Product Description

LF-GOE075YF/YE(E) is a 75W LED driver owning 2 versions: 0-10V/PWM/Rx dimmable version LF-GOE075YF(E) & non-dimmable version LF-GOE075YE(E). Its rated input voltage ranges from 220 to 240Vac; voltage limit: 180-264Vac. This driver features new casing design and is suitable for street light, tunnel light and various lighting projects. Besides, it has all-round protections, including surge protection, over voltage protection, short circuit protection and over temperature protection, which greatly improves the product stability. There is a potentiometer on the side that helps to adjust the output current (power) of the driver.

Features

- High efficiency up to 90%
- Output current adjustable via potentiometer
- 0-10V/PWM/Rx dimmable (YF)
- Surge protection: L-N 6kV, L/N-GND 10kV
- All-round protections: over temperature protection, over voltage protection, short circuit protection + IP67
- 5-year warranty (please refer to the warranty description)

Applications

- Street light
- Tunnel light

Product Naming

LF - GOE 075 YF/YE (E)

- (E): EU-standard version
- YE: non-dimmable
- YF: 0-10V/PWM/Rx dimmable
- 075: rated power: 75W
- GOE: street light LED driver

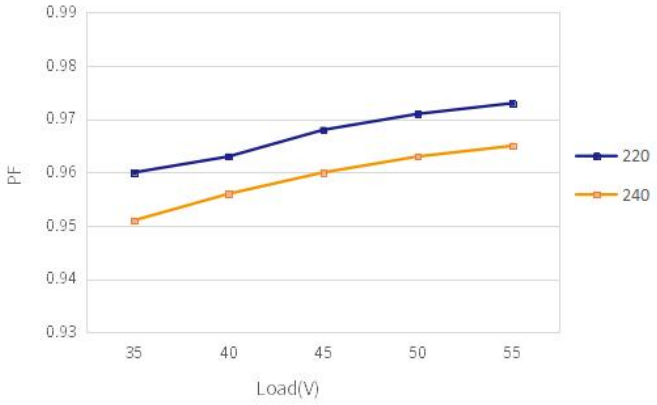
Electrical Characteristics

Full Model Number		LF-GOE075YF(E)	LF-GOE075YE(E)
Output	Output Voltage	30-54Vdc (LED)	
		27-54Vdc (LED) for CCC certified only	
	Output Current	1200mA-2100mA (the potentiometer is beside the mark of IO ADJ)	
	Output Power	75W max @220~240Vac	
	Linear Adjustment Rate	±5% @full load	
	Load Adjustment Rate	±8% @full load	
	Temperature Drift	±5% @Ta-40℃~+60℃	
	Start-up Time	<0.5S@230Vac	
Input	Input Voltage	220~240Vac (voltage limit: 180-264Vac), 311~339Vdc	
	Input Current	1A max.	
	Power Factor	≥0.95/230Vac @54Vdc 1390mA	
	THD	≤15%/230Vac @54Vdc 1390mA	
	Efficiency	≥90%/230Vac @54Vdc 1390mA	
	In-rush Current	<80A/700uS @230Vac	
Protection Characteristics	Open Circuit Protection	Open-circuit voltage ≤60Vdc	
	Short Circuit Protection	Hiccup mode (auto-recovery)	
Environment Descriptions	Working Temperature	-40℃~+60℃	
	Working Humidity	0-95%RH (no condensation)	
	Storage Temperature/ Humidity	-40℃~+80℃ (six months under class I environment); 0-95%RH (no condensation)	
	Atmospheric Pressure	86~106kPa	

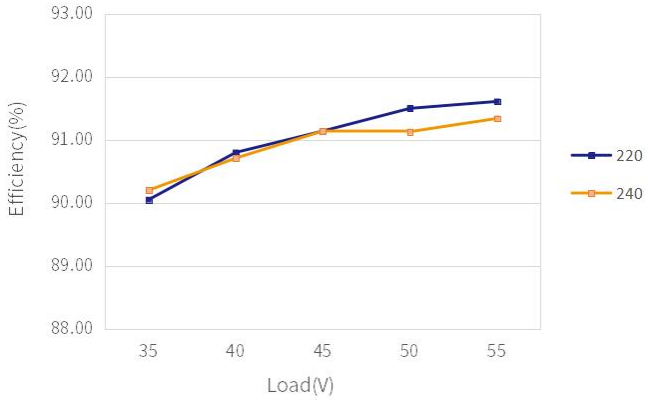
Safety and Electromagnetic Compatibility	Certification	ENEC, CE, CB, RCM, SAA, CCC
	Withstanding Voltage	I/P-O/P: 3.75kVac, <5mA 60S; I/P-FG: 1.6kVac, <5mA 60S; O/P-FG: 0.5kVac, <5mA 60S
	Insulation Resistance	I/P-O/P: 500VDC, >100MΩ
	Safety Standard	EN 61347-2-13: 2014/A1: 2017, EN 61347-1: 2015, EN 62384: 2016 IEC 61347-1: 2015, IE61347-2-3: 2014, IEC 61347-2-13: 2014, GB19510.1-2009, GB19510.14-2009
	EMI	EN55015, CLASS B
	EMS	Complies with IEC61000-4-2, 3, 4, 5 (DM 6kV, CM 10kV), 6, 8, 11, 12; IEC61547
Others	IP Rating	IP67
	RoHS	RoHS 2.0 (EU) 2015/863
	Warranty	5 years (Tc ≤75℃)
Remarks	1. It is recommended that customer should install protection devices for surge, for over voltage and for undervoltage to ensure safety before connecting to electricity. 2. As an accessory, the LED driver is not the only factor determining the EMC performance of the LED light fixture. The structure and the wiring of the light fixture are also relevant. Thus it's strongly recommended the LED light fixture manufacturer re-confirms the EMC of the whole LED light fixture. 3. It is suggested that user use slotted screwdriver or Philips to adjust the output current of LED driver in case that the potentiometer is damaged. (the screwdriver should have good insulation at the head, body and handle, and the screwdriver with a 2mm head is well-advised as well. What's more, please pay attention that the intensity of torque not exceed 0.5KN.m). 4. The total output power of the light fixture should NOT exceed the maximum rated output power of the driver. ⚠ 5. When using the version complying with ErP2019, please pay attention that only the dimmer or the dimming system that cannot be dimmed to off be available so as to ensure that the LED driver does not enter the standby mode.	

Characteristic Curves

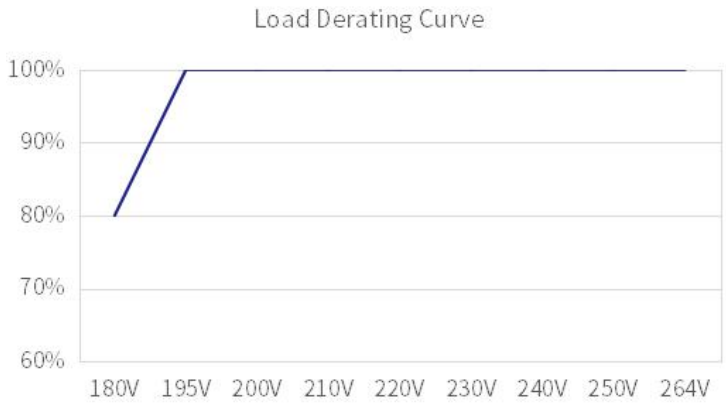
PF Curve



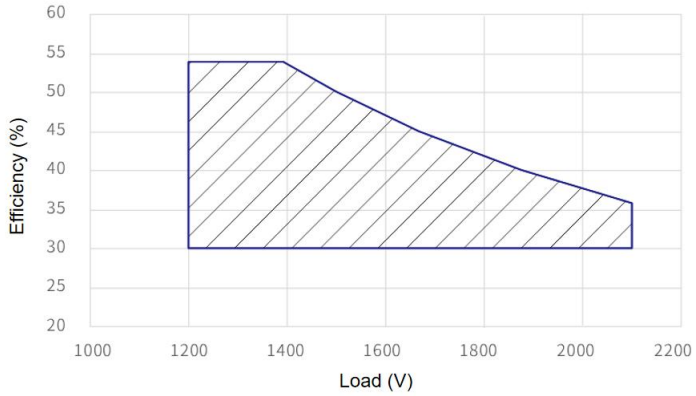
Efficiency Curve



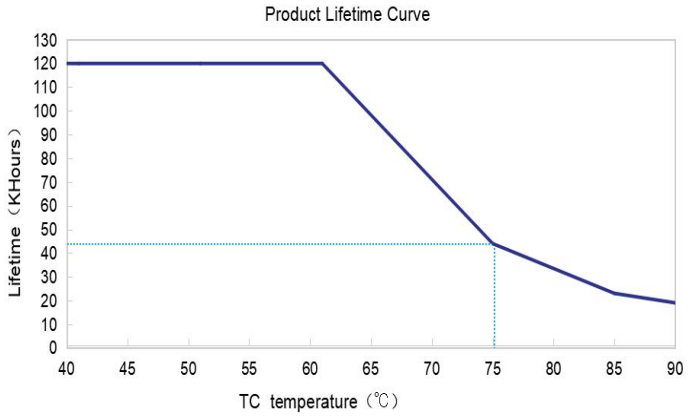
Load Derating Curve



Power Curve

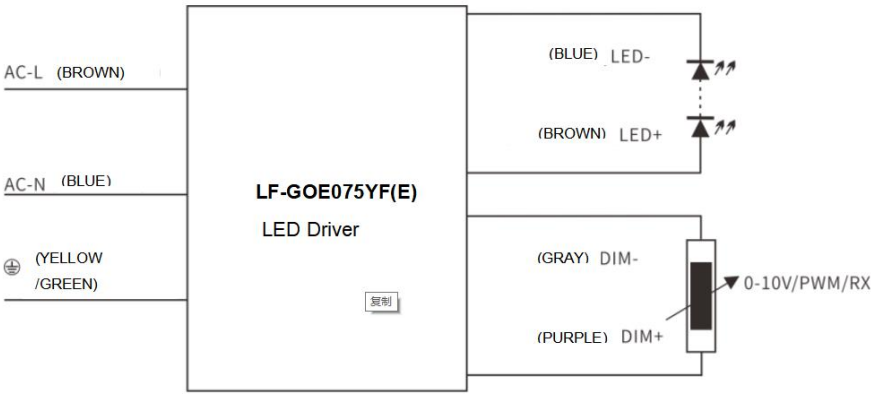


Lifetime Curve



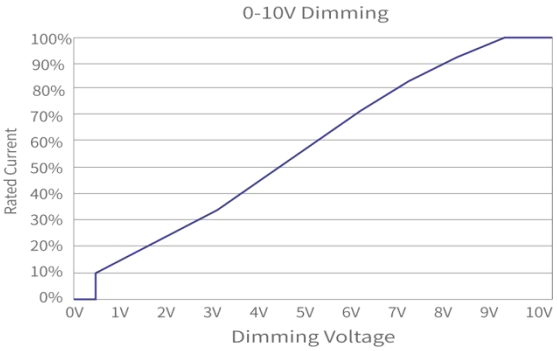
Dimming Instructions

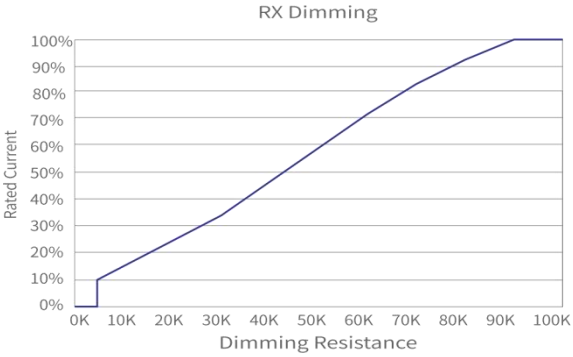
Dimming Diagram



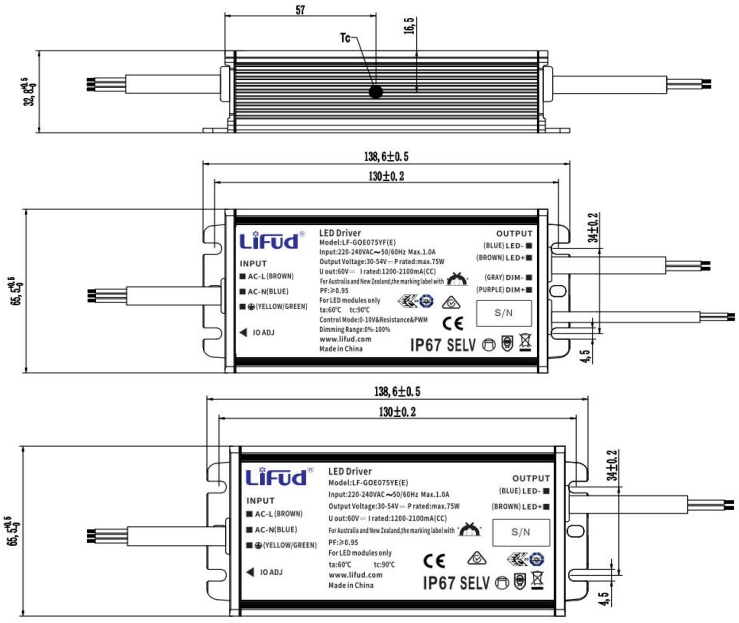
0-10V, PWM & RX Dimming Operations

- Connect the 0-10V, PWM or Rx signal to the DIM terminal.
- In 0-10V dimming mode, when the input voltage is less than 0.3V, the light turns off; when it's more than 0.5V, the light turns on.
- Minimum dimming depth of 0.5-10V: 10%
- PWM dimming depth: 10% (typical value)
- PWM signal requirement : 400-3000 (Hz); amplitude: 10(V)
- Rx range: 0-100KΩ
- DIM+/- (no signal connection): 100% rated current





Structure & Dimensions (unit: mm)



Input Wire			Output Wire			Dimming Wire		
Length (mm)	Peeled (mm)	Tinned (mm)	Length (mm)	Peeled (mm)	Tinned (mm)	Length (mm)	Peeled (mm)	Tinned (mm)
300	40	10	220	36	6	200	40	10

Input wire: 3*1mm² Ø7.2±1mm; dimming wire: 2*22AWG Ø5.0±1mm; output wire: 2*1mm² Ø6.8±1mm

Packaging Specifications

Model	LF-GOE075YF/YE(E)
Carton	400*310*170mm (L*W*H)
Quantity	8 pcs/layer; 2 layers/ctn; 16 pcs/ctn
Weight	0.53±0.1 kg /pc; 9±1.6 kg/ctn

Transportation & Storage

■ Transportation

- Suitable transportation means: vehicles, boats and aircraft.
- During transportation, there should be awnings for rain protection and sun protection. Civilized loading and unloading are required. There should be no severe vibration or impact.

■ Storage

- Storage in accordance with the standard of GB 3873-83. For products which have been stored for more than 1 year, they mustn't be used until they pass the re-inspection.

Attention

- Please use this product according to its specifications otherwise there may be malfunction.
- Use light fixtures that have not been certified or are not compatible with the LED drivers may cause fire or other hazards.
- Man-made damage, any use beyond the specification and non-original-factory modification are not covered by warranty.

Remark: The final interpretation right of the contents of this data sheet belongs to Lifud Technology Co., Ltd.