

# GT LED LIGHTS

Down Lights Series

Innovative specification grade fixtures  
utilizing today's most energy efficient  
light sources



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## Down Lights Series

Get Technologies LED down light has the traditional down light advantages, its special advantage place is easy to maintain, more energy-efficient, low heat and long service life. Light-weighted, easy to recess in any ceiling. With separable connector, easy to install and replace. Perfect frame and side design, no leakage, protect eyesight. With a locking design on connector for safety concern. LED down lights structure is simple, there is a major component of the lamp body shell, power supply and LEDs.



### Applications

- Office Lighting
- Residential Lighting
- Shopping Malls and Super Market Lighting
- Hotel and Restaurants Lighting
- Educational Institutes Lighting
- Hospitals and Health Care Units Lighting
- Petroleum & Gas Station Lighting
- Retail & Grocery Lighting
- Museum Lighting





## Specifications

Item Code:	GTFP8-RDL	GTFP12-RDL	GTFP18-RDL	GTFP24-RDL
Total System Consumption (W):	8	12	18	24
Working Voltage:	AC 85 ~265V			
Power Factor:	>0.90			
Total Harmonic Distortion(THD):	< 20%			
Driver :	Constant current Driver			
Luminair Luminous Flux(Lm):	800	1200	1800	2400
LED Chip used:	SMD 2835			
Color Temperature:	Warm White, Cool White(3000-3500K/6000-6500K)			
Junction Temperature:	< 80 °C			
Working Temperature:	- 40 °C ~+55 °C			
Working Relative Humidity:	10-90%			
CRI:	>80			
Classifications:	IP 20			
Fixture Material:	Housing: Die cast Aluminum PCB: MCPCB Sheet: Acrylic Milky Sheet			
Installation	Recessed/False Ceiling			
Fixture Color:	White			
Life Span:	> 50,000 hours(70% lumen maintenance @Ta=35°C)			
Product weight:	150g	200g	250g	300g

## Unique Features/BOQ Specifications

**Power Tolerance Range:** Driver input voltage range is 85~265V

**Operating Ambient Temperature:** Light can perform at -40°C~+55°C

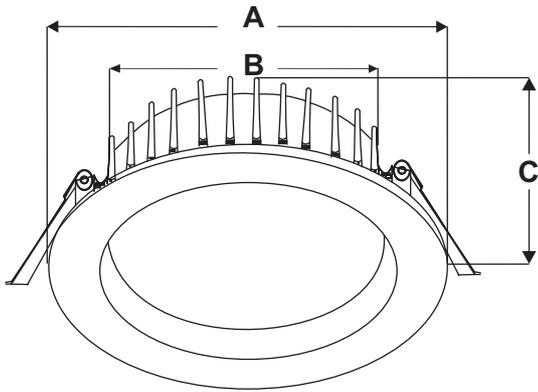
**Driver Power Quality:** Power Factor is >0.90 and THD<20%

**LED Chip:** SMD 2835

**Light Efficiency:** Very high luminous efficiency i.e 140-160 Lm/Watt

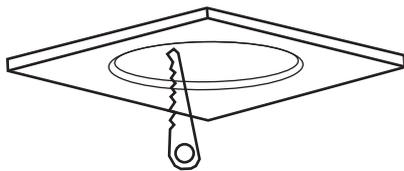


## Dimensional Drawings

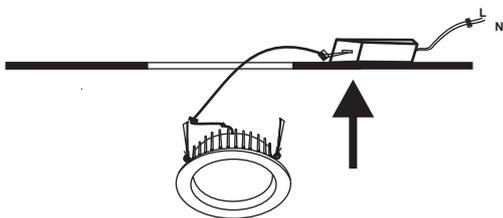


Product Code	A (mm)	B (mm)	C (mm)
GTFP08-RDL	90	70	26
GTFP12-RDL	120	100	26
GTFP18-RDL	170	150	26
GTFP24-RDL	225	205	26

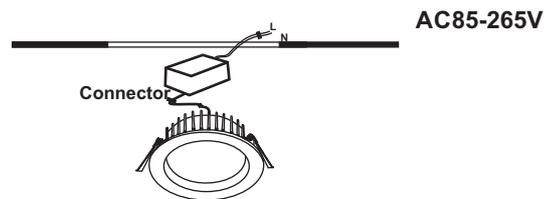
## Installation Drawing



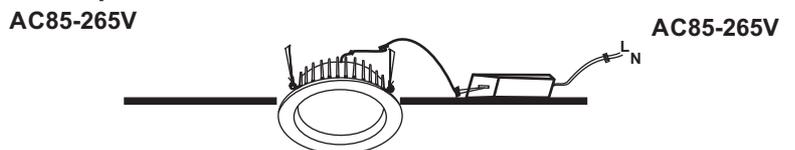
- ① Make the hole in the false ceiling according to the lamp size



- ③ Press the lamp springs up word and adjust the lamp in the false ceiling hole



- ② Connect the lamp and driver connector and connect the driver with the main power source



- ④ Finally adjust properly the lamp in the finished way



## Features & Benefits

**Energy Saving:** Saves Energy 70% as compare to conventional Down Lights.

**Longer Time:** Lifetime reaches 50,000 Hours at L70, which requires no lamp replacement.

**Low Maintenance Cost:** Longer life ensures low maintenance with no need of internal cleansing as well as tool less opening of gear compartment and gear tray make easy the maintenance.

**Input Voltage Tolerance Range:** Bear voltage fluctuations as low as 85V and as high as up to 265V.

**Ambiance:** Create more beautiful ambiance than HPS and Mercury lamp.

**Environmentally Friendly:** There are no IR and UV rays as well as in LED Lighting there is no toxic chemicals like that found in traditional incandescent, fluorescent and HID lighting like- arsenic, mercury, lead, carbon dioxide or phosphorous.

**Project Total Cost Reduction/ Cable Cost Saving:** Due to low power consumption thinner wire is used which saves the cable cost.

**Instant Lighting & Frequent Switching:** LED lights brighten up immediately and when powered on, which has great advantages for infrastructure projects. Also frequent switching in conventional lights consume more electricity.

**Produces less glare:** LED Lighting has higher productivity, less ill glare and safety.

**Compatibility with Solar System:** LED lights are compatible with solar system due to low power consumption.

**Billing Slab Difference:** Billing slab differential ( less unit usage, less billing ) .The higher unit usage has higher tariff rates.

**Power Factor Improvement:** Get Technologies LED lights power factor is near to unity so there are no power losses.

**CO<sub>2</sub> Emission Reduction:** Under Kyoto protocol it has been estimated that LED Lights reduces much more CO<sub>2</sub> as compared to conventional Lights.

**Generator /Fuel Saving:** Now longer periods possible on UPS as the power drawn by LED light is much lesser so low capacity generator is required than higher.



# GetTechnologies<sup>TM</sup>

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