LF-GIT030YC0800H(S)

GIT*YC SELV 7-output current | Constant Current - Non dimmable

Product family features

— Low THD<15% @full load

— Rated supply range: 220–240 VAC

— Ta range: -20 - +40°C

— Ripple current<5%

— 5 years guarantee

Product family benefits

— Output current adjustable via DIP switch with 7-shift

— Flicker free; SELV output

— Long lifetime and high reliability

Typical applications

— For track light

— For office, commercial, decorative and retail lighting, etc.

Product parameters

— Output current 500/550/600/650/700/750/800mA

— Output power 13-32W

— Input voltage 198–264Vac

— Output voltage 25-40Vdc

— Efficiency 88.5%

Electrical data

Input data

Nominal input voltage	220 ... 240V
Input voltage AC	198 ... 264V
Mains frequency	50/60Hz
Power factor	≥0.95
Efficiency	88.5% [1)]
THD	≤15%
Input current	0.2A Max
Inrush current	20A [2)]
Loading no. on circuit breaker 10 A (B)	22
Loading no. on circuit breaker 10 A (C)	37
Loading no. on circuit breaker 16 A (B)	36
Loading no. on circuit breaker 16 A (C)	61
Protective conductor current	≤0.7mA

Output data

Nominal output voltage	25... 40V [3)]
Nominal output current	500/550/600/650/700/750/800mA
Default output current	800mA
Current set	DIP switch (please see the DIP switch definition)
Maximum output power	32W
Nominal output power	13...32W
Output ripple current (100 Hz)	<5%
Flicker	Comply with IEEE Std 1789-2015
CIE SVM	≤0.4
IEC-Pst	≤1
Output current tolerance	±5%
Temperature tolerance	±10%
Starting time	<0.5S

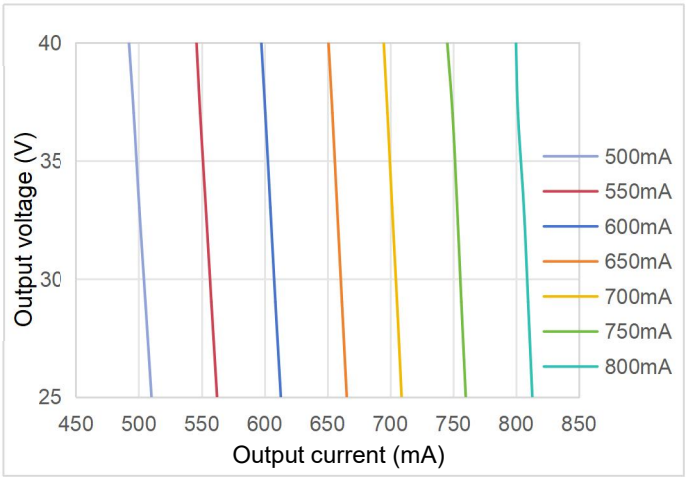
Safety

Withstanding Voltage	I/P-O/P: 3.75kV&5mA&60S
Surge capability (L-N)	2kV
Insulation Resistance	I/P-O/P: >100MΩ@500VDC
Guarantee	5 years [4)]

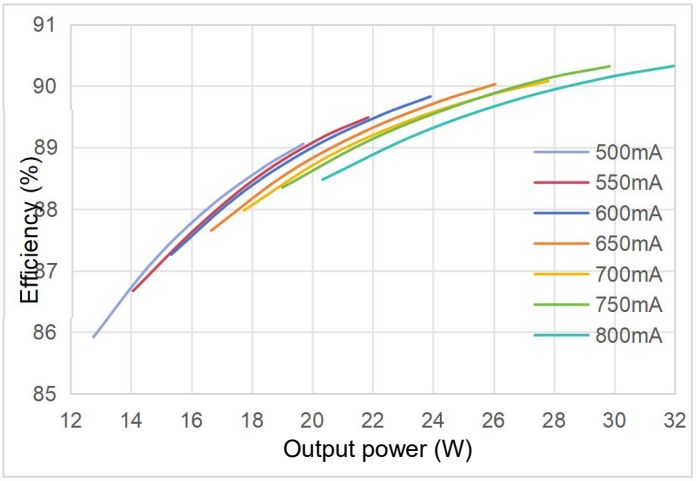
1) @800mA 230Vac
2) t =200μs
3) Please refer to the operating window for the relationship between the output voltage and current
4) 5 years@Tc≤80℃

Characteristic diagram

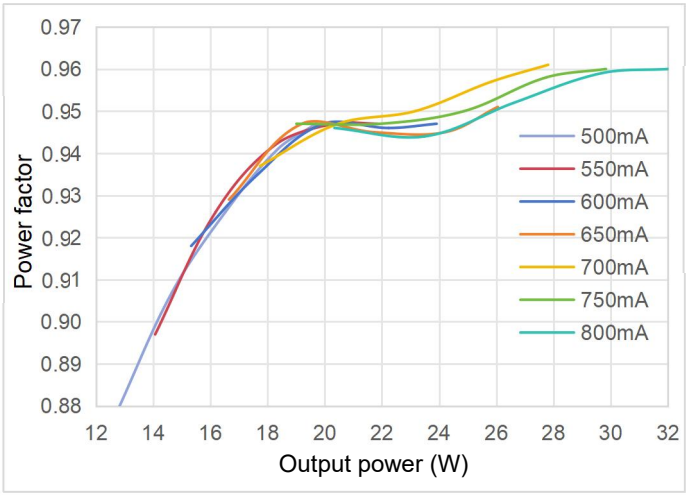
Operating Window



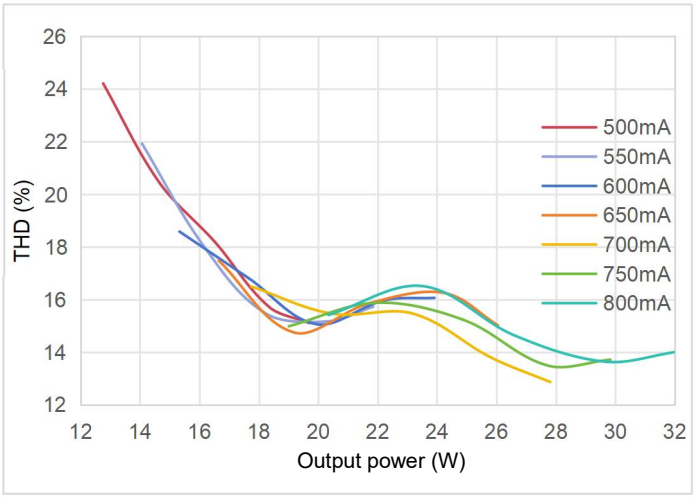
Typical Efficiency vs Load



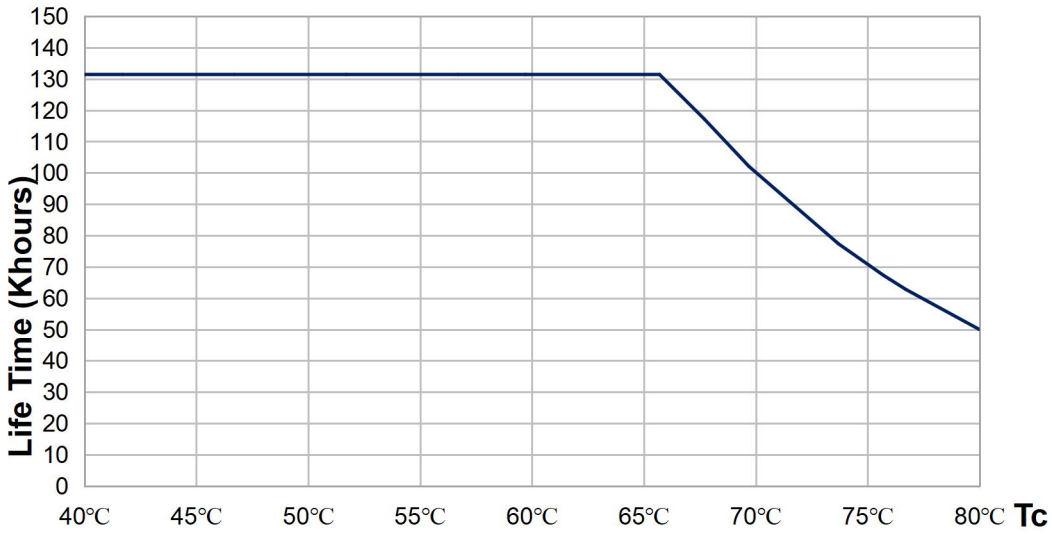
Typical Power Factor vs Load



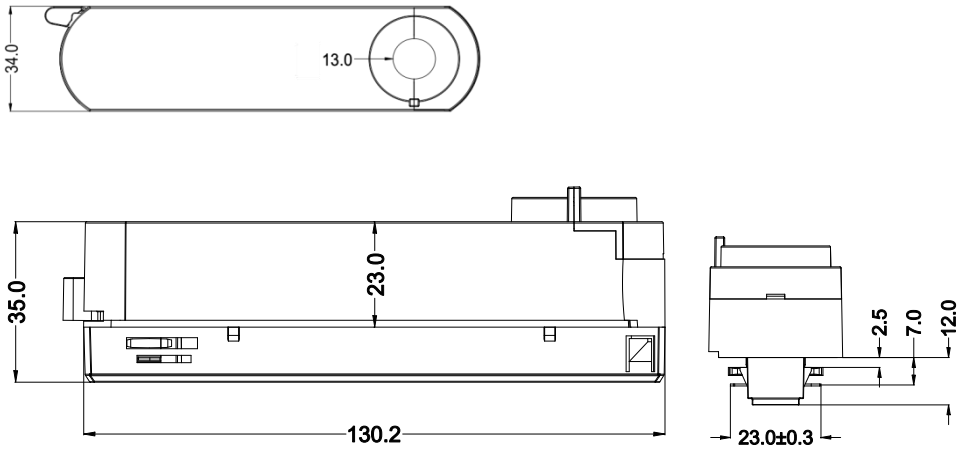
Typical THD vs Load



Lifespan

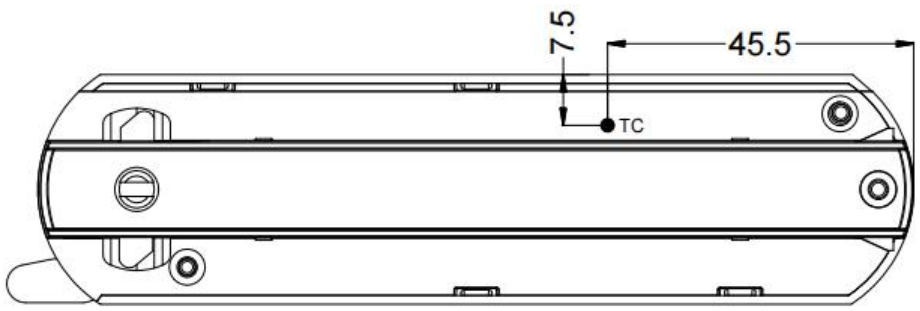


Dimensions



Product weight	94.5 g
Cable cross-section, output side	0.5 ... 1.5 mm²
Wire preparation length, output side	7 ... 8mm
Length	130.2mm
Width	34.0mm
Height	35mm
Colors & materials	
Casing material	PC
Casing color	White, black, gray
Temperature & operating conditions	
Ambient temperature range	-20 ... +40°C
Maximum temperature at tc test point	80°C
Temperature range at storage	-30 ... +80℃ (6 months in Class I environment)
Humidity range at storage	20-95%RH (no condensation)
Humidity during operation	20-90%RH
RoHS	RoHS 2.0 (EU) 2015/863

Tc test point



Note: The picture is a front view, and the Tc point is on the front of the product.

Product Terminal

Input		Output	
AC-L	AC live wire input	**LED+**	Positive electrode output of LED driver
AC-N	AC neutral wire input	**LED-**	Negative electrode output of LED driver

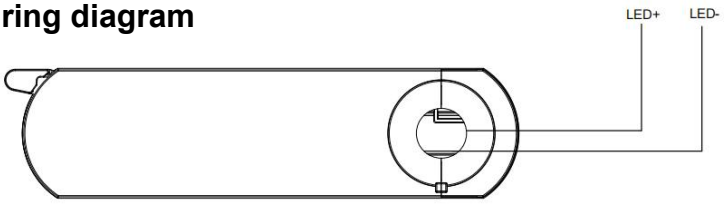
DIP switch Terminal

Output current	Output voltage application	DIP switch 1	DIP switch 2	DIP switch 3
500mA	25-40Vdc	-	-	-
550mA	25-40Vdc	ON	-	-
600mA	25-40Vdc	-	ON	-
650mA	25-40Vdc	ON	ON	-
700mA	25-40Vdc	-	-	ON
750mA	25-40Vdc	ON	-	ON
*800mA	25-40Vdc	-	ON	ON

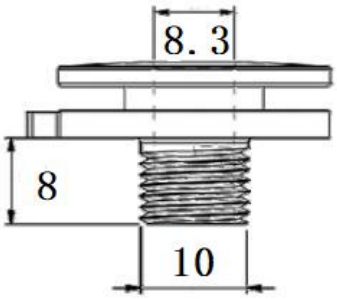
Note: “-”: shift OFF. “*”: default current. DIP when power on is NOT allowed. Please disconnect the AC power before DIP.

Diagram of a 2-Wire, 2-Circuit Track

Wiring diagram



Screw thread



Specification	Color
M10*8mm	Black
	White
	Grey

Capabilities

Dimmable	-
Overheating protection	When the temperature on the front side of U2 reaches 137 ℃, the output current drops
Overload protection	-
Short-circuit protection	Automatic reversible
No-load protection	<55V
Suitable for fixtures with prot. class	II
Control interface	-
Output interface	1 channel

Programming

Programming device	-
DALI control software	-
APP	-

Certificates & standards

Approval marks	ENEC, CB, CE, UKCA, CQC
Standards	IEC/EN 61347-2-13，IEC/EN 61347-1，IEC/EN 62493 IEC/EN 62384 GB/T 13961-2008，GB 7000.1-2015，GB 19510.1-2009， GB 19510.14-2009
EMC	GB 17625.1-2022，GB/T 17743-2021 EN 55015，EN 61547，EN 61000-3-2,3 GB/T 17743-2021，GB 17625.1-2022
Type of protection	IP20

Logistical Data

Product	Packaging unit (Pieces/Unit)	Dimensions (L*W*H)	Volume	Gross weight
LF-GIT030YC0800H(S)	64	375mm*335mm*210mm	26.39dm³	6.95kg±5%

Test equipment & condition

Test Equipment	AC power source: CHROMA6530, digital power meter: CHROMA66205, oscilloscope: Tektronix DPO3014, DC electronic load: M9712B, LED board, constant temperature and humidity chamber, lightning surge generator: Everfine EMS61000-5B, rapid group pulse generator: Everfine EMS61000-4A, spectroanalyzer: KH3935, hi-pot tester: EEC SE7440, flicker tester (flicker-free coefficient test): Everfine LFA-3000, etc.

If there are no special remarks, the above parameters are tested at the ambient temperature of 25℃, humidity of 50%, maximum output load and input voltage of 230Vac/50Hz.

Additional information

1. It is recommended that user install the over voltage protection, under voltage protection and surge protection devices in the power supply circuits of light fixtures to ensure electricity safety.

2. The LED driver used in combination with the end device is one of the accessories of the whole light fixture, and the EMC of the whole light fixture is not only susceptible to the driver itself, but to the LED light fixture and the whole light fixture's wiring. Thus, the manufacturer of LED light fixture should re-confirm the EMC of the whole light fixture before the whole light fixture is finished.

3. The test conditions of the circuit breaker configuration quantity are the same as those of the inrush current.

4. 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.

Transportation & storage

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.

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.

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

Lifud Technology Co., Ltd. reserves the right to interpret any contents of this specification.