



CE IP20 SELV

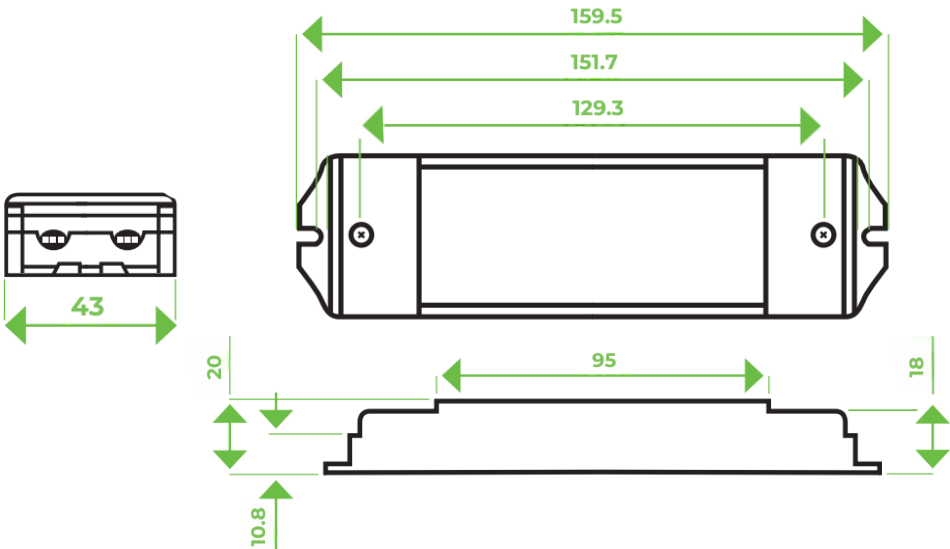
Features:

- AC Input Range: 100~277VAC with PFC
- Output Current Selectable via DIP Switch
- Protections: Short Circuit, Over Load, Over Temperature
- 0/1-10V Dimmable
- IP20 Design for Indoor Installation
- Class II Power Supply
- 5 year warranty

Model		ADC-20							
Output	Rated Current (mA)	250mA	350mA	400mA	450mA	500mA	550mA	600mA	700mA
	⬆ ON ⬇ OFF	⬇⬇⬇	⬆⬇⬇	⬇⬆⬇	⬇⬇⬆	⬆⬆⬇	⬆⬇⬆	⬇⬆⬆	⬆⬆⬆
	Current Tolerance	±25mA							
	DC Voltate	3-42V	3-42V	3-42V	3-42V	3-42V	3-42V	3-33V	3-29V
	Rated Power	10.5W	14.7W	16.8W	18.9W	20W	19.8W	19.8W	20.3W
Input	Rated Input Voltage	100-277VAC							
	Rated Frequency	47-63HZ							
	Power Factor	0.99@120VAC	0.95@230VAC	0.9@277VAC					
	Efficiency (Typ.)	81% @120VAC	81%@230VAC	80%@277VAC					
	AC Current (Max.)	0.3A							
	Inrush Current (Typ.)	10.2A, 24uS @ 50%Ipeak at 277VAC							
	Leakage Current	<0.50mA							
Protection	Short Circuit	Constant current mode, recovers automatically after fault condition is removed.							
	Output No-Load Voltage	52V max.							
	Over Temperature	Ambient temp. over 55±10°C, output current will be off; recovers automatically after temperature drops							
	Protection Class	II							
Environment	Working TEMP.	-40~+60°C							
	Working Humidity	20-90%RH, non condensing							
	Storage Temp. Humidity	-40 - 70°C, 10-95%RH							
Safety	Safety Standards	EN61347-1 EN61347-2-13							
	Withstand Voltage	I/P-O/P:3.75KVAC							
	Isolation Resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH							
Others	Weight	0.15kg							
	Size	159.5*43*20mm (L*W*H)							
	Packing	340*250*135mm (50PCS/CTN ) for outer carton 8.3KG/CTN.							
Notes	1. All parameters NOT specially mentioned are measured at 277VAC input, rated load and 25°C of ambient temperature. 2. Tolerance: includes set up tolerance, line regulation and load regulation. 3. Specifications are subject to change without prior notice. Contact your supplier to confirm any critical parameters.								

Mechanical Specification

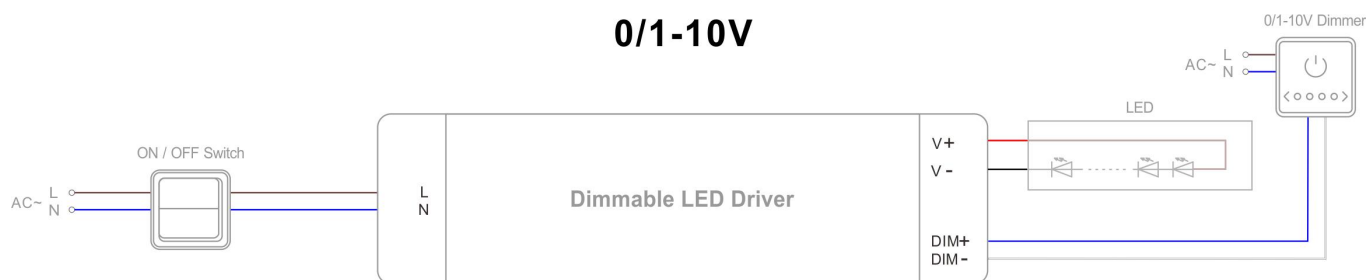
- Input 3 pole terminal block: Active AC (L), Neutral AC (N).
- Output 2 pole terminal block: Positive (LED+), Negative (LED-).
- 0/1-10V. Terminals 2P.
- Suggested wire diameter: Input 0.75-2mm²; Output: 0.5-2mm².
- Ensure that all wiring is correct before testing in order to avoid damage to the LED driver or the LEDs.



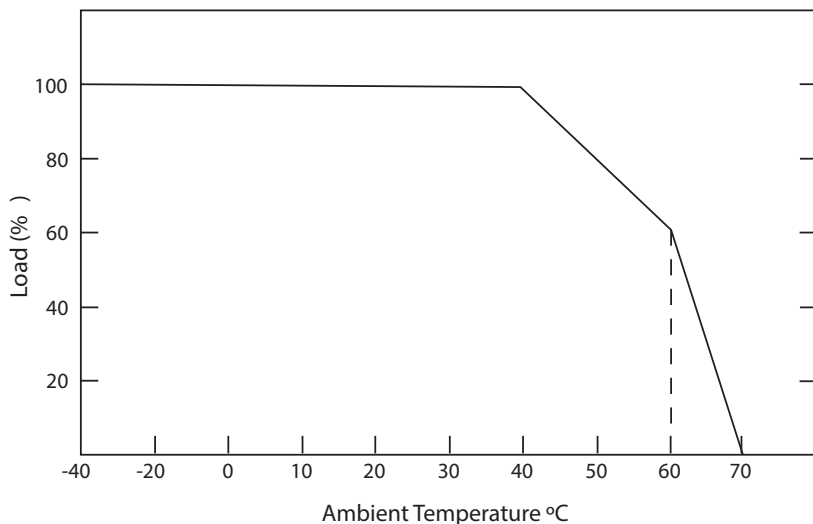
## Dimming Operation and Connecting Diagram

1. Adjust the LED driver output to the desired constant current by using the dip switch.
2. Connect the 0/1-10V dimmer pot – for example the Power Source D1-10.
3. Connect a light fitting and test operation before connecting any further fittings.

### 0-10/1-10V



## De-rating Curve



To extend their life, please refer to the De-rating Curve and de-rate according to the temperature.

- If being used in higher ambient temperatures, ensure the load on the LED driver is de-rated in accordance with this chart. Failure to do so could lead to a premature failure, which is not

## Instruction:

- 1) This driver should be installed by qualified and professional person;
- 2) Please make sure the driver is installed with adequate ventilation around it to allow for heat dissipation.
- 3) Ensure that wiring is correct before test in order to avoid LED and power supply damage.

Any other question please feel free to contact ADM Systems Pty Ltd.