Intelligent LED Driver 2021

Lifud Technology Co., Ltd.

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Contact Your Local Distributor



LiFud®
Technology | Quality | Service

Development Concept

Simple Installation
Simple Usage
Simple Maintenance

Smooth Dimming
Exceptional Dimming Accuracy (3%)
Ultimate Dimming Depth (0.1%)



Company Profile

$8080K
Registered Capital

13yrs
History

100+
Senior Technicians

66666㎡
Industrial Park

4000+
Customers

150M
Driver exported/pcs

Lifud Technology Co., Ltd. has always aspired to become a “leading supplier of LED driver and intelligent system solution”.
Since 2007 when Lifud was established, Lifud team has been sticking to the value concept of "Integrity, responsibility and dedication". With unceasing technology innovation, we take it as our mission to improve human living environment and living quality with energy-saving, healthy and environmental friendly products, so as to achieve our vision of making energy more efficient and cleaner.
With headquarters locating in Shenzhen, Lifud is Shenzhen high-tech enterprise and national high-tech enterprise. We have more than 100 senior technicians and product developers, and set up cooperation project with universities such as Fuzhou University, Southwest Jiaotong University and etc. Lifud also built its own UL and DALI authorized laboratories, as well as a 66 thousand square meters industrial park, which can meet self-development need and provide a full range of supporting service for our customers.
In the past 13 years, Lifud has created value for near 4000 partners with leading technology, high quality product and considerate service.
Lifud is IS09001:2015 quality management system certified, ISO14001 : 2015 environment management system certified and intellectual property management system certified. Lifud also won the honors, including Sichuan Famous Brand, Guangdong Famous Brand, TOP 10 International Competitiveness of Chinese LED Power Supply Enterprise, Gold Award of the Sixth LED Innovation Conference, LpS Digital Exhibition Best Product Award 2020 and etc. Lifud will spare no efforts to achieve win-win cooperation with customers and develop to be a world-class OBM enterprise.



Technology

Adhere to technological innovation for developing competitive product

- Cooperate with universities to work on frontier research projects in electronic technology.
- Independently designed two-in-one master chip, DDM01 dimming chip, etc.
- Established the second R&D center in Chengdu to specialize in intelligent system technology.
- Theoretical research + application innovation + supply chain integration, this combination continually supports technology innovation.
- Invested millions of CNY for new devices to build environment /safety-standard /EMC/Intelligent system testing lab.
- Patented magnetic integration technology, Lifud's revolutionary innovation and won LpS Digital Exhibition Best Product Award 2020.

Quality

Meticulous design+strict management, target of 500PPM

- Using AOI (Automated Optical Inspection)and high-precision fixed-point-welding equipment. Using ATE (Automatic Test Equipment).
- 5 design reviews, BCA, PD, EVT, DVT & PVT.
- All core components are provided by well-known brands.
- 4 procedures for VM team to examine incoming materials.
- Test under extreme environment and verify the long-term lifetime of products.

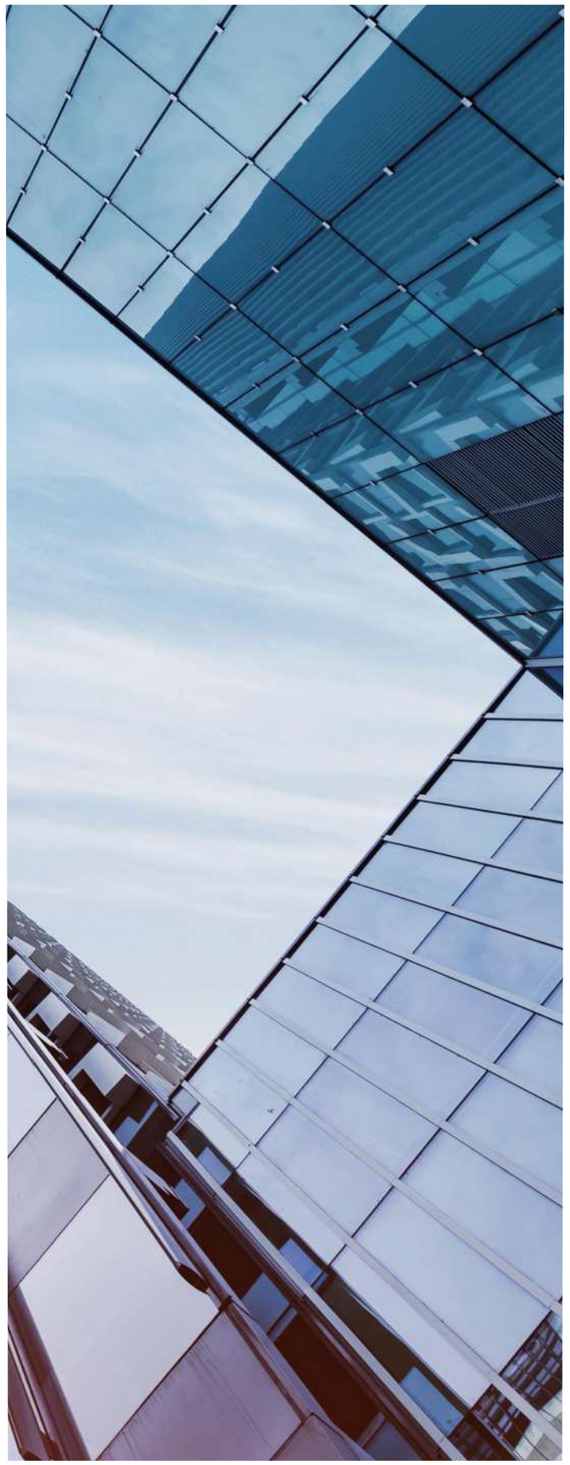




Service

Customized service to achieve 100% satisfaction

- Brought in the SRD consultant team to improve the customer service system.
- Provide with professional and customized service to VIP customers.
- Established South China warehouse center to shorten lead time.
- Work with customers on business public relations and help them to obtain orders.
- Implement a service performance evaluation mechanism, strengthen service quality and continuously improve customer satisfaction.



LIFUD Philosophy

Vision

Make energy more efficient and cleaner

Mission

Committed to technological innovation, improving human living environment and the quality of life

Core Value

Integrity, responsibility, dedication

Quality Policy

Create value for customers with excellent quality, continuous innovation and perfect service

Cooperation Concept

One should treat others as one would like to be treated



LIFUD History

2007
Shenzhen Ledfriend Optoelectronics Co.,Ltd. was established.

2008
Moved to a 1400 sqm factory in Longhua. Fully managed R&D, production and sales.

2009
The pioneered non-isolated tube driver led the LED industry. Sales volume exceeded $1.5 million.

2010
The factory obtained ISO9001 Quality Management System Certification. Moved to an industrial park of 5600 sqm in Guangming.

2011
Obtained 8 patents. Established an office in the East of China. Sales volume exceeded $15.8 million.

2012
Built a 67 thousand sqm Lifud industrial park in Sichuan

2013
Lifud industrial park in Sichuan began producing. Offices in Suzhou,Ningbo and Zhongshan were established.

2014
The entire production line was moved to Sichuan. Sales volume exceeded $31.3 million.

2015
Signed the first oversea distribution agreement. Pioneered rectangular metal driver for US-standard panel light.

2016
Moved to a garden-style office named Taihua Wutong Island. Authorized as a UL/WTDP laboratory.

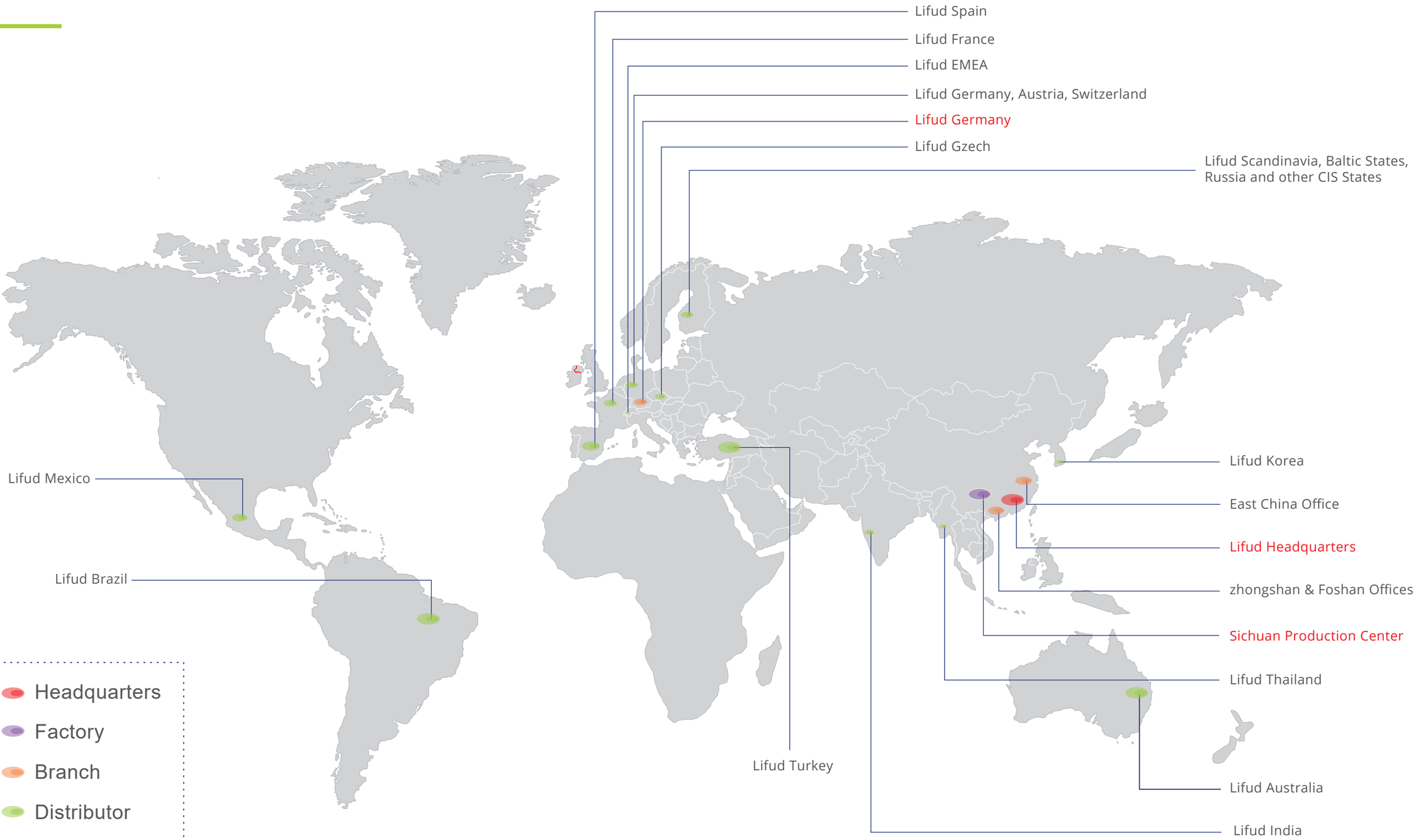
2017
Pioneered round non-isolated LED power supply for high bay light which led the non-isolated trend among high power lighting field.

2018
Reformed to a shareholding system. Renamed as Lifud Technology Co., Ltd. Established a subsidiary in Germany. Sales volume exceeded $59 million.

2019
Expanded to five product lines, including commercial lighting driver, high-power lighting driver, constant voltage driver, intelligent lighting system solution and LED display power supply.

2020
Won LpS Best Product Award; established three divisions for intelligent, high power and general LED driver

Global Sales Network



Application



Chengdu Metro Line 5



Wuxi Metro Line 1



Beijing Friendship Hotel



Huabin International Hotel



Shenzhen Longgang Foreign Language School

Product Overview

DALI Series

DT8 Constant Voltage & Tunable White Dimming Series

28P LF-GSD040YVxxA 40W 12/24V
28P LF-GSD075YVxxA 75W 12/24V
28P LF-GSD150YVxxA 150W 12/24V
28P LF-GSD200YVxxA 200W 12/24V

DT8 Constant Current & Tunable White Dimming Series

18P LF-GSD012YK 12W (100-350mA)
18P LF-GSD020YK 20W (350-700mA)
19P LF-GSD020YG 20W (250-500mA)
19P LF-GSD040YG 40W (550-1050mA)
19P LF-GSD050YG 50W (900-1200mA)

DT6 Constant Current Dimming Series

20P LF-GSD008PF 8W (100-700mA)
20P LF-GSD012PF 12W (150-400mA)
20P LF-GSD020PF 20W (250-500mA)
20P LF-GSD030PF 30W (400-750mA)
20P LF-GSD040PF 40W (550-1050mA)
21P LF-GSD020YC 20W (250-500mA)
21P LF-GSD040YC 40W (550-1050mA)
21P LF-GSD060YC 60W (1100-1500mA)
22P LF-GSD015YE 15W (100-350mA)
22P LF-GSD020YE 20W (200-500mA)
22P LF-GSD040YE 40W(800-1050mA)
22P LF-GSD060YE 60W(1100-1500mA)
22P LF-GSD080YE 80W(1550-2000mA)
23P LF-GSD045YB 45W(800-1050mA)
26P IP67 LF-GOE110YH 110W(1.5-3A)
26P IP67 LF-GOE150YH 150W(1.8-4.2A)
26P IP67 LF-GOE200YH 200W(3.5-5.5A)
26P IP67 LF-GOE200YH 240W(3.5-6.7A)

DT6 Constant Voltage Dimming Series

27P LF-GSD040YVxxB 40W 12/24V
27P LF-GSD075YVxxB 75W 12/24V
27P LF-GSD150YVxxB 150W 12/24V
27P LF-GSD200YVxxB 200W 12/24V

DALI Converter

24P LF-SCD010A
24P LF-SCD010B
24P LF-SCD010C

DALI Bus Power Supply

25P LF-GSD005YD

Triac Series

Triac Constant Current & EU Standard Series

31P LF-GDE003YG 3W(150-350mA)
31P LF-GDE008YG(L) 8W(300 350mA)
31P LF-GDE008YG(H) 8W(135-200mA)
31P LF-GDE014YG 14W(250-350mA)
31P LF-GDE020YG 20W(400-550mA)
31P LF-GDE030YG 30W(600-700mA)

Triac Constant Current & US Standard Series

32P LF-GDE012YD 12W(200-300mA)
32P LF-GDE024YD 24W(350-600mA)
32P LF-GDE030YD 30W(650-750mA)

0-10V Series

Constant Voltage Dimming Series

35P LF-GDE040YV 40W 12/24V
35P LF-GDE75YV 75W 12/24V
35P LF-GDE150YV 150W 12/24V
35P LF-GDE200YV 200W 12/24V

Constant Current Dimming Series

36P LF-GDE008YK 8W (100-400mA)
36P LF-GDE012YK 12W(150-300mA)
36P LF-GDE020YK 20W(300-500mA)
36P LF-GDE030YK 30W(550-700mA)
36P LF-GDE040YK 40W(750-1050mA)
37P LF-GLD025YE 25W(250-550mA)
37P LF-GLD035YE 35W(700-800mA)
37P LF-GLD045YE 45W(850-1100mA)
37P LF-GLD055YE 55W(1100-1300mA)
37P LF-GLD065YE 65W(1300-1500mA)
37P LF-GLD080YE 80W(1.9-2A)
38P IP65 LF-FHB120YD/J III 120W(0.3-0.5A)
38P IP65 LF-FHB150YD/JIII 150W(0.5-0.75A)
38P IP65 LF-FHB200YD/JIII 200W(0.7-1.0A)
38P IP65 LF-FHB240YD/JIII 240W(0.7-1.0A)
38P IP65 LF-FHB260YD/JIII 260W(0.85-1.2A)
39P IP65 LF-FHB100YA/CIII 100W(0.25-0.4A)
39P IP65 LF-FHB120YA/CIII 120W(0.3-0.5A)
39P IP65 LF-FHB150YA/CIII 150W(0.5-0.75A)
39P IP65 LF-FHB200YA/CIII 200W(0.7-1.0A)
39P IP65 LF-FHB240YA/CIII 240W(0.85-1.2A)
40P IP67 LF-GOE110YF 110W(1.5-3A)
40P IP67 LF-GOE150YF 150W(1.8-4.2A)
40P IP67 LF-GOE200YF 200W(3.0-5.5A)
40P IP67 LF-GOE240YF 240W(3.5-6.7A)
41P IP67 LF-GOE110YJ/K 110W(1.5-3A)
41P IP67 LF-GOE150YJ/K 150W (1.8-4.2A)
41P IP67 LF-GOE200YJ/K 200W(3.0-5.5A)
41P IP67 LF-GOE240YJ/K 240W(3.5-6.7A)
42P IP67 LF-GOE030YF 30W(0.35-0.85A)
42P IP67 LF-GOE050YF 50W(0.6-1.4A)
42P IP67 LF-GOE060YF 60W(1.1-1.7A)
42P IP67 LF-GOE075YF 75W(1.35-2.1A)
43P IP67 LF-GOE025YE/F(E) 25W(0.35-0.52A)
43P IP67 LF-GOE040YE/F(E) 40W(0.35-1.2A)
43P IP67 LF-GOE060YE/F(E) 60W(0.6-1.7A)
43P IP67 LF-GOE075YE/F(E) 75W(1.2-2.1A)
43P IP67 LF-GOE100YE/F(E) 100W(1.6-2.8A)

Emergency Series

Emergency Driver

46P LF-GSP020YD 20W(350-500mA)
46P LF-GSP040YD 40W(700-1000mA)

Constant Power (independent battery)

47P LF-GSP012YH 5/7/10/12W

Constant Power (internal battery)

49P LF-GSP007YG 5/7W
48P LF-GSP012YG 10/12W



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LEADING SUPPLIER OF
LED DRIVER & INTELLIGENT
SYSTEM SOLUTION

Statement: the appearance, color and parameters of the products listed in this catalogue are for reference only. The product in kind and the parameters in data sheet issued by Lifud shall prevail. Lifud Technology Co., Ltd. reserves all rights to modify or cancel the information and related parameters in this catalogue without prior notice.

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AC100-277V: LF-GOExxxYJ/K*110-240W 41
AC100-277V: LF-GOExxxYF*30-75W 42
AC220-240V: LF-GOExxxYF(E)*25-100W 43

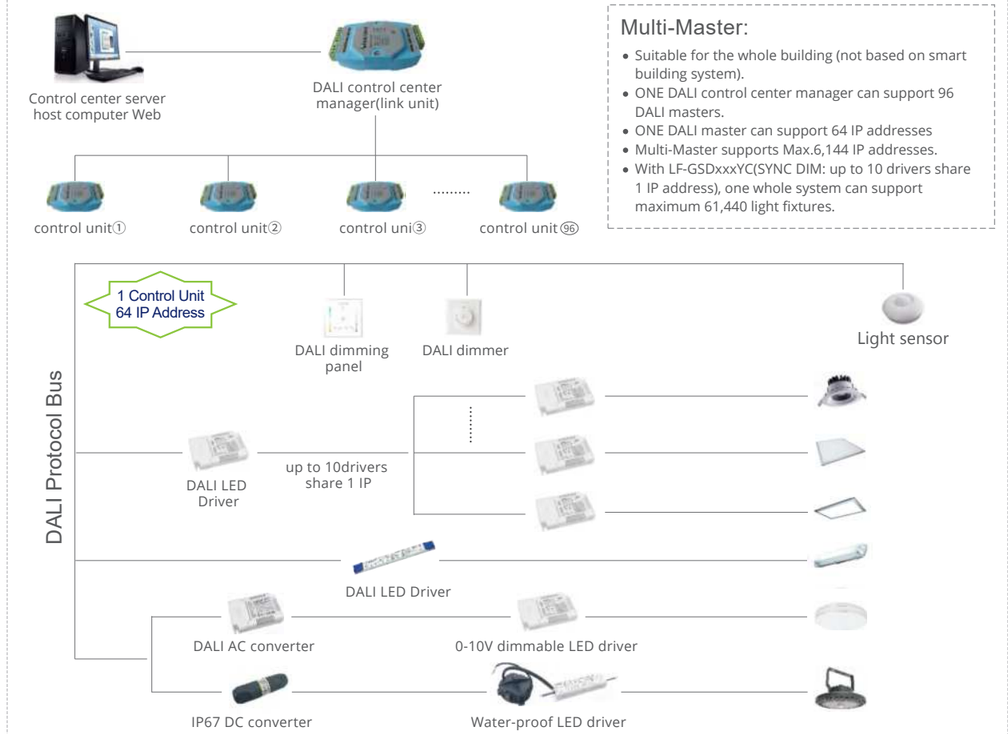
Emergency

AC100-277V: LF-GSPxxxYD*14-40W 46
AC100-277V: LF-GSP012YH*5/7/10/12W 47
AC100-277V: LF-GSPxxxYG*5/7/10/12W 48

DALI

Intelligent Lighting System

DALI Control System·Regional Scene



Multi-Master:

- Suitable for the whole building (not based on smart building system).
- ONE DALI control center manager can support 96 DALI masters.
- ONE DALI master can support 64 IP addresses
- Multi-Master supports Max.6,144 IP addresses.
- With LF-GSDxxxYC(SYNC DIM: up to 10 drivers share 1 IP address), one whole system can support maximum 61,440 light fixtures.

Digital | **A**ddressable | **L**ighting | **I**nterface

Brief introduction:

DALI is a dedicated data transmission protocol for digital lighting control, defining the digital communication method between lighting appliances (power supply of light fixtures) and system control devices (such as lighting controller and light sensor)

System:

Up to 64 addressable (luminaires) drivers on one DALI bus (independent address)
Up to 16 lighting groups (grouping address)
Up to 16 lighting scenes (pre-set scene)

Intelligent Lighting System

DALI Product List

Product Name	Picture	Model	Specifications	Certificate	L*W*H (mm)
DALI System PC Software (DALI control center)		LF-SCD000B	DALI large-scale control center PC software package		
DALI Control Center Manager (link unit)		LF-SCD001B	1. Integrated control: 96 masters*64 nodes/lamps 2. It works with the LF-SCD000B 3. DALI system,network's max.wire length 1200m	Conform to CE	117*72*26
DALI Control Center Master (control unit)		LF-SCD002B	DALI Master with LF-SCD000B, DALI system, max.96 pcs of control center master in parallel(N≤96)	Conform to CE	117*72*26
DALI Master (single version)		LF-SCD000A	1. Single version, 1 master can control 64 lamps/devices 2. Field management software is for free (non-joint control)	Conform to CE	100*70*35
DALI Master (WIFI version)		LF-SCD000C	1. Single version, supporting 64 individualaddresses(64 pcs LED lights) 2. WIFI joint control(via PAD or mobile) 3. DALI field management software is for free	Conform to CE	122*70*35
DALI Bus Power Supply		LF-GSD005YD	Power on all devices on DALI bus AC100-240V,DC16V±5%	Conform to CE	116*36*67
Light Sensor (human motion detection+ light measurement sensor)		LF-SCD050A	2 in 1 sensor(light induction+human motion detection), surface mounted installation, self-defined DALI protocol, powered by DALI bus	Conform to CE	Φ90*38
DALI Dimmer (rotary)		LF-SCD020B	Realize the on/off and dimming functions of 0-63 individual addresses, 0-15 group addresses, 0-15 scenes and broadcast via a DIP switch	Conform to CE	86*86*34
DALI Dimming Panel (touch screen)		LF-SCD030A	Single lamp, group, scene, broadcast address can be turned on/off or be dimmed. It can be set by the DIP on the switch. TFT display screen, powered by DC24V	Conform to CE	86*86*34
Waterproof DALI Converter		LF-SCD010B/C	Convert the light fixtures (highbay light, tri-proof light, street light and etc.) with 0-10V or PWM dimming functions to DALI dimmable light fixtures; Version B: DC power supply; Version C: DALI bus power supply	Conform to CE	111*30
DALI Signal Converter		LF-SCD010A	AC100-277V DC0-10V 20mA, convert DALI signal to 0-10V or PWM dimming signal, equip conventional dimmable driver with DALI dimming function	Conform to CE	103.8*67.8*25.4

DT8 Tunable White Series

LF-GSDxxxYK* 12-20W



Feature

- DALI + Push dimming
- Output current adjustable via the DIP switch (50mA a step)
- Smooth dimming, optional logarithmic or linear dimming curve
- Flicker free
- CCT range: 2000-7000K
- Dimming depth ≤0.1%
- Suitable for Class Ⅱ light fixtures

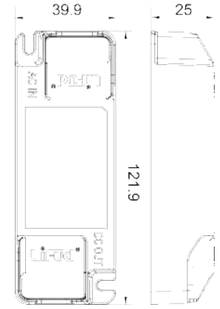
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GSD012YK	12W	9-42	100-350	83%(230Vac)	0.90(230Vac)	≤86℃	＜3%
LF-GSD020YK	20W	9-42	350-700	85%(230Vac)	0.95(230Vac)	≤83℃	＜3%

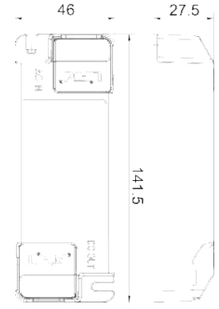
Specification

Item	Parameter
• Operating Voltage	220-240Va; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Ta	-30℃ ~ +45℃
• Tc	90℃
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GSD012YK



LF-GSD020YK

DT8 Tunable White Series

LF-GSDxxxYG* 11-50W



Feature

- DALI + Push dimming
- Output current adjustable via the DIP switch (50mA a step)
- Smooth dimming, optional logarithmic or linear dimming curve
- Flicker free
- CCT range: 2000-7000K
- Dimming depth ≤1%
- Suitable for Class II light fixtures

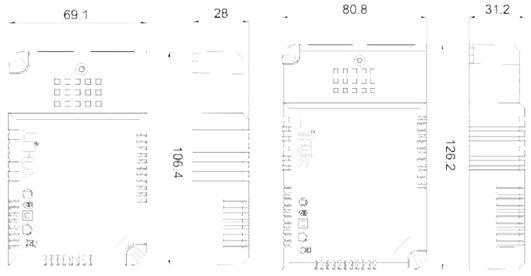
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GSD020YG	20W	20-42	250-500	85%(230Vac)	0.93(230Vac)	≤84°C	<3%
LF-GSD040YG	40W	20-42	550-1050	87%(230Vac)	0.95(230Vac)	≤77°C	<3%
LF-GSD050YG	50W	20-42	900-1200	89% 230Vac)	0.95(230Vac)	≤78°C	<3%

Specification

Item	Parameter
• Operating Voltage	220-240Vac; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Ta	-30°C ~ +45°C
• Tc	90°C
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GSD020YG　　LF-GSD040/050YG

DT6 Dimming Series

LF-GSDxxxPF* 6-40W



Feature

- DALI + Push dimming
- Consistent luminance, current tolerance no more than 3% in different batches
- Output current adjustable via the DIP switch (50mA a step)
- Smooth dimming, optional logarithmic or linear dimming curve
- Flicker free, modulation depth less than 1%
- Dimming depth ≤1%
- Suitable for Class II light fixtures

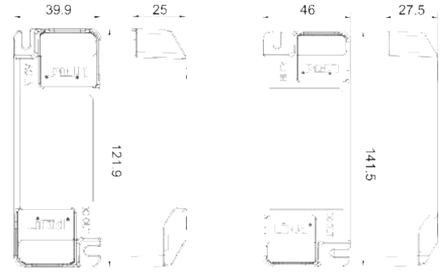
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GSD008PF	8W	20-40	100-350	76%(230Vac)	0.90(230Vac)	≤86°C	<5%
LF-GSD008PF	8W	2-12	350-700	76%(230Vac)	0.90(230Vac)	≤86°C	<5%
LF-GSD012PF	12W	20-42	150-400	82%(230Vac)	0.90(230Vac)	≤86°C	<5%
LF-GSD020PF	20W	20-42	250-500	85%(230Vac)	0.95(230Vac)	≤86°C	<5%
LF-GSD030PF	30W	20-42	400-750	85%(230Vac)	0.95(230Vac)	≤78°C	<5%
LF-GSD040PF	40W	20-42	550-1000	87%(230Vac)	0.95(230Vac)	≤83°C	<5%
LF-GSD040PF	40W	20-38	1050	87%(230Vac)	0.95(230Vac)	≤83°C	<5%

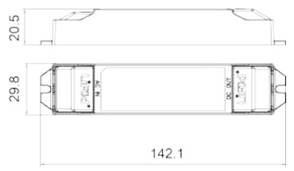
Specification

Item	Parameter
• Operating Voltage	220-240Vac; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Tc	90°C
• Ta	-30°C ~ +45°C
• Protection Characteristics	Open circuit, short circuit
• IP Rating	IP20
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GSD012/20PF　　LF-GSD030/40PF



LF-GSD008PF

5-in-1 Dimming Series

LF-GSDxxxYC* 11-63W

0-10V | FLICKER FREE | Push | DIP



Feature

- Five dimming options: DALI/Push/0-10V/PWM/Rx
- Up to 10 drivers can be dimmed synchronously and share 1 IP address
- Smooth dimming, optional logarithmic or linear dimming curve
- Output current adjustable via the DIP switch (50mA a step)
- Flicker free
- Dimming depth ≤1%
- Suitable for Class I & II light fixtures

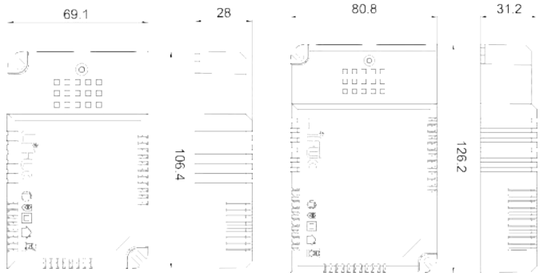
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GSD020YC	20W	25-42	250-500	86%(230Vac)	0.95(230Vac)	≤73°C	<5%
LF-GSD040YC	40W	25-42	550-1050	89%(230Vac)	0.95(230Vac)	≤80°C	<5%
LF-GSD060YC	60W	25-42	1100-1500	89%(230Vac)	0.95(230Vac)	≤83°C	<5%

Specification

Item	Parameter
• Operating Voltage	220-240Vac; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15
• Tc	90°C
• Ta	-30°C~+50°C
• Protection Characteristics	Open circuit, short circuit
• IP Rating	IP20
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GSD020YC　　LF-GSD040/60YC

220-240Vac Dimming Series

LF-GSDxxxYE* 4-84W

FLICKER FREE | Push | DIP



Feature

- DALI + Push dimming
- Smooth dimming, optional logarithmic or linear dimming curve
- Output current adjustable via the DIP switch (50mA a step)
- Flicker free
- Suitable for Class I & II light fixtures

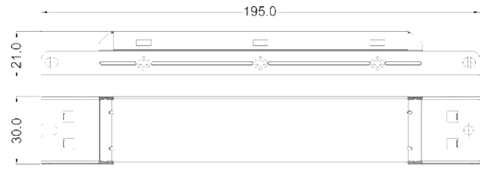
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GSD015YE	15W	25-42	100-350	84.5%(230Vac)	0.90(230Vac)	≤68°C	<5%
LF-GSD020YE	20W	25-42	200-500	87%(230Vac)	0.90(230Vac)	≤73°C	<5%
LF-GSD030YE	30W	25-42	550-750	87%(230Vac)	0.90(230Vac)	≤68°C	<5%
LF-GSD040YE	40W	25-42	800-1050	88%(230Vac)	0.90(230Vac)	≤68°C	<5%
LF-GSD060YE	60W	25-42	1100-1500	88%(230Vac)	0.90(230Vac)	≤77°C	<5%
LF-GSD080YE	80W	25-42	1550-2000	89%(230Vac)	0.90(230Vac)	≤77°C	<5%

Specification

Item	Parameter
• Operating Voltage	220-240Vac; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Ta	-30°C~+50°C
• Tc	90°C
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

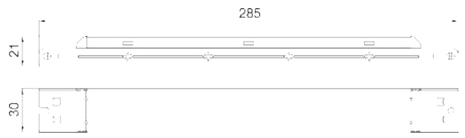
Dimensions



LF-GSD015YE



LF-GSD020/30/40YE



LF-GSD060YE



LF-GSD080YE

100-277Vac Dimming Series

LF-GSDxxxYB* 34-44W



Feature

- DALI & Push dimming function in one
- Smooth dimming, optional logarithmic or linear dimming curve
- Output current adjustable via the DIP switch (50mA a step)
- Up to 10 drivers can be dimmed synchronously and share 1 IP address
- Flicker free
- Suitable for Class Ⅰ & Ⅱ light fixtures

Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (voltage)
LF-GSD045YB	44W	25-42	800-1050	87%(230Vac)	0.95(230Vac)	≤73℃	<5%

Specification

Item	Parameter
• Operating Voltage	100-277Vac
• Ta	-30℃~+50℃
• THD	≤20%
• IP Rating	IP20
• Tc	90℃
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S, I/P-PGND: 1.6kV 5mA 60S

Dimensions



LF-GSD045YB

DALI Converter

LF-SCD010A/B/C



Feature

- DALI2.0 certified (LF-SCD010A)
- Optional power supply: AC, DC or no power supply
- IP67 (LF-SCD010B/C)
- Use cables with the diameter of 5mm to 8mm (LF-SCD010B/C)
- Optional logarithmic or linear dimming curve

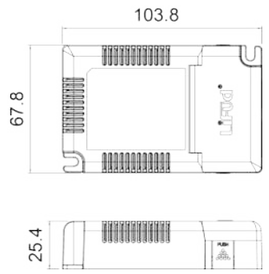
Parameter

Model	Input Dimming Signal	Input Current	Input Voltage	Output Dimming Mode	Output Source Current	Light Fixture Qty
LF-SCD010A	DALI/PUSH	100mA	100-240Vac	0-10V	25mA	1-20
LF-SCD010B	DALI/PUSH	≤50mA	11-13Vdc	0-10V	25mA	1-10
LF-SCD010C	DALI	≤5mA	DALI bus power supply	PWM	5mA	1

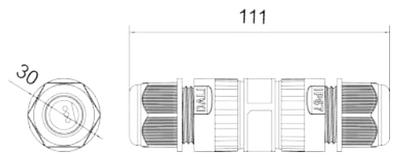
Specification

Item	Parameter
• Warranty (Tc)	≤ 75°C
• Ripple (current)	<50mV@20MHz
• Ta	-30°C~+55°C / -30°C~+60°C
• Protection Characteristics	Open circuit, short circuit
• IP Rating	IP67 / IP20
• Withstanding Voltage	I/P-DALI: 1.5KVac <5mA 60S

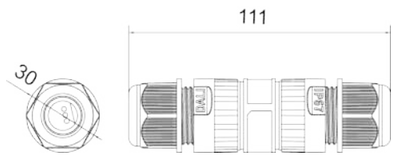
Dimensions



LF-SCD010A



LF-SCD010B



LF-SCD010C

DALI Bus Power Supply

LF-GSD005YD*power supply for all devices connected to the DALI BUS



Feature

- Two installation methods: din-rail mounting or screw fixation
- Equipped with DALI signal indicator
  - Green: Normal operation
  - Flash: There is a dimming instruction in the DALI system
  - Off: Abnormal dimming signal
- Three sets of terminal blocks at both of the input and the output
- Compatible with wires of 0.5-2.5mm

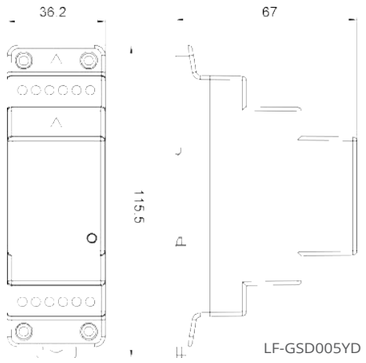
Parameter

Model	Output Voltage (V)	Output Current (mA)	Warranty (TC)	Ripple (voltage)
LF-GSD005YD	16±5%	230±10mA	≤ 80℃	<0.5V@50HZ&220Vac

Specification

Item	Parameter
• Operating Voltage	100-240Vac; 120-288Vdc
• Operating Voltage Limit	90-264Vac; 108-316Vdc
• Ta	-20℃~+50℃
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit, over current, over voltage
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GSD005YD

Street Lighting Intelligent Control Series

LF-GOExxxYH* 110-240W



Feature

- Intelligent adaptive constant power
- High efficiency of 93%
- Surge protection: L/N: 6KV, L/N-GND: 10KV
- Flicker free

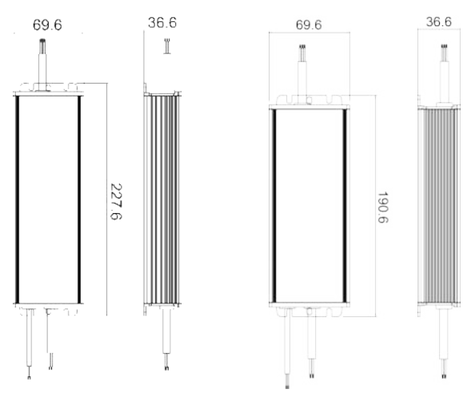
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (A)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GOE110YH	110W	27-56	1.5-3	91%(230Vac)	0.95(230Vac)	≤85.5℃	typical 5%
LF-GOE150YH	150W	27-56	1.8-4.2	92%(230Vac)	0.95(230Vac)	≤85.5℃	typical 5%
LF-GOE200YH	200W	27-56	3-5.5	93%(230Vac)	0.95(230Vac)	≤86℃	typical 5%
LF-GOE240YH	240W	27-56	3.5-6.7	93%(230Vac)	0.95(230Vac)	≤78	typical 5%

Specification

Item	Parameter
• Operating Voltage	100-277Vac
• Ta	-30℃~+50℃
• THD	≤10%
• Tc	90℃
• IP Rating	IP67
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S, I/P-PGND: 1.6kV 5mA 60S

Dimensions



LF-GOE200/240YH

LF-GOE110/150YH

Constant Voltage DT6 Dimming Series

LF-GSDxxxYVxxB* 40-200W



Feature

- Smooth dimming in the whole dimming process
- Dimming depth≤0.1%
- 5-in-1 dimming function: DALI DT6+0-10V/PWM/Rx+Push (LF-GSD040YVxxB)

Parameter

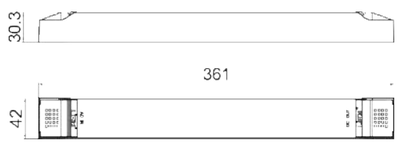
Model	Output Power (Max)	Output Voltage (V)	Output Current (A)	Efficiency (full load)	PF	Ripple (voltage)
LF-GSD040YVxxB	40W	12	0-3.4	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD075YVxxB	75W	12	0-6.25	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD150YVxxB	120W	12	0-12.5	93%(230Vac)	0.95(230Vac)	＜5%
LF-GSD200YVxxB	200W	12	0-16.6	93%(230Vac)	0.95(230Vac)	＜5%
LF-GSD040YVxxB	40W	24	0-1.7	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD075YVxxB	75W	24	0-3.125	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD150YVxxB	150W	24	0-6.25	93%(230Vac)	0.95(230Vac)	＜5%
LF-GSD200YVxxB	200W	24	0-8.3	93%(230Vac)	0.95(230Vac)	＜5%

*LF-GSD040YVxxB and LF-GSD200YVxxB will be released in Q2 of 2021.

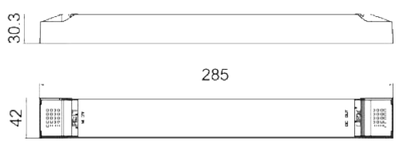
Specification

Item	Parameter
• Operating Voltage	220-240Va; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Ta	-30℃~ +45℃
• Tc	90℃
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GSD150YVxxB



LF-GSD040/075YVxxB

Constant Voltage DT8 Tunable White Series

LF-GSDxxxYVxxA* 40-200W



Feature

- Smooth dimming in the whole dimming process
- Dimming depth≤0.1%

Parameter

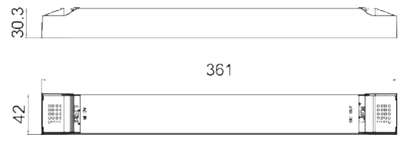
Model	Output Power (Max)	Output Voltage (V)	Output Current (A)	Efficiency (full load)	PF	Ripple (voltage)
LF-GSD040YVxxA	40W	12	0-3.4	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD075YVxxA	75W	12	0-6.25	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD150YVxxA	120W	12	0-12.5	93%(230Vac)	0.95(230Vac)	＜5%
LF-GSD200YVxxA	200W	12	0-16.6	93%(230Vac)	0.95(230Vac)	＜5%
LF-GSD040YVxxA	40W	24	0-1.7	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD075YVxxA	75W	24	0-3.125	92%(230Vac)	0.95(230Vac)	＜5%
LF-GSD150YVxxA	150W	24	0-6.25	93%(230Vac)	0.95(230Vac)	＜5%
LF-GSD200YVxxA	200W	24	0-8.3	93%(230Vac)	0.95(230Vac)	＜5%

*LF-GSD040YVxxA and LF-GSD200YVxxA will be released in Q2 of 2021.

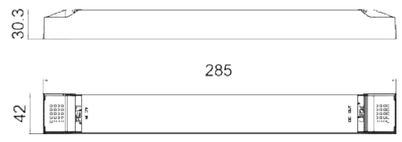
Specification

Item	Parameter
• Operating Voltage	220-240Vac; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Ta	-30℃ ~ +45℃
• Tc	90℃
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

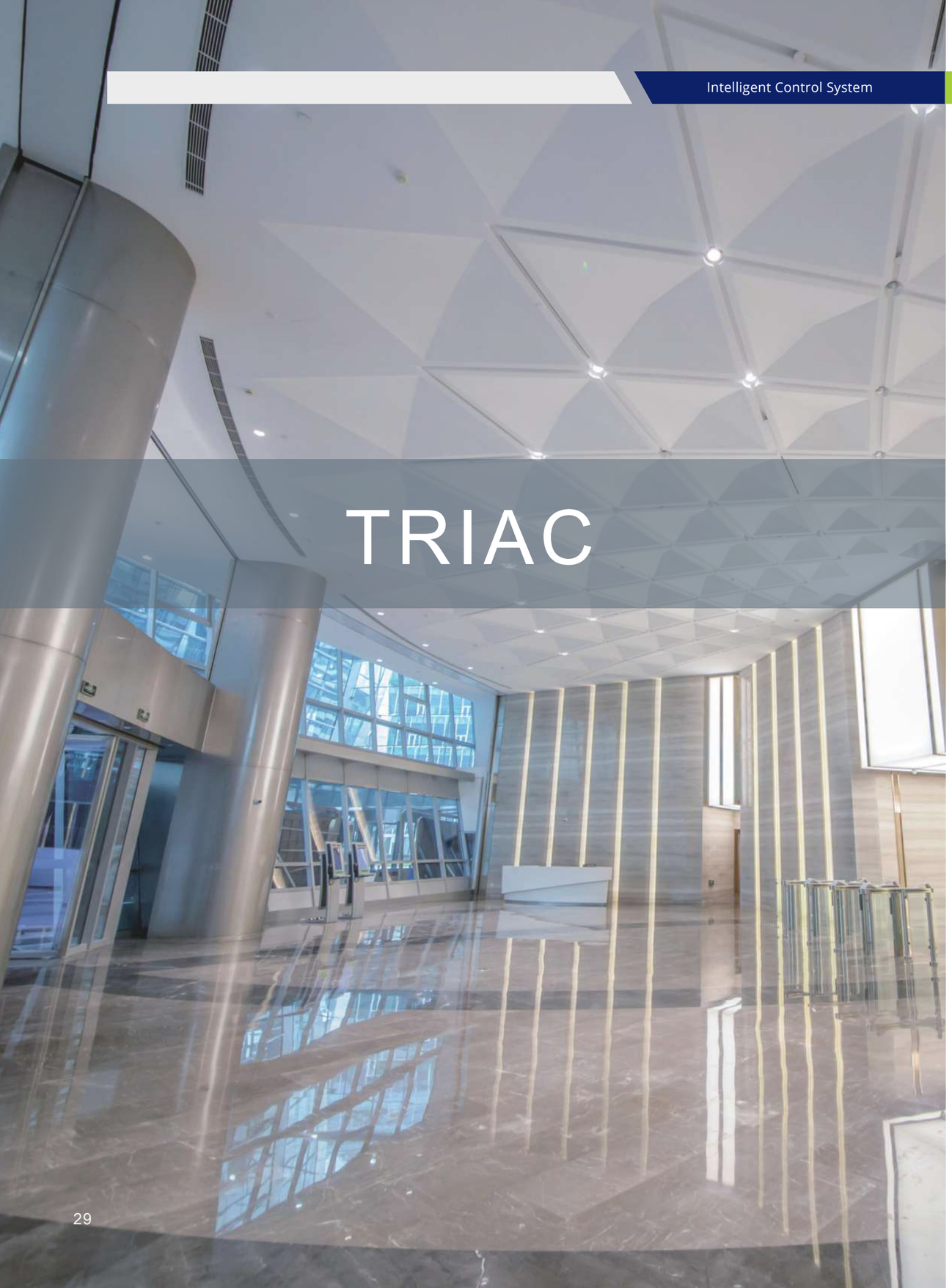
Dimensions



LF-GSD150YVxxA

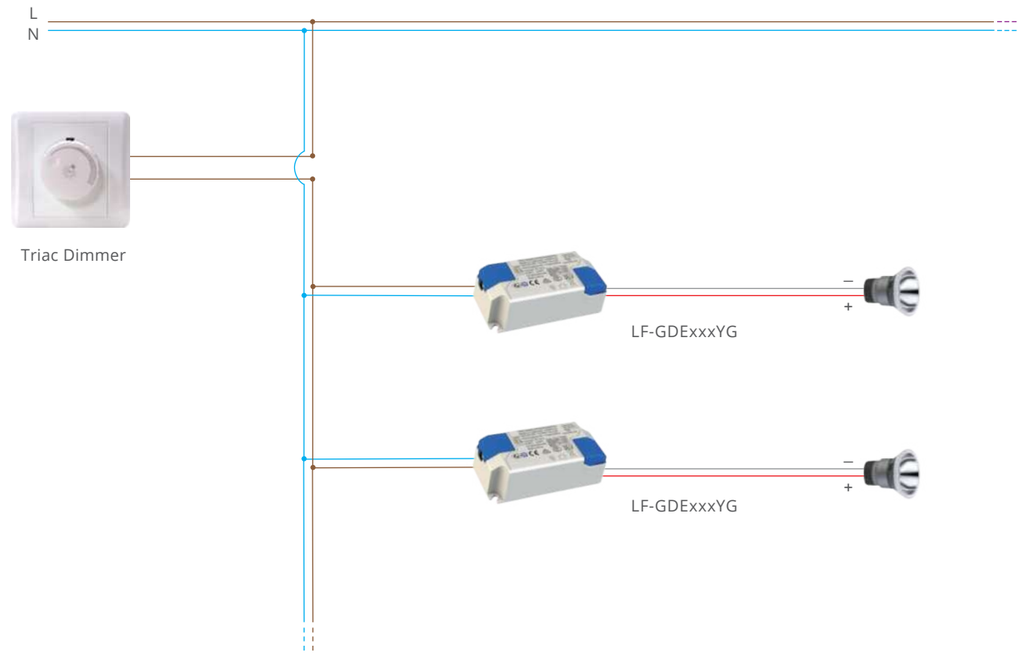


LF-GSD040/075YVxxA



TRIAC

Dimming Wiring Diagram



General Problem in Application:

Some inferior dimmable LED drivers can not work stably because they will flicker when the light is “still very bright” for human eyes.

Conventional Solution:

Dim the light off when it is “still very bright”. But if the dimming depth only reaches 30%, dimming function means nothing.

Lifud Triac Timmable LED Driver:

By actual test, the illuminance ranges from 100lx to 10020lx. And the dimming depth can reach 0.1% without flicker.

220-240Vac Triac Dimming Series

LF-GDExxxYG* 1-30W



Feature

- Compatible with 35 mainstream brands of dimmer
- Output current adjustable via the DIP switch (except for LF-GDE003YG)
- Flicker free (except for LF-GDE003YG)

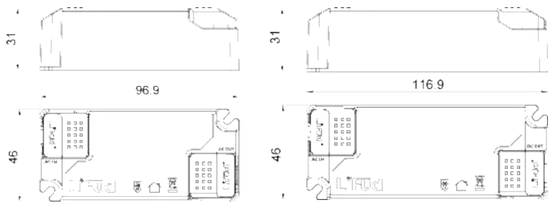
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	PF	Warranty TC	Ripple (voltage)
LF-GDE003YG	3W	3-11	150\200\250\300\350	0.90(230Vac)	≤75°C	<5V
LF-GDE008YG(L)	8W	12-22	300\350	0.90(230Vac)	≤87.4°C	<1V
LF-GDE008YG(H)	8W	25-40	135\150\200	0.90(230Vac)	≤87°C	<1V
LF-GDE014YG	14W	25-40	250\300\350	0.90(230Vac)	≤77°C	<1V
LF-GDE020YG	20W	25-40	400\450\500\550	0.90(230Vac)	≤82°C	<1V
LF-GDE030YG	30W	25-40	600\650\700	0.90(230Vac)	≤87°C	<1V

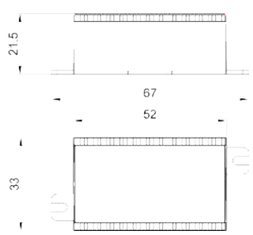
Specification

Item	Parameter
• Operating Voltage	220-240Vac
• Operating Voltage Limit	198-264Vac
• THD	≤20%
• Tc	90°C
• Ta	-30°C~+50°C
• Protection Characteristics	Open circuit, short circuit
• IP Rating	IP20
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GDE008/014YG　　LF-GDE020/030YG



LF-GDE003YG

100-120Vac Triac Dimming Series

LF-GDExxxYD* 8-30W



Feature

- High PF, low THD
- Excellent compatibility

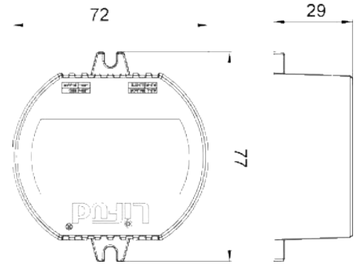
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (voltage)
LF-GDE012YD	12W	25-40	200-300	83%(230Vac)	0.90(230Vac)	≤75°C	<4V
LF-GDE024YD	24W	25-40	350-600	83%(230Vac)	0.90(230Vac)	≤75°C	<4.2V
LF-GDE030YD	30W	25-40	650-750	83%(230Vac)	0.90(230Vac)	≤75°C	<4.2V

Specification

Item	Parameter
• Operating Voltage	100-120Vac
• Operating Voltage Limit	100-140Vac
• THD	≤20%
• Ta	-30°C~+50°C
• Tc	90°C
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P:3.75KVac,<5mA 60S

Dimensions

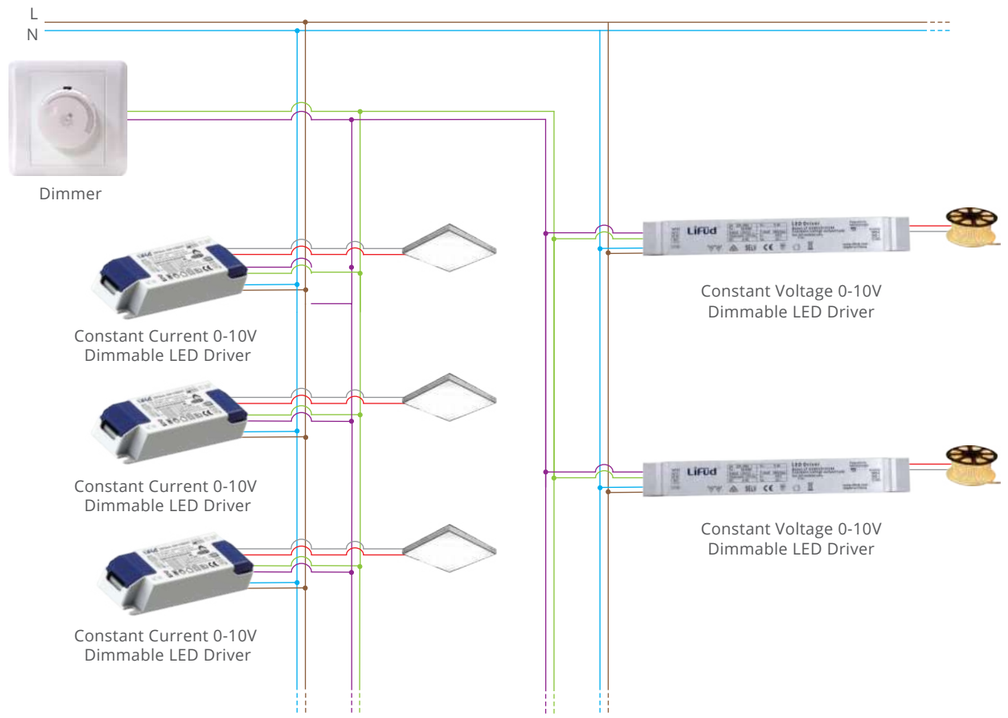


LF-GDE012/024/030YD



0-10V

0-10V Constant Voltage Wiring Diagram



0-10V Control Method:

There are two independent circuits inside the dimming device. One is regular voltage circuit for connecting or cutting off the power supply to the lighting device. The other is low voltage circuit for providing reference voltage and dimming degree for the lighting device.

Difference between 0-10V Dimming and 1-10V Dimming:

The difference lies in the voltage for start-up and dim-off. 0-10V dimming starts to light at 0.3V, while 1-10V dimming starts to light at 0.7-0.8V. The light fixture will not to be dimmed off in 1-10V dimming mode.

Constant Voltage 0-10V Dimming Series

LF-GDExxxYV* 40-200W



Feature

- 3-in-1 dimming function: 0-10V/PWM/Rx
- Smooth dimming effect: flicker free in the whole dimming process
- Dimming depth ≤0.1%

Parameter

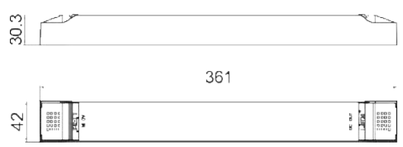
Model	Output Power (Max)	Output Voltage (V)	Output Current (A)	Efficiency (full load)	PF	Ripple (voltage)
LF-GDE040YV	40W	12	0-3.4	92%(230Vac)	0.95(230Vac)	<5%
LF-GDE075YV	75W	12	0-6.25	92%(230Vac)	0.95(230Vac)	<5%
LF-GDE150YV	120W	12	0-12.5	93%(230Vac)	0.95(230Vac)	<5%
LF-GDE200YV	200W	12	0-16.6	93%(230Vac)	0.95(230Vac)	<5%
LF-GDE040YV	40W	24	0-1.7	92%(230Vac)	0.95(230Vac)	<5%
LF-GDE075YV	75W	24	0-3.125	92%(230Vac)	0.95(230Vac)	<5%
LF-GDE150YV	150W	24	0-6.25	93%(230Vac)	0.95(230Vac)	<5%
LF-GDE200YV	200W	24	0-8.3	93%(230Vac)	0.95(230Vac)	<5%

*LF-GDE040YV and LF-GDE200YV will be released in Q2 of 2021.

Specification

Item	Parameter
• Operating Voltage	220-240Vac; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Ta	-30°C ~ +45°C
• Tc	90°C
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

Dimensions



LF-GDE150YV



LF-GDE075YV

Plastic Casing 0-10V Dimming Series

LF-GDExxxYK* 8-40W



Feature

- Output current adjustable via the DIP switch (50mA a step)
- 3-in-1 dimming function: 0-10V/PWM/Rx
- Smooth dimming effect: flicker free in the whole dimming process
- Dimming depth ≤0.1%
- 12V 50mA auxiliary power supply (except for LF-GDE008YK)

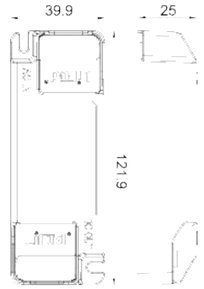
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GDE008YK	8W	2-12	350-700	76%(230Vac)	0.90(230Vac)	≤86°C	<5%
LF-GDE008YK	8W	20-42	100-350	76%(230Vac)	0.90(230Vac)	≤86°C	<5%
LF-GDE012YK	12W	25-42	150-300	83%(230Vac)	0.90(230Vac)	≤86°C	<5%
LF-GDE020YK	20W	25-42	300-500	85%(230Vac)	0.95(230Vac)	≤86°C	<5%
LF-GDE030YK	30W	25-42	550-700	86%(230Vac)	0.95(230Vac)	≤80°C	<5%
LF-GDE040YK	40W	25-42	750-1050	87%(230Vac)	0.95(230Vac)	≤78°C	<5%

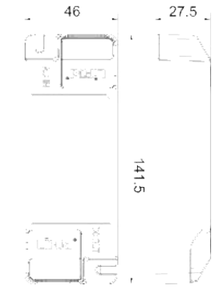
Specification

Item	Parameter
• Operating Voltage	220-240Vac; 310-340Vdc
• Operating Voltage Limit	198-264Vac; 280-374Vdc
• THD	≤15%
• Ta	-30°C ~ +45°C
• Tc	90°C
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S

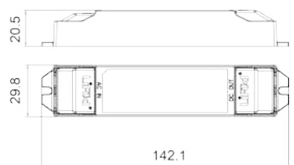
Dimensions



LF-GDE012/020YK



LF-GDE030/040YK



LF-GDE008YK

Linear Metal Casing 0-10V Dimming Series

LF-GLDxxxYE* 11-84W



Feature

- 3-in-1 dimming function: 0-10V/PWM/Rx
- Efficiency up to 89%
- Two sets of input L/N terminals
- Flicker free
- Suitable for Class I light fixtures

Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (voltage/current)
LF-GLD025YE	25W	25-42	250-550	87%(230Vac)	0.90(230Vac)	≤73°C	<2V
LF-GLD035YE	35W	25-42	600-800	87%(230Vac)	0.90(230Vac)	≤72°C	<2V
LF-GLD045YE	45W	25-42	850-1050	88%(230Vac)	0.90(230Vac)	≤88°C	<2%
LF-GLD055YE	55W	25-42	1100-1300	88%(230Vac)	0.90(230Vac)	<88°C	<1%
LF-GLD065YE	65W	25-42	1300-1550	89%(230Vac)	0.90(230Vac)	≤84°C	<1%
LF-GLD080YE	80W	25-42	1900-2000	89%(230Vac)	0.90(230Vac)	≤84°C	<1%

Specification

Item	Parameter
• Operating Voltage	220-240Vac
• Operating Voltage Limit	198-264Vac
• THD	≤20%
• Ta	-30°C~+50°C
• Tc	90°C
• IP Rating	IP20
• Protection Characteristics	Open circuit, short circuit
• Withstanding Voltage	I/P-O/P: 3.75kV/ 5mA/ 60S
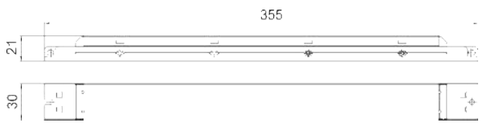
Dimensions



LF-GLD025/035/045YE



LF-GLD055/065YE



LF-GLD080YE

220-240Vac 0-10V Dimming UFO Series

LF-FHBxxxYD/J III* 120-260W



Feature

- 3-in-1 dimming function: 0-10V/PWM/Rx
- Ultra high efficiency up to 96%
- 12V auxiliary power supply interface (YD)
- Two-stage flicker free design
- Output current adjustable via the potentiometer on the side
- Surge protection: L-N: 6KV, L/N-GND: 6KV

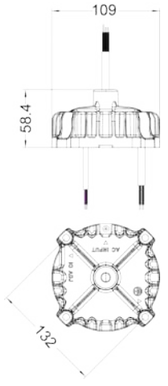
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-FHB120YD/J III	120W	180-260	300-500	95%(230Vac)	0.95(230Vac)	≤80°C	<3%
LF-FHB150YD/J III	150W	180-260	500-750	95%(230Vac)	0.95(230Vac)	≤81°C	<3%
LF-FHB200YD/J III	200W	180-260	700-1000	96%(230Vac)	0.95(230Vac)	≤79°C	<3%
LF-FHB240YD/J III	240W	180-260	700-1000	96%(230Vac)	0.95(230Vac)	≤83°C	<3%
LF-FHB260YD/J III	260W	180-260	850-1200	96%(230Vac)	0.95(230Vac)	≤83°C	<3%

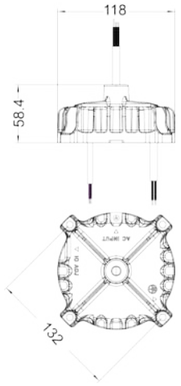
Specification

Item	Parameter
• Operating Voltage	220-240Vac; 311-339Vdc
• Operating Voltage Limit	165-305Vac
• THD	<15%
• Ta	-40°C~+70°C (120/150W) -40°C~+60°C (200/240/260W)
• Tc	90°C
• IP Rating	IP65
• Protection Characteristics	Open circuit, short circuit, over temperature, over voltage
• Withstanding Voltage	L-N/PG: 1.5KVac <5mA 60S

Dimensions



LF-FHB120/150/200YD/J III



LF-FHB240/260YD/J III

100-277Vac 0-10V Dimming UFO Series

0-10V | 96% | IP65 | FLICKER FREE

LF-FHBxxxYA/C III* 100-240W



Feature

- 3-in-1 dimming function: 0-10V/PWM/Rx
- Ultra high efficiency up to 96%
- 12V auxiliary power supply interface (YA)
- Two-stage flicker free design
- Output current adjustable via the potentiometer on the side
- Surge protection: L-N: 4KV, L/N-GND: 6KV

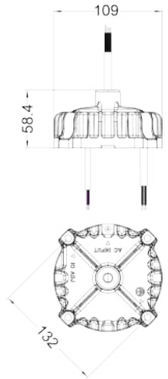
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-FHB100YA/C III	100W	180-260	250-400	95%(230Vac)	0.95(230Vac)	≤81°C	<3%
LF-FHB120YA/C III	120W	180-260	300-500	95%(230Vac)	0.95(230Vac)	≤80°C	<3%
LF-FHB150YA/C III	150W	180-260	500-750	96%(230Vac)	0.95(230Vac)	≤82°C	<3%
LF-FHB200YA/C III	200W	180-260	700-1000	96%(230Vac)	0.95(230Vac)	≤79°C	<3%
LF-FHB240YA/C III	240W	180-260	850-1200	96%(230Vac)	0.95(230Vac)	≤79°C	<3%

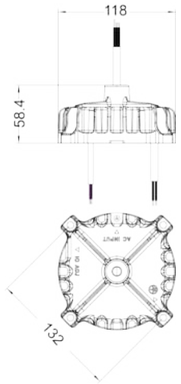
Specification

Item	Parameter
• Operating Voltage	100-277Vac; 141-391Vdc
• Operating Voltage Limit	90-305Vac
• THD	<15%
• Ta	-40°C~+60°C
• Tc	90°C
• IP Rating	IP65
• Protection Characteristics	Open circuit, short circuit, over temperature, over voltage
• Withstanding Voltage	L-N/PG: 1.5KVac <5mA 60S

Dimensions



LF-FHB100/120/150YA/C III



LF-FHB200/240YA/C III

100-277Vac Street Lighting 0-10V Dimming Series

0-10V | 10KV | 93% | IP67 | FLICKER FREE

LF-GOExxxYF* 110-240W



Feature

- 3-in-1 dimming function: 0-10V/PWM/Rx
- High efficiency up to 93%
- Output current adjustable via the potentiometer
- Surge protection: L-N: 6KV, L/N-GND: 10KV
- Flicker free

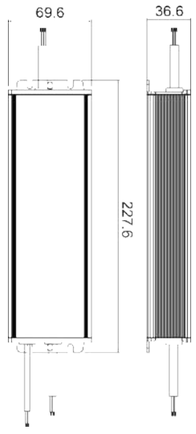
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (A)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GOE110YF	110W	27-56	1.5-3	91%(230Vac)	0.95(230Vac)	≤85.5°C	typical 5%
LF-GOE150YF	150W	27-56	1.8-4.2	92%(230Vac)	0.95(230Vac)	≤85.5°C	typical 5%
LF-GOE200YF	200W	27-56	3-5.5	93%(230Vac)	0.95(230Vac)	≤86°C	typical 5%
LF-GOE240YF	240W	27-56	3.5-6.7	93%(230Vac)	0.95(230Vac)	≤78°C	typical 5%

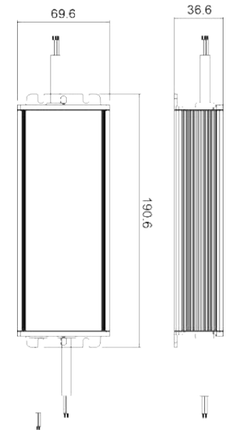
Specification

Item	Parameter
• Operating Voltage	100-277Vac; 141-391Vdc
• Operating Voltage Limit	90-305Vac; 127-431Vdc
• THD	≤10%
• Ta	-40°C~+60°C (200-277Vac) -40°C~+50°C (100-200Vac)
• Tc	90°C
• IP Rating	IP67
• Protection Characteristics	Open circuit, short circuit, over temperature, over voltage, surge protection
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S I/P-FG: 1.5kV 5mA 60S O/P-FG: 0.5kV 5mA 60S

Dimensions



LF-GOE200/240YF



LF-GOE110/150YF

100-277Vac Street Lighting Digital Programmable Series

LF-GOExxxYJ/K* 110-240W



93% IP67 FLICKER FREE 0-10V 10KV

Feature

- 2-in-1 dimming function: 0-10V/PWM
- High efficiency up to 93%
- Intelligent adaptive constant power
- 7-section timing dimming
- Attenuation compensation
- 12V auxiliary power supply interface (YK)
- Surge protection: L-N: 6KV, L/N-GND: 10KV
- Flicker free

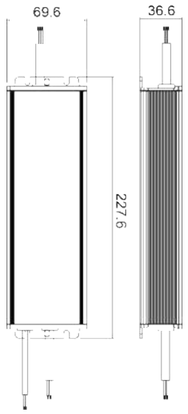
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (A)	Efficiency (full load)	PF	Warranty TC	Ripple (current)
LF-GOE110YJ/K	110W	27-56	1.5-3	91%(230Vac)	0.95(230Vac)	≤85.5℃	typical 5%
LF-GOE150YJ/K	150W	27-56	1.8-4.2	92%(230Vac)	0.95(230Vac)	≤85.5℃	typical 5%
LF-GOE200YJ/K	200W	27-56	3-5.5	93%(230Vac)	0.95(230Vac)	≤86℃	typical 5%
LF-GOE240YJ/K	240W	27-56	3.5-6.7	93%(230Vac)	0.95(230Vac)	≤78℃	typical 5%

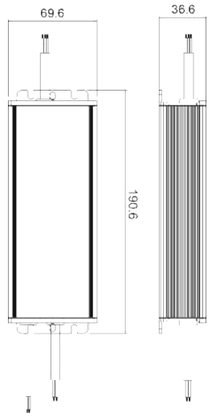
Specification

Item	Parameter
• Operating Voltage	100-277Vac; 141-391Vdc
• Operating Voltage Limit	90-305Vac; 127-431Vdc
• THD	≤10%
• Ta	-40℃ - +60℃ (200-277Vac) -40℃ - +50℃ (100-200Vac)
• Tc	90℃
• IP Rating	IP67
• Protection Characteristics	Open circuit, short circuit, over temperature, over voltage, surge protection
• Withstanding Voltage	I/P-O/P: 3.75kV 5mA 60S I/P-FG: 1.5kV 5mA 60S O/P-FG: 0.5kV 5mA 60S

Dimensions



LF-GOE200/240YJ/K



LF-GOE110/150YJ/K

100-277Vac Street Lighting 0-10V Dimming Series

LF-GOExxxYF* 30-75W



0-10V 10KV 90% IP67

Feature

- 3-in-1 dimming function: 0-10V/PWM/Rx
- Constant power
- High efficiency up to 90%
- Output current adjustable via the potentiometer
- Surge protection: L-N: 6KV, L/N-GND: 10KV

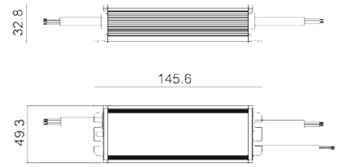
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Voltage (constant power/V)	Output Current (A)	Efficiency (full load)	PF	Warranty TC
LF-GOE030YF	30W	30-54	36-54	0.35-0.85	88%(230Vac)	0.95(230Vac)	≤80℃
LF-GOE050YF	50W	30-54	36-54	0.6-1.4	88%(230Vac)	0.95(230Vac)	≤80℃
LF-GOE060YF	60W	30-54	36-54	1.1-1.7	90%(230Vac)	0.95(230Vac)	≤80℃
LF-GOE075YF	75W	30-54	36-54	1.35-2.1	90%(230Vac)	0.95(230Vac)	≤80℃

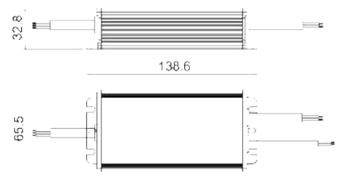
Specification

Item	Parameter
• Operating Voltage	100-277Vac; 141-391Vdc
• Operating Voltage Limit	90-305Vac
• THD	≤15%
• Ta	-40℃~+60℃
• Tc	90℃
• IP Rating	IP67
• Protection Characteristics	Open circuit, short circuit, over temperature, over voltage
• Withstanding Voltage	I/P-O/P: 3.75KVac <5mA 60S I/P-FG: 1.6KVac <5mA 60S O/P-FG: 0.5KVac <5mA 60S

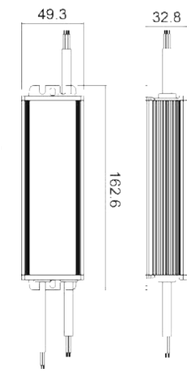
Dimensions



LF-GOE030YF



LF-GOE050/060YF



LF-GOE075YF

220-240Vac Street Lighting 0-10V Dimming Series

LF-GOExxxYF(E)* 25-100W



Feature

- 3-in-1 dimming function: 0-10V/PWM/Rx
- Constant power
- High efficiency up to 90%
- Output current adjustable via the potentiometer
- Surge protection: L-N: 6KV, L/N-GND: 10KV

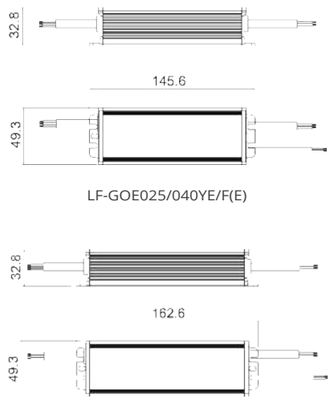
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Voltage (constant power/V)	Output Current (A)	Efficiency (full load)	PF	Warranty TC
LF-GOE025YF(E)	25W	30-54	36-54	0.35-0.52	88%(230Vac)	0.95(230Vac)	≤80°C
LF-GOE040YF(E)	40W	30-54	36-54	0.35-1.2	88%(230Vac)	0.95(230Vac)	≤80°C
LF-GOE060YF(E)	60W	30-54	36-54	0.6-1.7	88%(230Vac)	0.95(230Vac)	≤79°C
LF-GOE075YF(E)	75W	30-54	36-54	1.2-2.1	90%(230Vac)	0.95(230Vac)	≤75°C
LF-GOE100YF(E)	100W	30-54	36-54	1.6-2.8	90%(230Vac)	0.95(230Vac)	≤75°C

Specification

Item	Parameter
• Operating Voltage	220-240Vac; 311-339Vdc
• Operating Voltage Limit	180-264Vac
• THD	≤15%
• Ta	-40°C~+60°C
• Tc	90°C
• IP Rating	IP67
• Protection Characteristics	Open circuit, short circuit, over temperature, over voltage
• Withstanding Voltage	I/P-O/P: 3.75KVac <5mA 60S I/P-FG: 1.6KVac <5mA 60S O/P-FG: 0.5KVac <5mA 60S

Dimensions



0-10V

0-10V Dimmable LED Driver Choose Lifud

EMERGENCY

Linear Emergency Series

LF-GSPxxxYD* 14-40W



Feature

- Consist of an LED driver and an emergency control unit
- Battery separated, standard emergency time ≥90mins
- Pass CE certification with Ni-MH battery (LF-GSP040YD)
- Flicker free

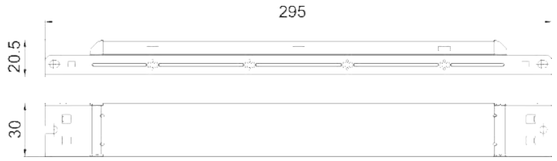
Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Efficiency (full load)	PF	Warranty (TC)	Ripple（voltage）
LF-GSP020YD	20W	30-40	350-500	77%(230Vac)	0.93(230Vac)	≤85°C	≤4V
LF-GSP040YD	40W	30-40	700-1000	80%(230Vac)	0.93(230Vac)	≤85°C	≤4V

Specification

Item	Parameter
• Operating Voltage	100-277Vac
• Operating Voltage Limit	90-305Vac
• Emergency Current	350mA
• THD	≤20%
• Ta	-30°C~+40°C (40W) -20°C~+40°C (20W)
• Tc	90°C
• Protection Characteristics	Driver: open circuit, short circuit Battery: over charging, over discharging, reversed connection

Dimensions



LF-GSP020/040YD

Constant Power Emergency Series (Independent Battery)

FLICKER FREE DIP

LF-GSP012YH* 5/7/10/12W



Feature

- Output power adjustable (5/7/10/12W) via the DIP switch
- Constant output power, matching different LED loads
- Independent battery pack, driver inside the light fixture
- Flicker free

Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Battery Specification
LF-GSP012YH	12W	25-48	≤500	With a 2000mAH Ni-Cd battery

Specification

Item	Parameter
• Operating Voltage	100-277Vac
• Emergency Current	≤500mA
• Ta	0~50°C
• Tc	59.3°C
• Protection Characteristics	Driver: open circuit, short circuit, under voltage Battery: over charging, over discharging, reversed connection
• Constant Power Emergency Range	DC25-48V current≤2A

Dimensions

LF-GSP012YH

Emergency Time

Emergency Power	Duration
5W	≥3h
7W	≥2h
10W	≥90mins
12W	≥90mins

Constant Power Emergency Series (Internal Battery)

DIP

LF-GSPxxxYG* 5/7/10/12W



Feature

- Output power adjustable (5/7/10/12W) via the DIP switch
- Constant output power, matching different LED loads
- Internal battery pack, driver can be externally used

Parameter

Model	Output Power (Max)	Output Voltage (V)	Output Current (mA)	Battery Specification
LF-GSP007YG	7W	25-48	≤300	With a 1200mAH Ni-Cd battery
LF-GSP012YG	12W	25-48	≤500	With a 2000mAH Ni-Cd battery

Specification

Item	Parameter
• Operating Voltage	100-277Vac
• Emergency Current	≤300mA
• Ta	0~50°C
• Tc	59.9°C
• Protection Characteristics	Driver: open circuit, short circuit, under voltage Battery: over charging, over discharging, reversed connection
• Constant Power Emergency Range	DC25-48V current≤2A

Dimensions

LF-GSP007/012YG

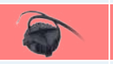
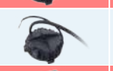
Emergency Time

Emergency Power	Duration
5W	≥3h
7W	≥ 2h
10W	≥90mins
12W	≥90mins

Function Selection Table

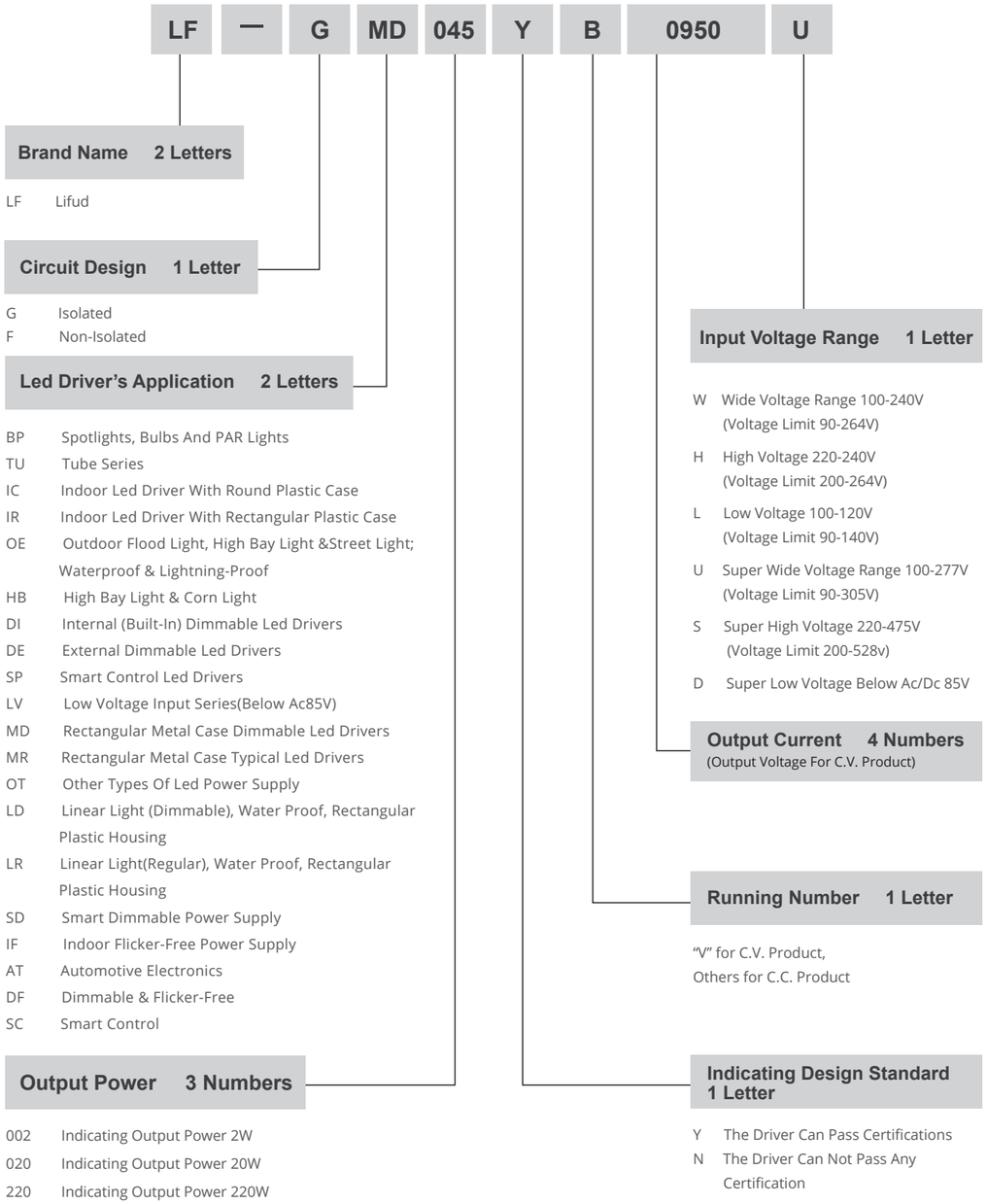
Input Voltage	Output Power	Model	Picture	Dimming Mode				Tunable White	Adjustable Current	12V Auxiliary Power Supply	IP Rating	Flicker Free	Warranty	Certificate	Page
				0-10V, PWM & Rx	DALI	Push	Triac								
Constant Voltage															
220-240Vac	40-200W	LF-GSDxxxYVxxB		√	√	√					IP20	√	5yrs	DALI 2.0, ENEC, CE, CB, RCM, SAA, CCC	27
	40-200W	LF-GSDxxxYVxxA			√	Ø		√			IP20	√	5yrs	DALI 2.0,ENEC, CE, CB, RCM, SAA, CCC	28
	40-200W	LF-GDExxxYV		√							IP20	√	5yrs	ENEC, CE, CB, RCM, SAA, CCC	35
Constant Current															
220-240Vac	12-20W	LF-GSDxxxYK		√	√	√		√	√	√	IP20	√	5yrs	DALI 2.0, ENEC, RCM, CE, CB, CCC	18
	11-50W	LF-GSDxxxYG			√	√		√	√		IP20	√	5yrs	DALI 2.0, ENEC, CE, CB, SAA, RCM, CCC	19
	6-40W	LF-GSDxxxPF			√	√			√		IP20	√	5yrs	DALI 2.0, ENEC, CE, CB, SAA, RCM, CCC	20
	11-63W	LF-GSDxxxYC		√	√	√			√		IP20	√	7yrs	DALI 2.0, ENEC, CE, CB, SAA, RCM, CCC	21
	4-84W	LF-GSDxxxYE			√	√			√		IP20	√	5yrs	DALI 2.0, ENEC, CE, CB, SAA, RCM, CCC	22
	1-30W	LF-GDExxxYG					√		√		IP20	√	5yrs	ENEC, CE, CB, SAA, RCM, CCC	31
	8-40W	LF-GDExxxYK		√					√	√	IP20	√	5yrs	ENEC, CE, CB, SAA, RCM, CCC	36
	11-84W	LF-GLDxxxYE		√							IP20	√	5yrs	CE, CB, RCM	37
	120-260W	LF-FHBxxxYDIII		√					√	√	IP65	√	5yrs	ENEC, CE, CB, SAA, RCM	38
	120-260W	LF-FHBxxxYJIII		√					√		IP65	√	5yrs	ENEC, CE, CB, SAA, RCM	38
	25-100W	LF-GOExxxYF(E)		√					√		IP67	√	5yrs	ENEC, CE, CB, SAA, RCM, CCC	43
100-120Vac	8-30W	LF-GDExxxYD					√				IP20		5yrs	UL, FCC	32
DALI Bus Power Supply		LF-GSD005YD									IP20		5yrs	DALI 2.0, CE	25
DALI Converter (AC Power Supply		LF-SCD010A		0-10V							IP20		5yrs	DALI 2.0, CE	24
DALI Converter (DC Power Supply		LF-SCD010B		0-10V							IP67		5yrs	CE	24
DALI Converter (No Additional Power Supply		LF-SCD010C		PMW							IP67		5yrs	CE	24

Constant Current

Input Voltage	Output Power	Model	Picture	Dimming Mode				Tunable White	Adjustable Current	12V Auxiliary Power Supply	IP Rating	Flicker Free	Warranty	Certificate	Page
				0-10V, PWM & Rx	DALI	Push	Triac								
100-277Vac	34-44W	LF-GSD045YB			√	√			√	√	IP20	√	5yrs	DALI 2.0, ENEC, CE, CB, SAA, RCM	23
	110-240W	LF-GOExxxYH			√				Intelligent Constant Power Adjustment		IP67	√	5yrs	DALI 2.0, ENEC, CE, CB, SAA, RCM, CCC, UL, FCC	26
	110-240W	LF-FHBxxxYAIII		√					√		IP65	√	5yrs	UL, FCC	39
	110-240W	LF-FHBxxxYCIII		√					√		IP65	√	5yrs	UL, FCC	39
	110-240W	LF-GOExxxYF		√					√	√	IP67	√	5yrs	ENEC, CE, CB, SAA, RCM, CCC, UL, FCC	40
	110-240W	LF-GOExxxYJ		0-10V & PMW					Intelligent Constant Power Adjustment		IP67	√	5yrs	ENEC, CE, CB, SAA, RCM, CCC, UL, FCC	41
	110-240W	LF-GOExxxYK		0-10V & PMW					Intelligent Constant Power Adjustment	√	IP67	√	5yrs	ENEC, CE, CB, SAA, RCM, CCC, UL, FCC	41
	30-75W	LF-GOExxxYF		√					√		IP67		5yrs	ENEC, CE, CB, SAA, RCM, CCC, UL, FCC	42
	14-40W	LF-GSPxxxYD		Emergency LED Driver							/	√	3yrs	UL, CE	46
	5-12W	LF-GSP012YH		Emergency LED Driver					√	√	/	√	5yrs	UL, FCC, CE	47
	5-12W	LF-GSPxxxYG		Emergency LED Driver					√		/	√	5yrs	UL, FCC, CE	48

Naming Rule

for Lifud C.C. & C.V. LED Driver



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