

Modular Series LED Downlight



Introduction



Frosted Lens



Clear Lens

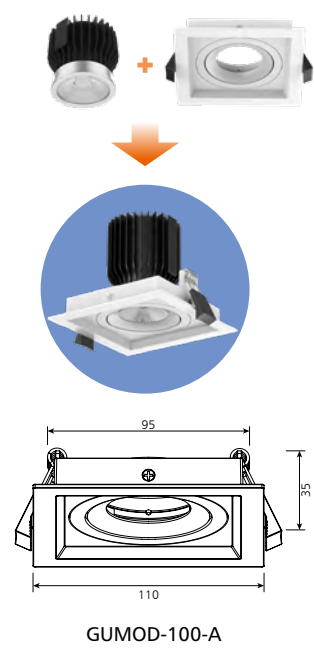
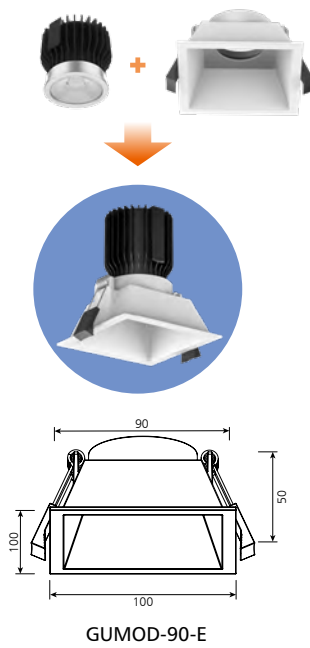
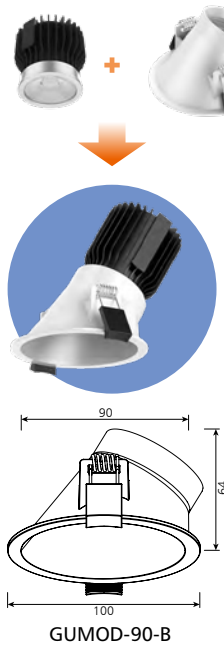
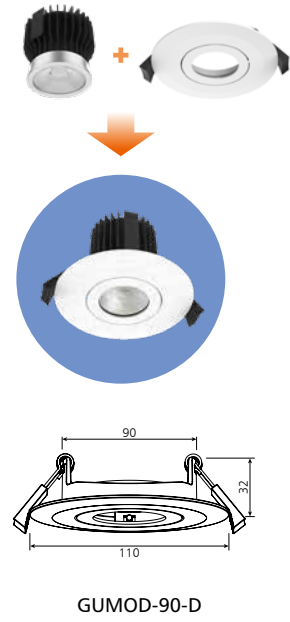
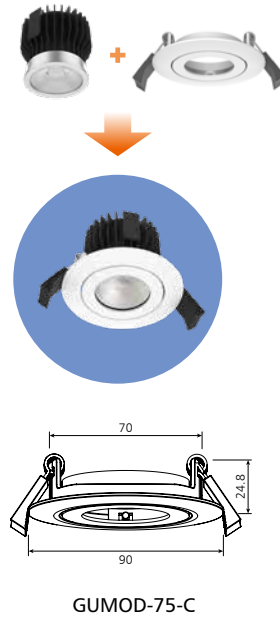
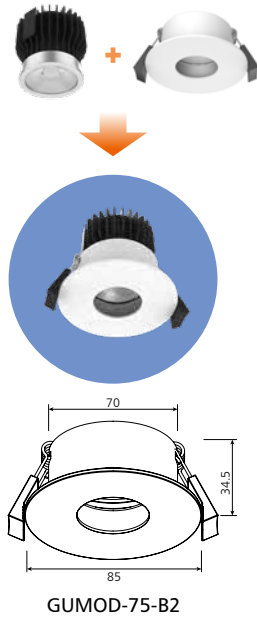
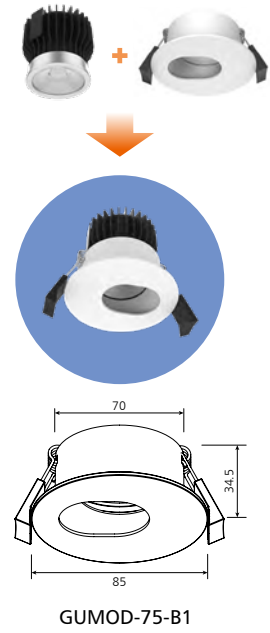
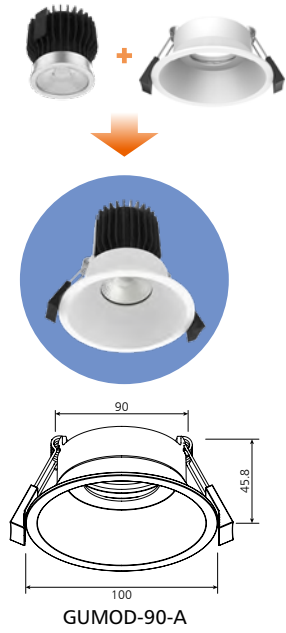
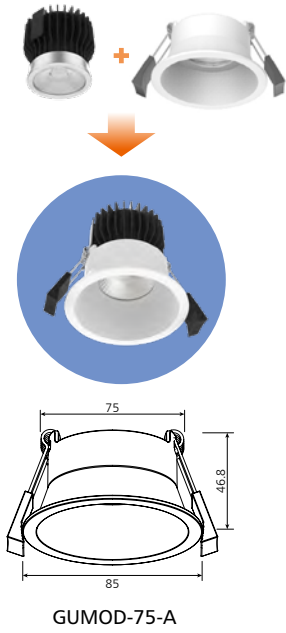
Modular Series is a trim cover exchangeable modular downlight. The modular come with two optional optical modules: reflector type and lens type. It can be switched by end user directly, 36° and 60° beam angle available for each type.

Features

1. AL6063 Aluminum heat sink provides excellent heat dissipation.
2. Modular design, the trim cover can be changed easily into different type.
3. The modular come with two optional optical types. 36° and 60° beam angle available for each type.
4. Adopts high quality Citizen COB LED, with high CRI, packs high lumen output, which can perfectly present the colour of the object.

Application Areas

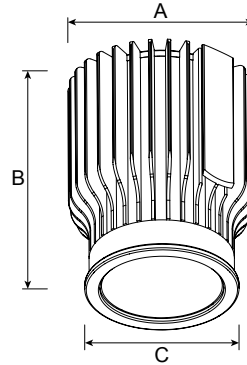
It is designed for general lighting applications in office, supermarket, shop, school, hotel, etc. It is also widely used for public areas, such as stairway, lobby, reception, corridors etc.





Measurement

| Model | Dimension(mm) | | | Size(mm) |
|-----------|---------------|----|----|----------|
| | A | B | C | |
| GUMOD-10W | 60 | 61 | 50 | Ø50*61 |
| GUMOD-13W | 60 | 61 | 50 | Ø50*61 |
| GUMOD-18W | 60 | 81 | 50 | Ø50*81 |



Technical Data Sheet

| Model No. | | | GUMOD-10W | GUMOD-13W | GUMOD-18W |
|-------------------------|-------|---------|--------------------------------------|-----------|-----------|
| Watt(W) | | | 10W | 13W | 18W |
| Dimension(mm) | | | Ø50*61 | Ø50*61 | Ø50*81 |
| Input Voltage(V) | | | AC230V | | |
| Rated Input Voltage(V) | | | AC220-240V | | |
| LED | | | COB | | |
| SDCM | | | <6 | | |
| CCT(K) | | | 1-CCT: 2700K / 3000K / 4000K / 5000K | | |
| "Luminous Flux (lm) ±5% | 1-CCT | DIM | 890-960 | 1180-1420 | 1900-2100 |
| | | Non-DIM | 900-1000 | 1200-1490 | 1930-2130 |
| CRI | | | ≥80 (≥ 90 Optional) | | |
| Beam Angle (°) | | | 36°/60° | | |
| LED Driver | | | Built-out | | |
| DIM | | | Triac | | |
| Protection Class | | | Class II | | |
| IP Rating | | | IP20 | | |
| Finishing color | | | Black RAL 9005 | | |
| Material | | | PMMA / Aluminium | | |
| Lifetime (hr) | | | 50,000 | | |
| Glow wire test (°C) | | | 650°C | | |
| Operating Temp.(°C) | | | -20°C ~40°C | | |
| Storage Temp.(°C) | | | -20°C ~65°C | | |
| Installation | | | Recessed | | |
| Brand Driver option | | | Philips, Tridonic, Meanwell | | |

Driver Datasheet (Non-Dimmable)

| Power | 10W | 13W | 18W |
|-----------------------------|------------|----------|----------|
| Rated Input Voltage(V) | AC230V | | |
| Frequency | 50/60Hz | | |
| Input Voltage | AC220-240V | | |
| Efficiency | ≥82% | ≥83% | ≥84% |
| Total load wattage | 10W±1W | 13W±1W | 18W±1W |
| Power Factor | 0.9 | | |
| Rated Input Current | ≤0.06A | ≤0.07A | ≤0.1A |
| Full load output voltage | DC28-40V | DC28-40V | DC28-40V |
| Rated output current | 230mA | 300mA | 450mA |
| Output current range | 230mA±5% | 300mA±5% | 450mA±5% |
| Power tolerance | ±5% | | |
| Current output tolerance | ±5% | | |
| Short circuit protection | PASS | | |
| Over voltage protection | PASS | | |
| Over temperature protection | PASS | | |
| THD | - | | |
| Surge | L-N 500V | | |
| Withstand voltage | AC3750V | | |

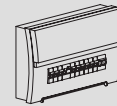
Driver Datasheet (Triac Dimmable)

| Power | 10W | 13W | 18W |
|-----------------------------|-------------|----------|----------|
| Rated Input Voltage(V) | AC230V | | |
| Frequency | 50Hz | | |
| Input Voltage | AC200-240V | | |
| Efficiency | ≥80% | ≥82% | ≥85% |
| Total load wattage | 10W±1W | 13W±1W | 18W±1W |
| Power Factor | 0.9 | | |
| Rated Input Current | ≤0.06A | ≤0.08A | ≤0.1A |
| Full load output voltage | DC23-40V | DC23-40V | DC23-40V |
| Rated output current | 230mA | 280mA | 430mA |
| Output current range | 230mA±5% | 280mA±5% | 430mA±5% |
| Power tolerance | ±5% | | |
| Current output tolerance | ±5% | | |
| Dimming Range | 8%-100% | | |
| Short circuit protection | PASS | | |
| Over voltage protection | PASS | | |
| Over temperature protection | PASS | | |
| THD | <20% @ 230V | | |
| Surge | L-N 500V | | |
| Withstand voltage | AC3750V | | |

Installation Procedure

WARNING ⚡

1. Switch off power supply before installation / maintenance.
2. Switch on after completing installation and examination of the circuit.
3. The downlight must be installed and maintained by professional electrician.

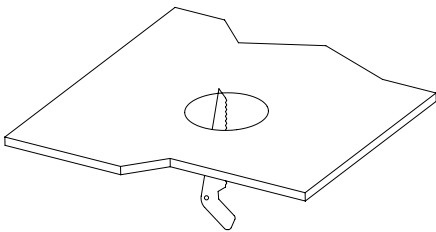


Turn Off
Power Supply

Turn off power supply before installation. Read instructions and make sure you have all the tools and accessories before installation.

Installation

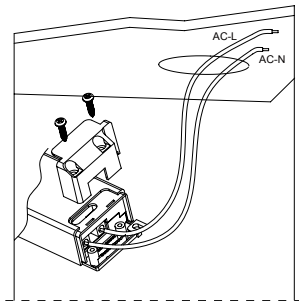
Step 1



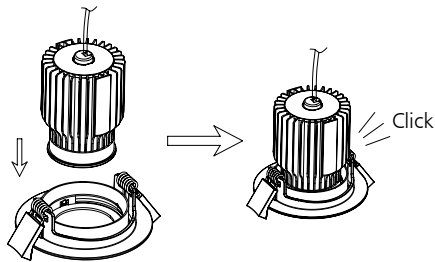
Open a hole according to the cutout size of LED downlight.

Step 2

Use screw-driver to open the driver terminal cover, feed the main AC wire L. N. in terminal block respectively, then fix the cover back.



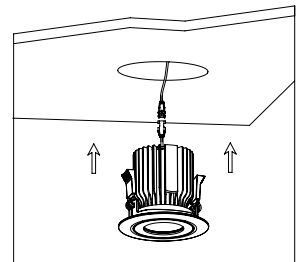
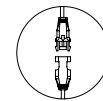
Step 3



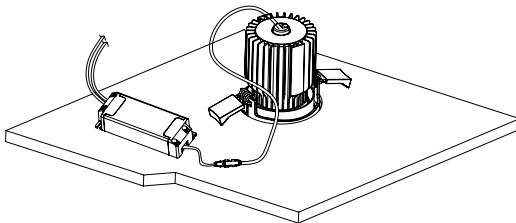
Insert the module into the trim cover.

Step 4

Connect the downlight with driver, hold back the spring clip then push the downlight into the hole.












Step 5



Make sure the downlight fixed tightly in ceiling, turn on the power.

Measurement

| | Model | Cutout(mm) |
|---|-------------|------------|
|  | GUMOD-75-A | Ø75-80 |
|  | GUMOD-90-A | Ø90-95 |
|  | GUMOD-75-B1 | Ø70-80 |
|  | GUMOD-75-B2 | Ø70-80 |
|  | GUMOD-90-B | Ø90-95 |
|  | GUMOD-75-C | Ø70-80 |
|  | GUMOD-90-D | Ø90-95 |
|  | GUMOD-90-E | 90-95 |
|  | GUMOD-100-A | 95-100 |