



General

Product Type	Non-dimmable driver
Length (mm)	315
Width (mm)	31
Height (mm)	21
Housing Color	White
Housing Material	Plastic
Mounting	Surface mounted
Weight (g)	260

Electronics

Input Domain	AC
Input Voltage	220 ~ 240V AC
Input Current max (A)	0.45A @ 230V AC
Output Voltage	48V DC
Output Current Max. (A)	1.56
Output Power Range (W)	0~75
Output Power (W)	75W @ 48V
Power Factor at Full Load	+0.95 @ 230VAC
LED Outputs	1
Efficiency	89%
Leakage current max. (mA)	0.7
Standby Power Loss Max. (W)	0.5
THD (at full load)	15%
Input Frequency	50 ~ 60Hz
Inrush Current	45A @ 230VAC

Lighting

Color Range	Single Color
-------------	--------------

Control

Control	on-off (non dimmable)
Number of Channels	1

Protection

Overload	Yes
----------	-----

Environmental

Storage Temperature	-40 ~ +80 °C
Operating Temperature	-20 ~ +50 °C
Ingress Protection	IP20

CE IP20 5^{year} warranty

Disclaimer

Due to the technical evolution and improvement of our products, the data provided in this document may be updated on a regular basis, and as such, confirmation of this information is strongly recommended prior to the order process. OneEightyOne is not responsible for any discrepancies in this document following changes in our products. We reserve the right to make technical changes to our products and to change information, at its sole discretion, without notice.



Non-dimmable LED driver (Constant Voltage)

- Independent external LED driver.
- The clamshell design and screwless type for strain-relief.
- High performance, high efficiency, low THD.
- Energy-efficient driver: Efficiency 89%, PF>0.95, THD<15%.
- Innovative thermal management technology intelligently protects the power life.
- Overheat, over voltage, overload, short circuit protection and automatic recovery.
- Isolated LED driver, suitable for indoor light applications of I / II / III type.
- Indoor office lighting, decorative lighting, commercial lighting.
- 5-year warranty.

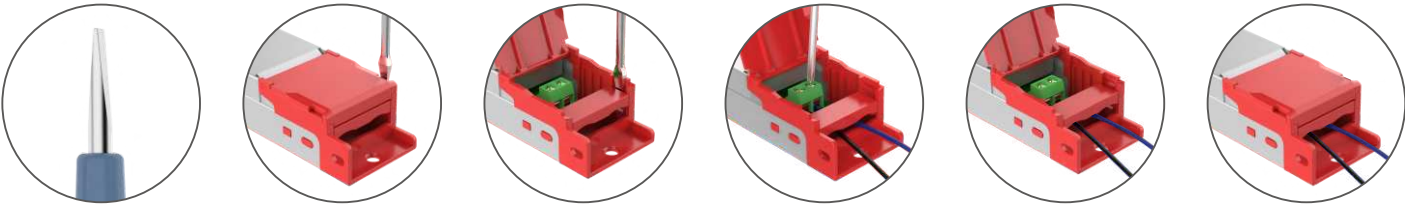
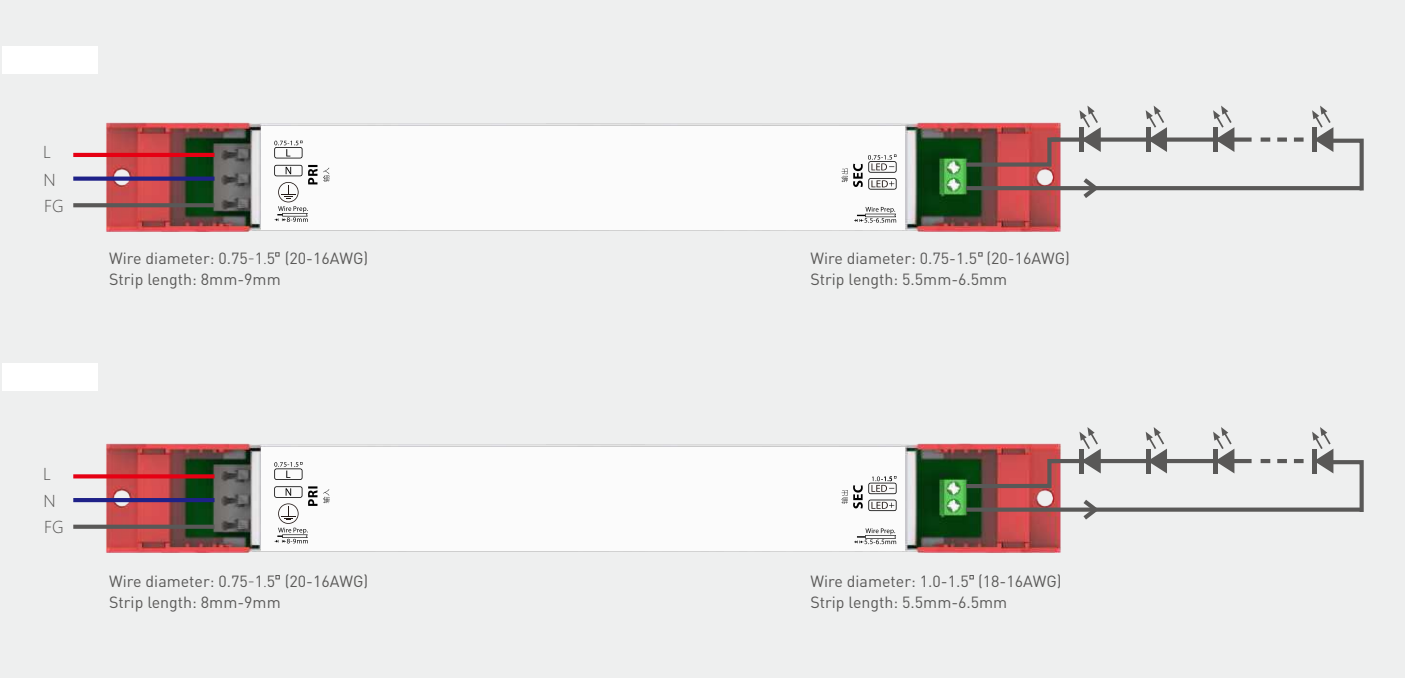
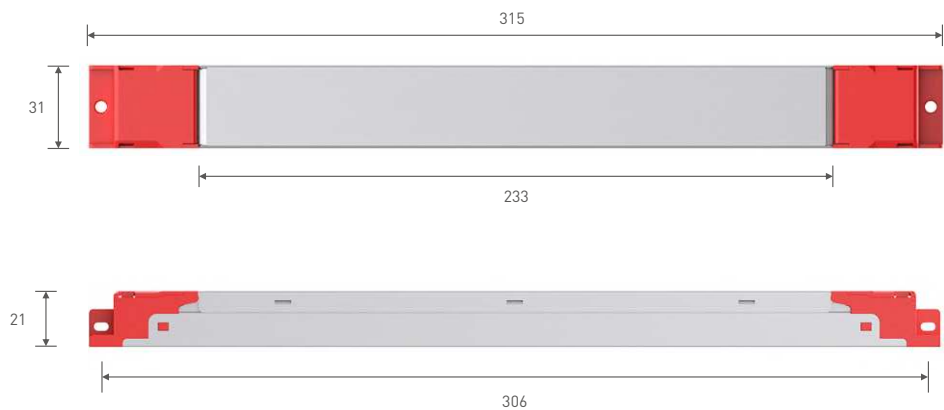


The certification icon represents on-going certification applications only, and final certification qualification is subject to actual products.



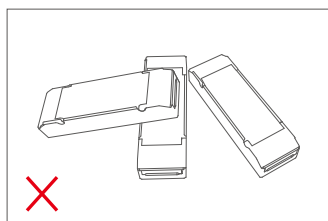
Model		LC-75-48-G1N		LC-75-24-G1N		LC-75-12-G1N	
OUTPUT	Output Voltage	48Vdc (Max)		24Vdc (Max)		12Vdc (Max)	
	Output Voltage Range	48Vdc ± 0.5Vdc		24Vdc ± 0.5Vdc		12Vdc ± 0.5Vdc	
	Output Current	Max 1.56A		Max 3.125A		Max 6.25A	
	Output Power	Max. 75W					
	Output Power Range	0-75W					
	Overload Power Limitation	≥102%					
INPUT	Input Voltage	220-240Vac					
	Frequency	50/60Hz					
	Input Current	0.5A/200Vac; 0.45A/230Vac; 0.4A/264Vac					
	Power Factor	PF>0.95/230Vac (at full load)					
	THD	200Vac@THD < 22%, 230Vac@THD < 15%, 264Vac@THD < 15%					
	Efficiency (typ.)	89%				88%	
	Standby Power Consumption	< 0.5W					
	Inrush Current	Cold start 45A/230Vac (Test twidth =400us under 50% Ipeak)					
	Anti Surge	L-N: 1KV					
	Leakage Current	Max. 0.7mA					
ENVIRONMENT	Working Temperature	ta: -20~50°C tc: 90°C					
	Working Humidity	20-95%RH; non-condensing					
	Storage Temperature, Humidity	-40~80°C, 10-95%RH					
	Temperature Coefficient	±0.03%/°C (-20~50°C)					
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively					
PROTECTION	Overheat Protection	According to the PCB temperature exceeding the standard condition (≥110°C), automatically shut down					
	Overvoltage Protection	Shut down the output when non-load voltage ≥54V, and recover automatically		Shut down the output when non-load voltage ≥28V, and recover automatically		Shut down the output when non-load voltage ≥16V, and recover automatically	
	Overload Protection	Shut down the output when current load>102%, and recover automatically					
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically					
SAFETY & EMC	Withstand Voltage	I/P-O/P: 3750Vac					
	Isolation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH					
	Safety Standards	CCC	China	GB19510.1, GB19510.14			
		TUV	Germany	EN61347-1, EN61347-2-13, EN62493			
		CB	CB member states	IEC61347-1, IEC61347-2-13			
		CE	European Union	EN61347-1, EN61347-2-13, EN62384			
		KC	Korea	KC61347-1, KC61347-2-13			
		EAC	Russia	IEC61347-1, IEC61347-2-13			
		UKCA	Britain	BS EN 61347-2-13:2014+A1:2017 BS EN 61347-1:2015+A1:2021			
		ENEC	Europe	EN61347-1, EN61347-2-13, EN62384			
	EMC Emission	CCC	China	GB/T17743, GB17625.1			
		CE	European Union	EN55015, EN61000-3-2, EN61000-3-3, EN61547			
		KC	Korea	KN15, KN61547			
		EAC	Russia	IEC62493, IEC61547, EH55015			
		UKCA	Britain	BS EN IEC 55015:2019/A11:2020, BS EN 61547:2009, BS EN IEC 61000-3-2:2019, BS EN 61000-3-3:2013/A1:2019			
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547					
OTHERS	Dimensions	315×31×21mm(L×W×H)					
	Package size	318×33×24mm(L×W×H)					
	Gross weight(G.W)	260g±10g					

Unit: mm

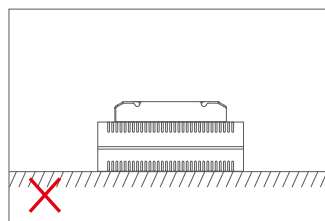
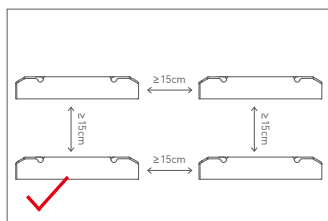


1. Prepare a screwdriver with a 0.6mm bit.
2. Pry up the protective housing in the side plate position with a tool.
3. Pry up the side edge of the tension plate with a tool to remove it.
4. Use a screwdriver to connect electrical wires as wiring diagram shows.
5. Press down the tension plate to fix the electrical wires.
6. Close the protective housing.

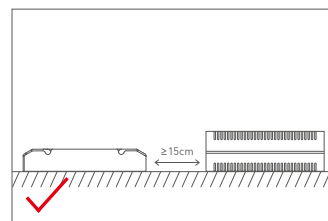
Installation Precautions



Please do not stack the products. The distance between two products should be $\geq 15\text{cm}$ so as not to affect heat dissipation and the lifespan of the products.

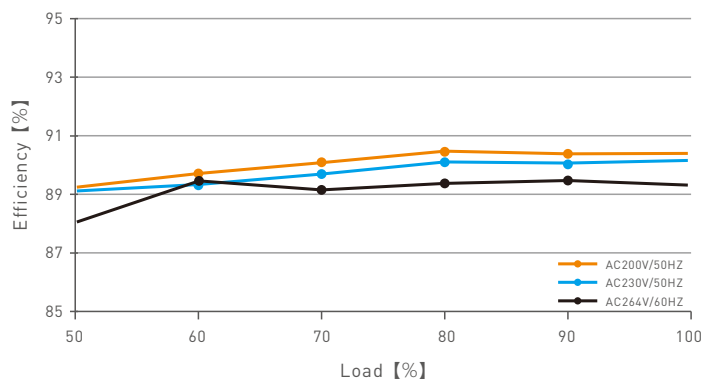


Please not place the products on LED drivers. The distance between the product and the driver should be $\geq 15\text{cm}$ so as not to affect heat dissipation and shorten the lifespan of the products.

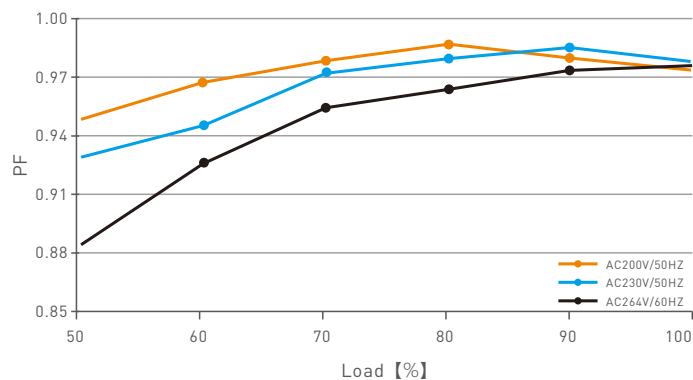


LC-75-48-G1N

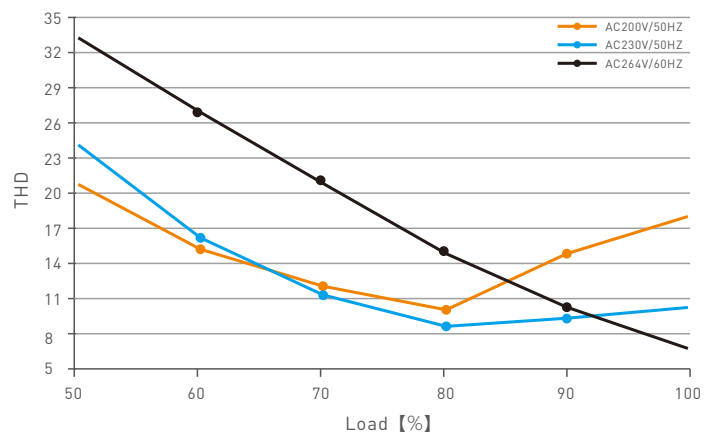
Efficiency vs Load



Power Factor Characteristic

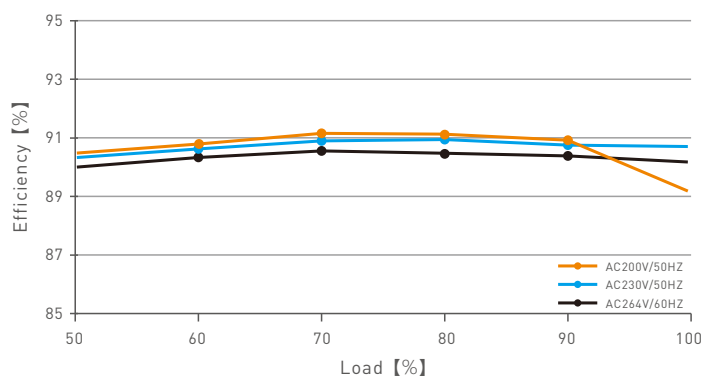


THD VS Load

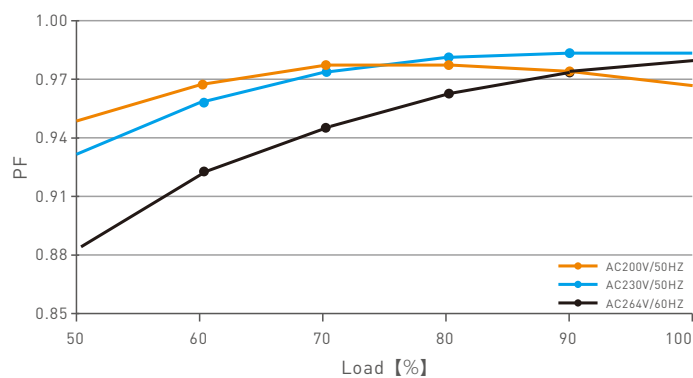


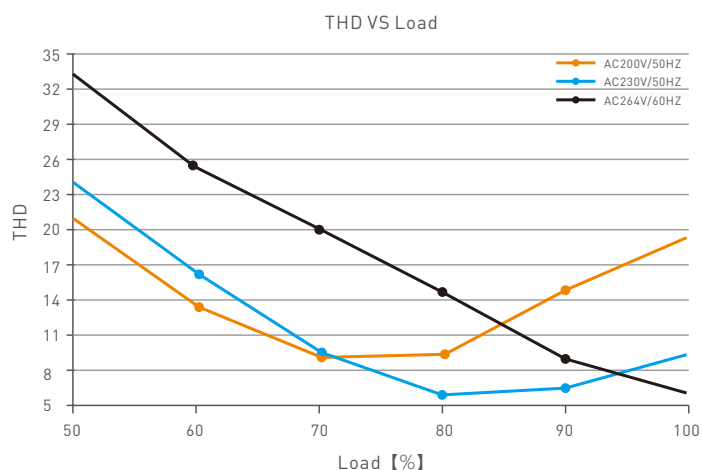
LC-75-24-G1N

Efficiency vs Load

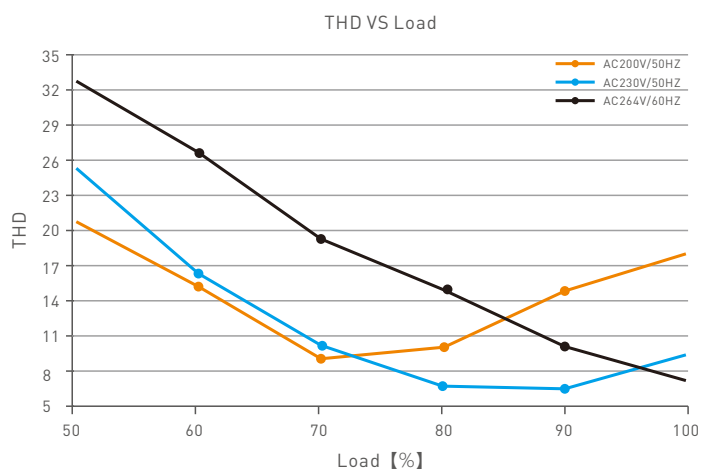
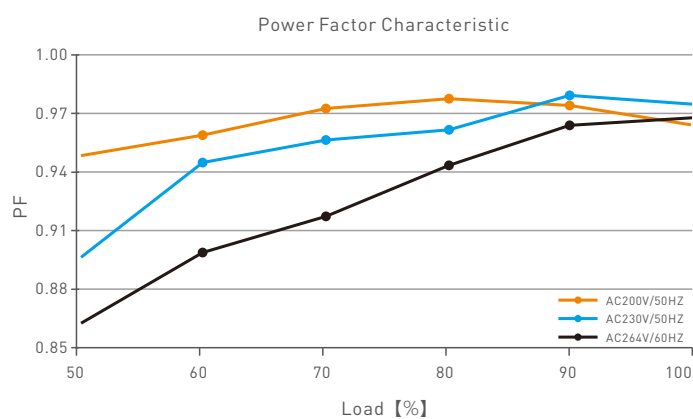
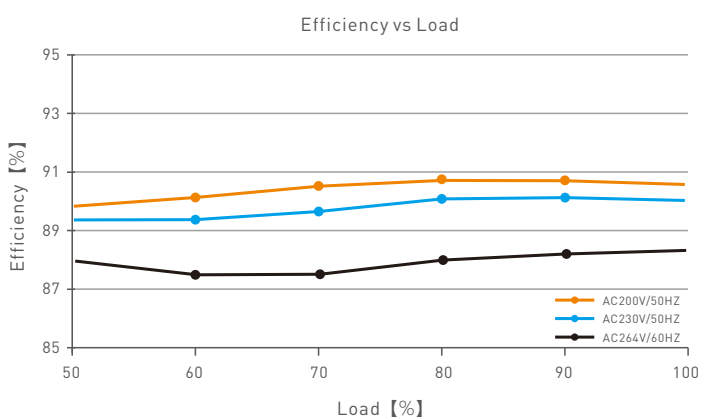


Power Factor Characteristic





LC-75-12-G1N



- Products shall be installed by qualified professionals.
- LTECH products are non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- Good heat dissipation will extend the working life of products. Please ensure good ventilation.
- Please check if the working voltage used complies with the parameter requirements of products.
- The diameter of wire used must be able to load the light fixtures you connect and ensure the firm wiring.
- Before you power on products, please make sure all the wiring is correct in case of incorrect connection that causes damage to light fixtures.
- If a fault occurs, please do not attempt to fix products by yourself. If you have any question, please contact your suppliers.

* This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

- Warranty periods from the date of delivery: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.

1. Repair or replacement provided is the only remedy for customers. LTECH is not liable for any incidental or consequential damage unless it is within the law.
2. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.

Update Log

Version	Updated Time	Update Content	Updated by
A1	2021.12.10	Update product silk screen	Liu Weili