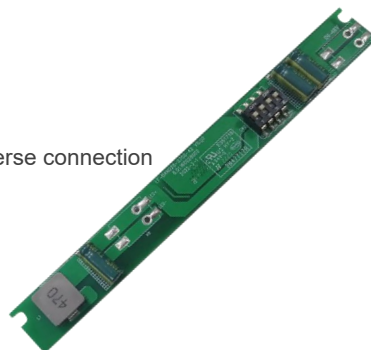


Features

- Constant current output and current adjustable via DIP switch
- All-round protections: short circuit, over load, no load and anti-reverse connection
- Compact size
- 5-year warranty (please refer to the warranty condition)



Applications

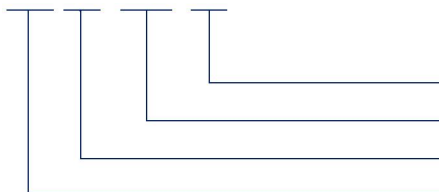
· Horticultural lighting · indoor office lighting · decorative lighting · commercial lighting · residential lighting

Descriptions

LF-BAN028-0700-42 is a 28W constant current LED driver. Its rated input voltage is $48Vdc \pm 5\%$ and output current can be adjusted via DIP switch from 350 to 700mA with every 50mA as a step. It features compact size, built-in design (inside the magnetic track box) and high efficiency.

Product Model

LF - BAN 028 - 0700 - 42



- 42: maximum output voltage: 42V
- 0700: maximum output current: 700mA
- 028: rated power: 28W
- BAN: CC non-dimmable LED driver

Lifud Technology Co., Ltd.

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■ Electrical Characteristics

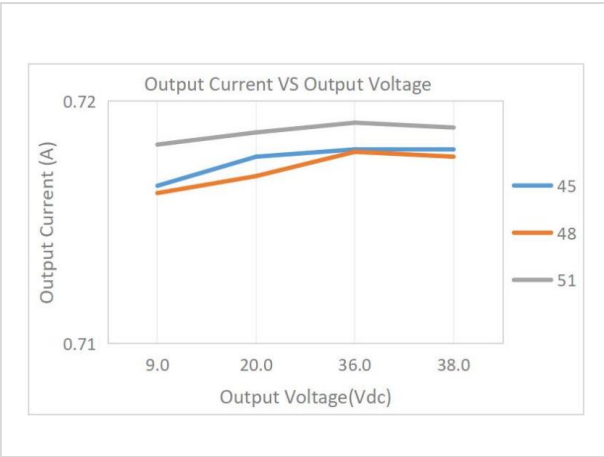
Model		LF-BAN028-0700-42							
Environment Descriptions	Output Current	Adjustable via DIP switch							
		350mA	400mA	450mA	500mA	550mA	600mA	650mA	700mA
	Output Voltage	9-42V (Vin-Vo ≥7V)							
	Output Power	29.8W max.							
	Flicker Index	IEC-Pst ≤1, CIE SVM ≤0.9, modulation depth ≤1% Complies with flicker-free standard: IEEE Std 1789-2015							
	Current Tolerance	± 10%	± 8%			± 5%			
Input	Input Voltage	48Vdc ± 5% (positive and negative electrodes not identified)							
	Input Current	0.72A max.							
	Efficiency	≥92%							
Protections	Short Circuit	Auto-recovery							
	Over Load	The output current decreases when the actual voltage exceeds the output voltage and automatically recovers after the load is lighten.							
	No Load	The driver is not easily being damaged (no-load voltage ≤59V).							
	Anti-reverse Connection	When the input of driver is reversely connected, its output is of no abnormalities.							
Environment Descriptions	Operating Temperature	-20℃ - +60℃							
	Operating Humidity	20-90%RH (without condensation)							
	Storage Temperature/ Humidity	-30℃ - 80℃ (6 months in Class I environment); 10-90%RH (without condensation)							
	Atmospheric Pressure	86-106kPa							
Other Parameters	IP Rating	IP20							
	RoHS	RoHS 2.0 (EU) 2015/863							
	Warranty Condition	5 years							
Testing Equipment	Digital power meter: CHROMA66202, oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant temperature and humidity chamber; Everfine EMS61000-5B; Everfine EMS61000-4A, spectroanalyzer: KH3935, flikcker tester (flicker-free coefficient test): 60N-01, etc.								
Testing Remarks	If there are no special remarks, the above parameters are tested at the ambient temperature of 25℃, humidity of 50%, full load and input voltage of 48Vdc.								

■ Electrical Characteristics

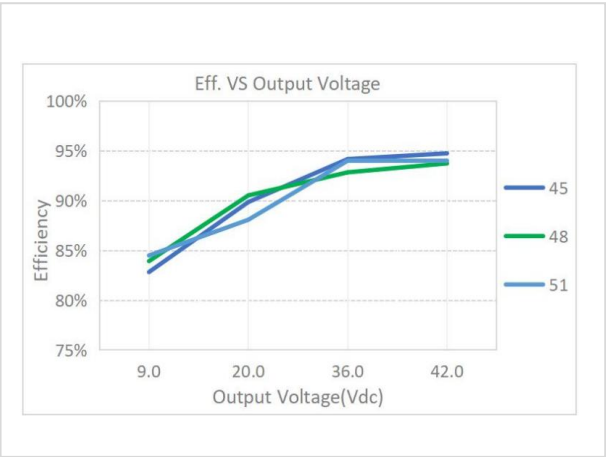
Testing Remarks	<div>1. Please disconnect input AC power supply before adjusting the output current via the DIP switch; make sure to use the DIP switch on the condition that the driver is unpowered.</div> <div>2. The PC cover, casing and end cap for assembling the LED driver in the light fixture must meet the fire rating of UL94-V0 or above.</div> <div>3. Pay attention to keeping the driver away from water, moisture and ESD during application.</div> <div>4. In order to avoid any abnormalities during driver’s application, pay attention that the PCB be insulated from the metal parts of casing.</div>
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■ Product Characteristic Curves

Output Current & Voltage Curve



Efficiency Curve



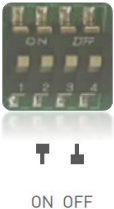
■ Product Terminal & DIP Switch Definitions

Product Terminals

INPUT		OUTPUT	
48VIN	DC input terminal (positive and negative electrodes not identified)	LED+	Positive electrode output of LED driver
48VIN	DC input terminal (positive and negative electrodes not identified)	LED-	Negative electrode output of LED driver

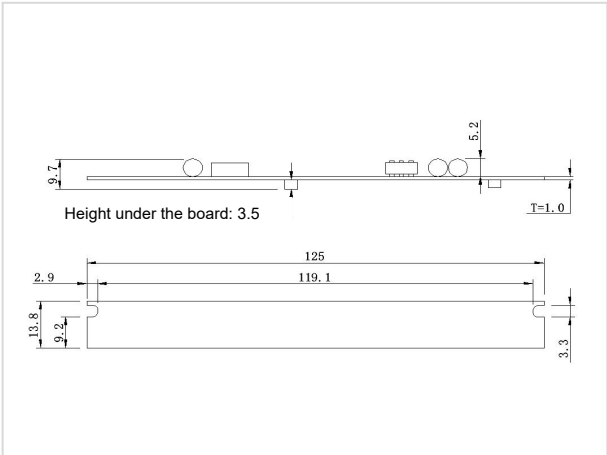
■ Product DIP Switch Definitions

Product DIP Switch (current adjustable via built-in DIP switch)

Current Adjustment Reference Table					
Output Current	1	2	3	4	DIP Switch Diagram
350mA	OFF	OFF	OFF	OFF	
400mA	OFF	OFF	OFF	ON	
450mA	OFF	OFF	ON	OFF	
500mA	OFF	OFF	ON	ON	
550mA	OFF	ON	ON	OFF	
600mA	OFF	ON	ON	ON	
650mA	ON	ON	ON	OFF	
700mA	ON	ON	ON	ON	

■ Structure & Dimensions (unit: mm)

Appearance dimension



■ Packaging Specifications

Model	LF-BAN028-0700-42
Carton Size	385*285*210 mm (L*W*H)
Quantity	20 pcs/layer; 11 layers/ctn; 220 pcs/ctn
Weight	0.01 kg/pc; 3 kg/ctn

■ Transportation and Storage

1. Transportation

- Suitable transportation means: vehicles, boats and aeroplanes.
- In transit, it is necessary to prepare awnings for rain or sun protection. Moreover, please keep civilized loading and unloading to prevent the vibration or impact of LED driver as much as possible.

2. Storage

- The storage of LED driver shall conform to the standard of Class I environment. When using LED drivers which have been stored for more than 6 months, please re-test them firstly. Do not use them unless they are tested to be qualified.

Cautions

- Please use Lifud LED driver according to its parameters in the specification, otherwise the LED driver may malfunction.
- Using any incompatible light fixtures or those that have not been certified may cause fire, explosion or other risks.
- Man-made damage is beyond the scope of Lifud warranty service.

Remark: Lifud Tecnology Co., Ltd. reserves the right to interpret any contents of this specification.