed			
	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			
Functions	Safety standards	UL8750 / UL1310 / CSA25013, CSA class P			
	EMI Emission	EN55015, EN61000-3-2 Class C, IEC61000-3-3			
	EMC Immunity	FCC class B (120V) / class A (277V)			
Other	Dimming	0-10V			
	Dimming range	0.1%-100% Dimming to off			
	Dimension (L*W*H), weight	75 35x26.5mm, 96g			
	Pack Information	100PCS/Carton; 10.1kg±5%/Carton; Carton Size: 398x210x208mm			
	IP rating	IP20			
	Operating temp / Relative humidity	-40°C~+50°C, / 20~90% RH			
	tc	90°C			
	Lifetime	50,000h@tc:85°C			
	Material	PC			

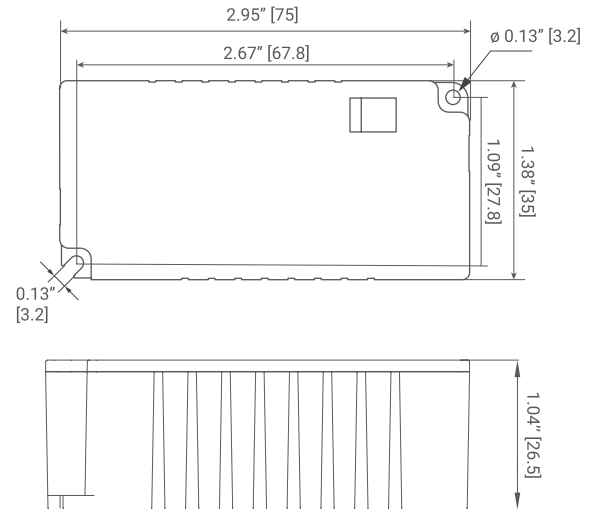
## Current Selection Table:

ON	OFF	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
		350mA 2-21V	400mA 2-21V	450mA 2-21V	500mA 2-20V	550mA 2-18V	600mA 2-16V	650mA 2-15V	700mA 2-14V

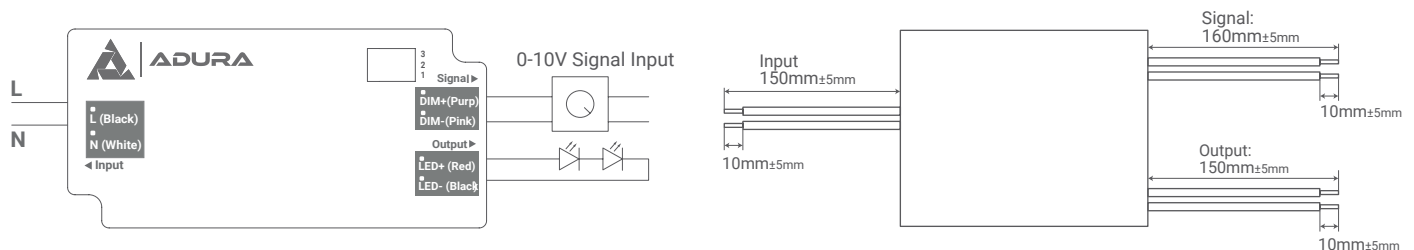
## Dimming Curve:



## Dimmensions:



## Wiring Diagram:



## Warranty:

WARRANTY PERIOD GENERAL TERMS AND CONDITIONS [ADURASOLUTIONS.COM/WARRANTY](http://ADURASOLUTIONS.COM/WARRANTY)



## Safety:

- RISK OF ELECTRICAL SHOCK. MAY RESULT IN SERIOUS INJURY OR DEATH. DISCONNECT POWER BEFORE SERVICING OR INSTALLING.**
- THE LED DRIVER MAY ONLY BE CONNECTED AND INSTALLED BY A QUALIFIED ELECTRICIAN. ALL APPLICABLE REGULATIONS, LEGISLATION, AND BUILDING CODES MUST BE OBSERVED. INCORRECT INSTALLATION OF THE LED DRIVER CAN CAUSE IRREPARABLE DAMAGE TO THE LED DRIVER AND THE CONNECTED LEDS.
- PAY ATTENTION WHEN CONNECTING THE LEDS: POLARITY REVERSAL RESULTS IN NO LIGHT OUTPUT AND OFTEN DAMAGES THE LEDS.
- LED DRIVERS ARE DESIGNED AND INTENDED TO OPERATE LED LOADS ONLY. POWERING NON-LED LOADS MAY PUSH THE LED DRIVER OUTSIDE ITS SPECIFIED DESIGN LIMITS AND IS, THEREFORE, NOT COVERED BY ANY WARRANTY.
- TO GUARANTEE SUFFICIENT CONVECTION COOLING, **KEEP A MINIMUM DISTANCE OF 2" (50MM)** AND LATERAL DISTANCE TO OTHER UNITS. GOOD HEAT DISSIPATION CONDITIONS EXTEND PRODUCT LIFE. INSTALL THE PRODUCT IN A WELL-VENTILATED ENVIRONMENT.
- PLEASE MAKE SURE LED POWER SUPPLY OUTPUT VOLTAGE, CURRENT IS USED TO MEET THE PRODUCT REQUIREMENTS.
- THE CURRENT RATING FOR THE OUTPUT CABLE MUST BE RATED HIGHER THAN OR EQUAL TO THE OUTPUT CURRENT OF THE POWER SUPPLY, REFER TO THE PRODUCT SPECIFICATIONS.
- PLEASE OBSERVE VOLTAGE DROP OVER LONG CABLE LENGTHS. LONGER CABLE LENGTHS INCREASE EMI SUSCEPTIBILITY.
- IN CASE OF MALFUNCTION, DO NOT REPAIR IT.