

Quality – Our Top Priority !

5th Generation LED Retrofit Kits



GI-5RFK-45 Series

45W 100-277V 5,714lm 128lm/W 5000K

One of the original designer and leading manufacturer of LED retrofit kits in China. They have both Design & Utility Patents. The 5th generation LED retrofit kits are upgraded to a more uniform and unique design with great performance enhancements. The Kits deliver over 125lm/W.

With various mounting brackets, the kits can retrofit a majority of fixtures whether it is a vertical or horizontal installation, in street light fixtures, shoebox fixtures, wall pack fixtures, flood light fixtures, canopy fixtures, and high bay fixtures, etc. The installation is much easier.



*This product, or selected versions of this product, meet the standards listed below. Please consult factory for your specific requirements.



COMPLIANCE

- DLC Premium
- ETL/cETL listed(UL-1598-C)
- LM-79 & LM-80 tested
- CE & RoHS available
- Design & Utility Patents

FEATURES

- Upgraded unique and uniform modular design
- Enhanced performance
- High output Nichia LEDs deliver over 125 lumens per watt
- Superior illumination performance
- Reduces energy consumption up to 85%
- Excellent thermal management ensures long life
- Quick and easy installation
- L70 \geq 200,000 hours at 40°C (Tc), compliant with IESNA TM-21
- Adjustable brackets for retrofit a majority of fixtures

PROTECTIONS

- Short Circuit
- Over Current
- Over Voltage
- Over-temperature with auto-recovery

WARRANTY

- 5-year limited LED driver, 10-year limited LED engine

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SPECIFICATIONS

Model No.	GI-5RFK-45
Input Power	45 W
Input Voltage	100-277 Vac, 50/60 Hz
LED Source	Nichia LEDs
Color Temp.	4000K / 4500K / <u>5000K is standard</u>
CRI	≥73
Beam Angle	120 degree
Power Factor	>90%
THD	<10%
Driver	Mean Well Driver
Capability	0-10V dimming is available
Photocell Sensor	Available
Microwave Motion Sensor	Available
Materials	AL6063
Fan	Sunon Fan
Operating Temp.	-35°C to 55°C
Storage Temp.	-55°C to 65°C
Dimension	4.72"L x 4.72"W x1.97"H
Life Span	≥200,000 Hrs @ L70

*May be followed by additional suffix for options. Z = HV, blank; XX = any letter, number; Y = D, blank; when Z = blank, A = P, blank; B = M, blank; Z = HV, A, B = blank. Also tested to CSA TIL B-79A.

ADDITIONAL OPTIONS

- 0-10V Dimmable driver
- Photocell Sensor 120-277Vac only
- Microwave Motion Sensor 120-277Vac only

Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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DLC ITEMS INFORMATION

DLC Model(s)	Rated Wattage (W)	Voltage (V)	CCT (K)	Light Output (lm)	Efficacy (lm/W)	CRI	Dimming	DLC Classification
GI-5RFK-45-40 [P M or blank]	45	100-277	4000	5700	128	73	N/A	DLC Premium
GI-5RFK-45-40-D [P M or blank]	45	100-277	4000	5700	128	73	Dimming	DLC Premium
GI-5RFK-45-45 [P M or blank]	45	100-277	4500	5705	128	73	N/A	DLC Premium
GI-5RFK-45-45-D [P M or blank]	45	100-277	4500	5705	128	73	Dimming	DLC Premium
GI-5RFK-45-50 [P M or blank]	45	100-277	5000	5714	128	73	N/A	DLC Premium
GI-5RFK-45-50-D [P M or blank]	45	100-277	5000	5714	128	73	Dimming	DLC Premium

DLC Premium is a higher-performance classification for luminaires and retrofit kits. Products submitted to the DLC Premium classification must meet higher efficacy and lumen maintenance requirements. In addition to an L70 requirement of $\geq 50,000$ hours, products submitted to the DLC Premium classification will need to meet an L90 of $>36,000$ hours.

DesignLights™ Consortium Qualified.

Refer to www.designlights.org Qualified Products List under Family Models for details.



ORDERING INFORMATION

Typical Order Example: GI-5RFK-45-50

Family	Wattage	Voltage	CCT	Option1	Option2	Option3
GI-5RFK	30 = 30W 45 = 45W 60 = 60W 75 = 75W 100 = 100W 120 = 120W 150 = 150W 200 = 200W 280 = 280W 320 = 320W 350 = 350W	L = 100-277V H = 347 - 480V	40= 4000K 45 = 4500K 50 = 5000K	D= 0-10V Dimming Blank= non dimming	P= Photocell Blank= No Photo cell	M= Microwave Motion Sensor Blank= no Motion Sensor

Notes:

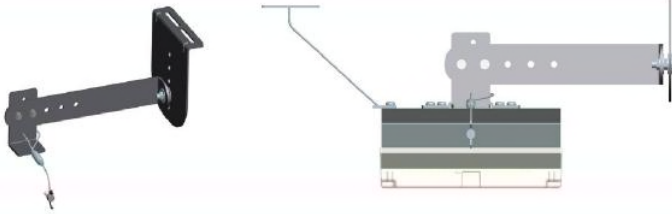
1. All models with ETL/cETL on 100-277V & 347-480V.
2. All models with DLC premium on 100-277V.
3. 30W, 45W, 60W without DLC certificate on 347-480V.
4. Photocell Sensor running on 120-277V.
6. Microwave Motion Sensor running on 120-277V.

For more information please consult your sales representative.

INSTALLATIONS

With various mounting brackets, the kits could retrofit a majority of fixtures whether it is a vertical or horizontal installation, for example: Street light fixtures, Shoebox fixtures, Wall pack fixtures, Flood light fixtures, Canopy fixtures, and High bay fixtures, etc.

HORIZONTAL MOUNTING: USING "L " BRACKET



Suitable for Shoebox/Wall Pack such type of fixtures.
The existing reflector **MUST** be removed.

VERTICA MOUNTING: USING "FLAT PLATES " BRACKET



Suitable for High Bay/Low Bay such type of fixtures.

APPLICATIONS

