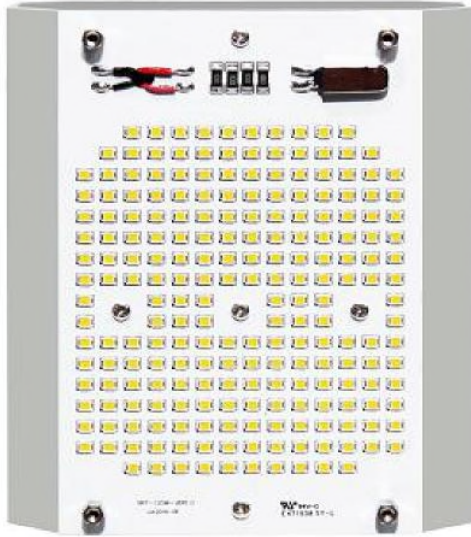


## Quality – Our Top Priority !

### 5<sup>th</sup> Generation LED Retrofit Kits



#### GI-5RFK-120 Series

120W 100-277V 15,236lm 132lm/W 5000K

120W 347-480V 15,236lm 132lm/W 5000K

One of the original designer and leading manufacturer of LED retrofit kits in China. They have both Design & Utility Patents.

The 5<sup>th</sup> 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.



#### 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 over 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



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



## SPECIFICATIONS

Model No.	GI-5RFK-120
Input Power	120 W
Input Voltage	100-277 Vac, 347-480Vac, 50/60 Hz
LED Source	Nichia LEDs
Color Temp.	4000K / 4500K / <b>5000K Standard</b>
CRI	≥73
Beam Angle	120 degree
Power Factor	>90%
THD	<10%
Driver	Mean Well Driver
Capability	0-10V dimmable 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	6.10"L x 5.12"W x 1.97"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

**DLC ITEMS INFORMATION**

DLC Model(s)	Rated Wattage (W)	Voltage (V)	CCT (K)	Light Output (lm)	Efficacy (lm/W)	CRI	Capability	DLC Classification
GI-5RFK-120-40[-P -M or blank]	116	100-277	4000	14993	130	73	N/A	DLC Premium
GI-5RFK-120-40-D[-P -M or blank]	116	100-277	4000	14993	130	73	Dimming	DLC Premium
GI-5RFK-120-45[-P -M or blank]	116	100-277	4500	15109	131	73	N/A	DLC Premium
GI-5RFK-120-45-D[-P -M or blank]	116	100-277	4500	15109	131	73	Dimming	DLC Premium
<b>GI-5RFK-120-50[-P -M or blank]</b>	<b>116</b>	<b>100-277</b>	<b>5000</b>	<b>15236</b>	<b>132</b>	<b>73</b>	<b>N/A</b>	<b>DLC Premium</b>
<b>GI-5RFK-120-50-D[-P -M or blank]</b>	<b>116</b>	<b>100-277</b>	<b>5000</b>	<b>15236</b>	<b>132</b>	<b>73</b>	<b>Dimming</b>	<b>DLC Premium</b>
GI-5RFK-120-HV-40	116	347-480	4000	14993	130	73	N/A	DLC Premium
GI-5RFK-120-HV-40-D	116	347-480	4000	14993	130	73	Dimming	DLC Premium
GI-5RFK-120-HV-45	116	347-480	4500	15109	131	73	N/A	DLC Premium
GI-5RFK-120-HV-45-D	116	347-480	4500	15109	131	73	Dimming	DLC Premium
<b>GI-5RFK-120-HV-50</b>	<b>116</b>	<b>347-480</b>	<b>5000</b>	<b>15236</b>	<b>132</b>	<b>73</b>	<b>N/A</b>	<b>DLC Premium</b>
<b>GI-5RFK-120-HV-50-D</b>	<b>116</b>	<b>347-480</b>	<b>5000</b>	<b>15236</b>	<b>132</b>	<b>73</b>	<b>Dimming</b>	<b>DLC Premium</b>

\*5000K is Standard!

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 ≥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](http://www.designlights.org) Qualified Products List under Family Models for details.



**ORDERING INFORMATION**

Typical Order Example: GI-5RFK-120-50

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:**

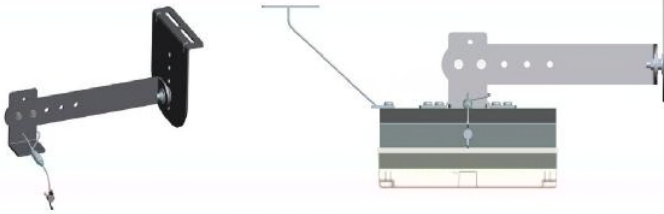
1. All models with ETL/cETL on 100-277V & 347-480V.
2. All models with DLC premium on 100-277V.
3. 30W, 45W, 60W without DLC certificate on 347-480V.
4. Photocell Sensor running on 120-277V.
6. Microwave Motion Sensor running on 120-277V.

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 should be removed.

### VERTICAL MOUNTING: USING "FLAT PLATES" BRACKET



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

## APPLICATIONS

