

ADL2-010-IC700-DS

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.
- DALI dimming function (Touch/Push)
- 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

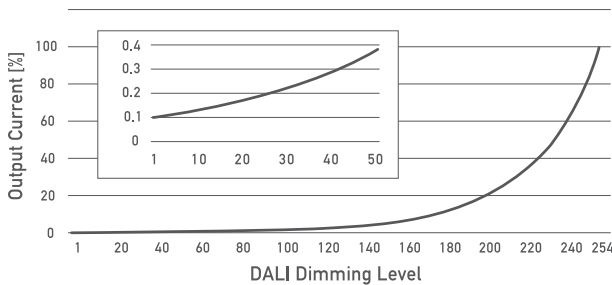
Electrical specification:

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	Over Voltage	Hiccup, recovers after fault condition is removed			
	Over load	Hiccup, recovers after fault condition is removed			
	Short circuit	Close output, recovers automatically after fault removed			
Safety & EMC	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 Emission	EN55015, EN61000-3-2 Class C, IEC61000-3-3			
	EMC Immunity	FCC class B (120V) / class A (277V)			
Functions	Dimming	0-10V			
	Dimming range	0.1%-100% Dimming to off			
Other	Dimension (L*W*H), weight	75x35x26.5mm, 96g			
	Pack Information	100PCS/Carton; 10.1kg±5%/Carton; Carton Size: 398x210x208mm			
	IP rating	IP20			
	Operating temp / Relative humidity	-20°C~+50°C, / 20~90% RH			
	tc	90°C			
	Lifetime	50,000h@tc:85°C			
	Material	PC			

Current Selection Table:

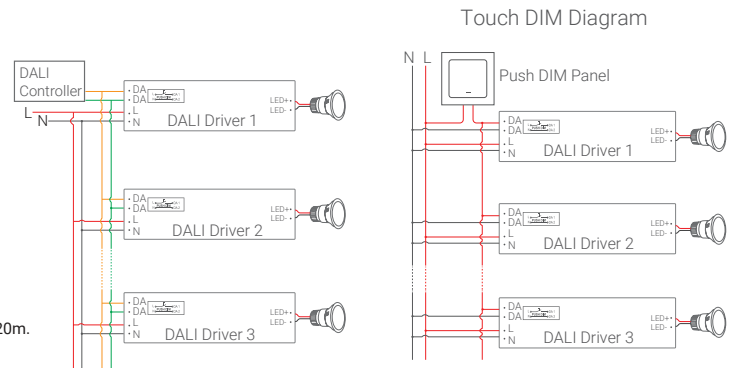
ON	OFF	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
		 350mA 2-21V	 400mA 2-21V	 450mA 2-21V	 500mA 2-20V	 550mA 2-18V	 600mA 2-16V	 650mA 2-15V	 700mA 2-14V

Dimming Curve:

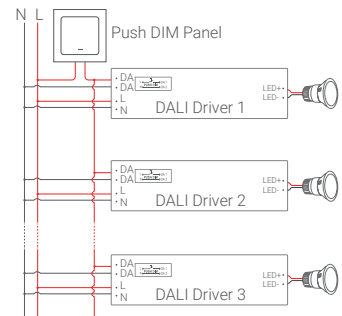


Only use open push button without indicator light. Maximum cable length between each unit: 20m.

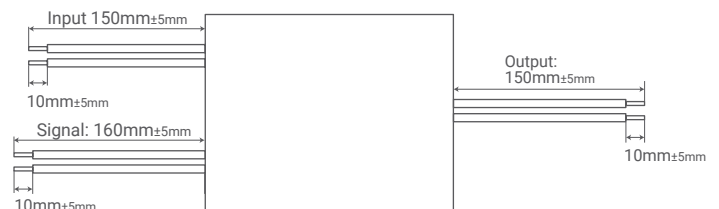
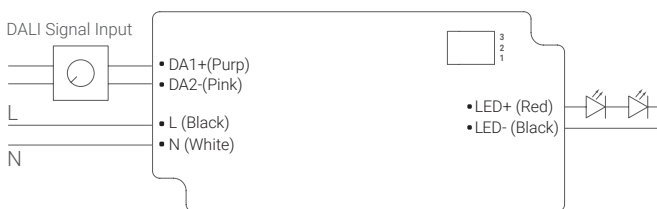
DALI Connection Diagram



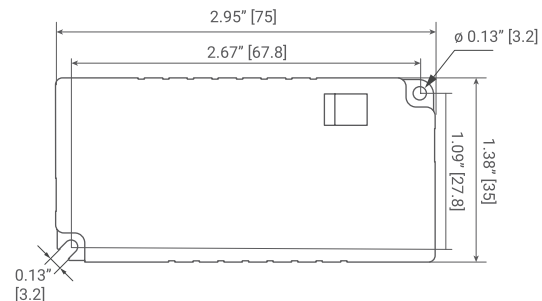
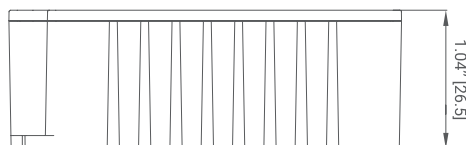
Touch DIM Diagram



Wiring Diagram:




Dimensions:



Warranty:

Warranty period General Terms and Conditions <https://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) or above** 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.