



## Integral ILDL160-65G005 Multi Fit Edge LED Downlight with PIR Sensor User Manual

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The logo for Integral, featuring the word "integral" in a bold, italicized, black sans-serif font, with a small red dot above the letter 'i'.

**Integral ILDL160-65G005 Multi Fit Edge LED Downlight with PIR Sensor**



## **Product Information:**

The Integral LED Multi-fit downlight is available in various models with different product codes and 6 digit codes. It can be installed either as a cut-out mount or surface mount, depending on the user's preference. The cut-out sizes for the downlights vary from 65mm to 205mm or 65mm to 160mm, depending on the model. It is essential to ensure that the AC/mains power is not connected during installation and cannot be unexpectedly reconnected during installation.

## **Product Usage Instructions:**

### **Cut-Out Mount:**

1. Ensure the AC/mains power is not connected and cannot be reconnected during installation.
2. Set the springs to match an existing cut-out or cut a new hole to fit the chosen positioning of the springs. The cut-out can be between 65 and 205mm or 65 and 160mm depending on the model.
3. Install the springs into the bracket. Ensure springs are in the correct orientation. Twist the bracket 35 degrees so it locks into place on the back of the product. Set the springs to the measured distance of your cut-out following the marks as indicated on the bracket. Ensure the springs stay in a suitable position according to the cut-out.
4. Feed the cable through the central hole in the bracket.
5. Connect the AC/mains cable to the cable from your downlight using a suitable connector (connection box will require strain relief for all cables). When ready, push the springs vertically and present the downlights to the cut-out hole. Place the downlight into the cut-out, ensuring that the cables are not trapped.
6. Check connections and switch power ON when safe to do so.

### **Surface Mount:**

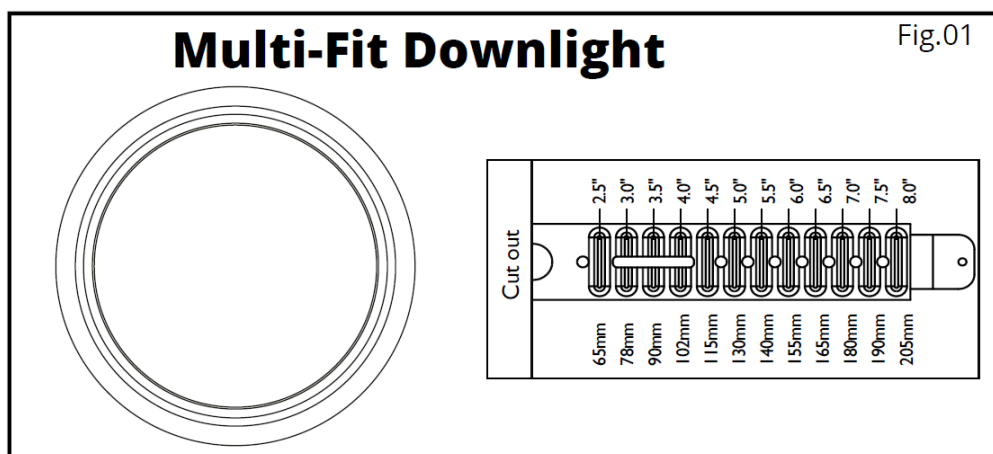
1. Ensure the AC/mains power is not connected and cannot be reconnected during installation.
2. To surface mount this product, you will need access to the AC/mains cable in your ceiling or wall. Ensure you have a workable length of mains cable for your installation.
3. Fix the downlight bracket onto the surface, ensuring that the fixing tabs are facing out. (Note: you will not require the spring clip assemblies for this method of mounting, please remove them from the bracket).
4. Connect the AC/mains cable to the cable from your downlight using a suitable connector. This product is supplied without a connector. We recommend using the WAGO 221 connector. These are minimal height connectors and provide a maintenance-free connection.
5. Take note that all the cables and connectors have to fit in the void at the back of the product, so they do not

impede the product mounting.

**Note:** Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority for recycling advice.

## INSTALLATION INSTRUCTIONS

### Integral LED Multi-fit



Integral Product Code	6 Digit Code	Dimension
ILDL160-65G005	60-86-69	Ø180mm x (H)15.5mm
ILDL160-65G006	07-80-90	Ø180mm x (H)15.5mm
ILDL205-65G007	53-22-68	Ø230mm x (H)22mm
ILDL205-65G008	94-79-93	Ø230mm x (H)22mm
ILDL205-65G009	38-13-51	Ø230mm x (H)22mm
ILDL205-65G003	92-61-72	Ø205mm x (H)65mm
ILDL205-65G004	35-34-87	Ø205mm x (H)65mm
ILDL205-65M001	73-77-43	Ø220mm x (H)18mm
ILDL205-65M002	79-00-29	Ø220mm x (H)18mm

Thank you for purchasing an INTEGRAL LED product. When installed correctly, this unit will provide years of service – with no bulb changes required. For support or warranty information, please see [integral-led.com](http://integral-led.com).

### Important Details – Please read prior to installation

Always ensure the AC/Mains power is not connected and cannot be unexpectedly reconnected during installation.

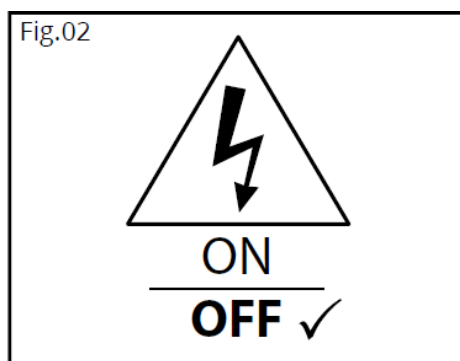
- This product must be installed by a qualified electrician in accordance with instructions provided and in compliance with recognized electrical and safety regulations relevant to the country it is being installed.
- The product and its integrated control gear are designed to operate on 220- 240V 50Hz.
- All downlight can be installed in a range of cut-outs or be surface-mounted with a bracket. (Or without a

bracket depending on the model).

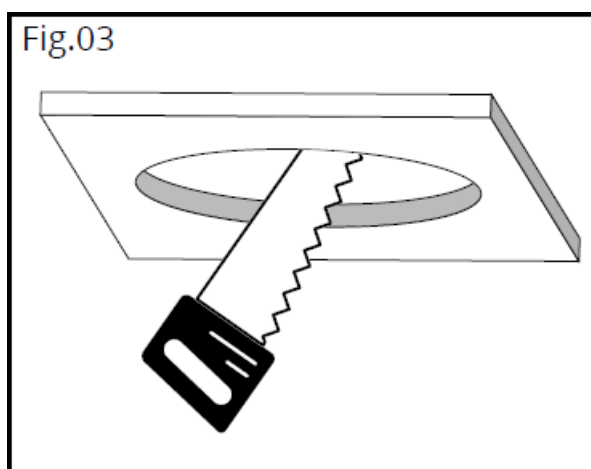
- This product is for indoor use only. It should not be covered with insulation material at any time.
- The product is supplied with an integrated 20-30cm length, 0.75mm<sup>2</sup>, stranded two core PVC cable. The cable LIVE (Brown) and NEUTRAL (Blue) cores are prepared suitable for connecting to suitable terminal connections. We advise on the use of WAGO 221 connectors for each core connection. An appropriate junction box with strain relief is required for cut-out mounting.
- Please read the operating instructions for models with selectable color, light-output or PIR Sensor, to make the settings before installation.

## Cut-Out Mount

1. Ensure the AC/mains power is not connected and cannot be reconnected during installation. (Fig. 02)

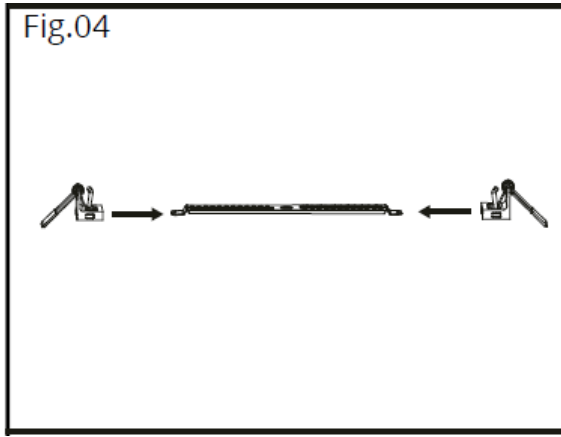


2. Set the springs to match an existing cut-out or cut a new hole to fit the chosen positioning of the springs. The cut-out can be between 65 and 205mm or 65 and 160mm depending on the model. (Fig. 03 & Fig. 04)



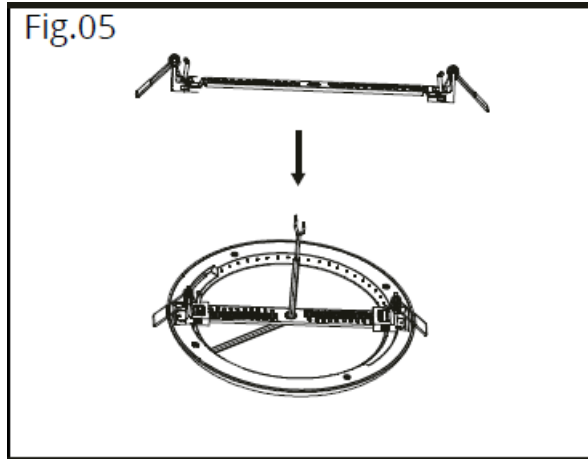
3. Install the springs into the bracket. Ensure springs are in the correct orientation. Twist the bracket 35 degrees, so it locks into place on the back of the product. Set the springs to the measured distance of your cut-out following the marks as indicated on the bracket. Ensure the springs stay in a suitable position according to the cut-out. (Fig. 04)

Fig.04



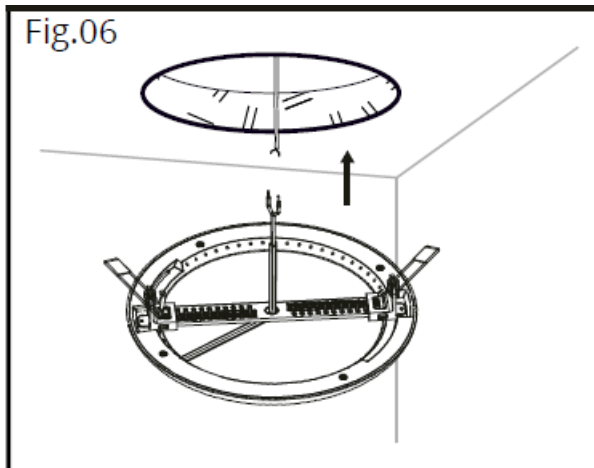
4. Feed the cable through the central hole in the bracket. (Fig. 05)

Fig.05



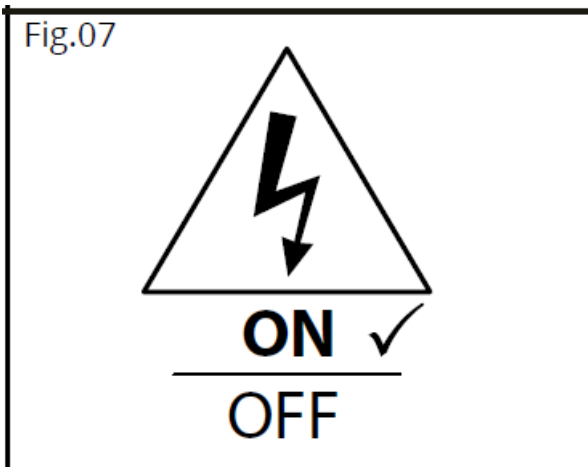
5. Connect the AC/mains cable to the cable from your downlight using a suitable connector (connection box will require strain relief for all cables). When ready, push the springs vertically and present the downlights to the cut-out hole. Place the downlight into the cut-out, ensuring that the cables are not trapped. (Fig. 06)

Fig.06



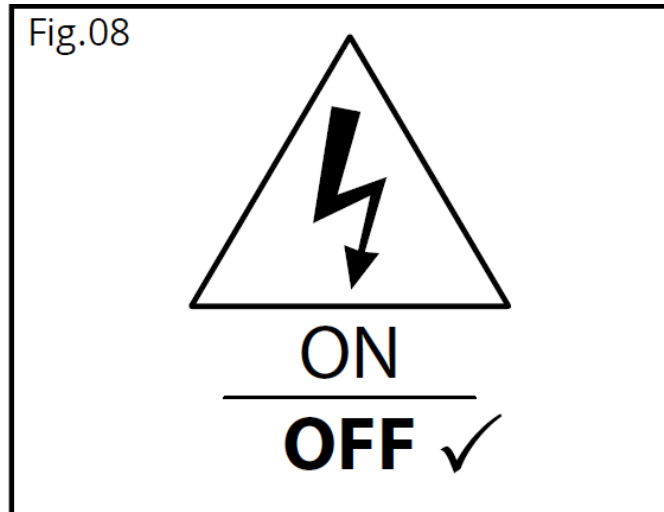
6. Check connections and switch power ON when safe to do so. (Fig. 07)

Fig.07

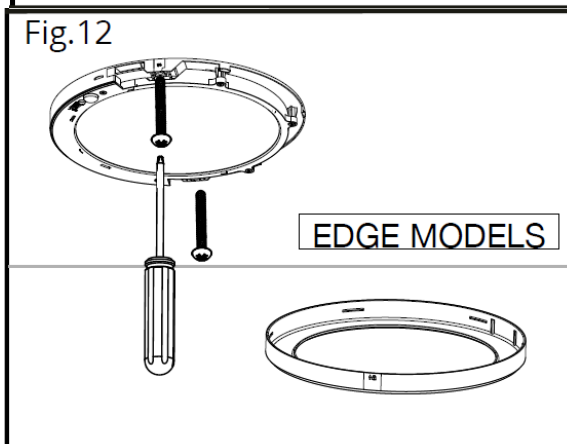
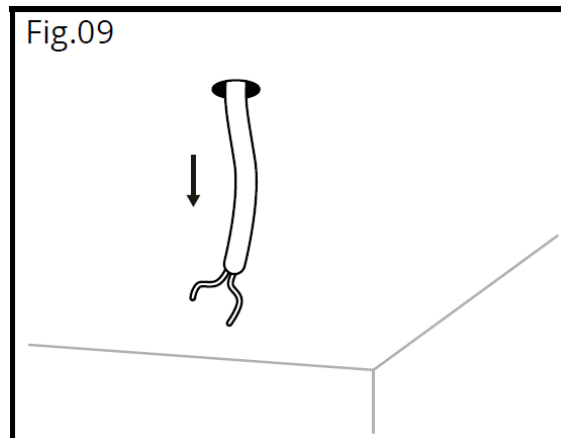


## Surface Mount

1. Ensure the AC/mains power is not connected and cannot be reconnected during installation. (Fig. 08)

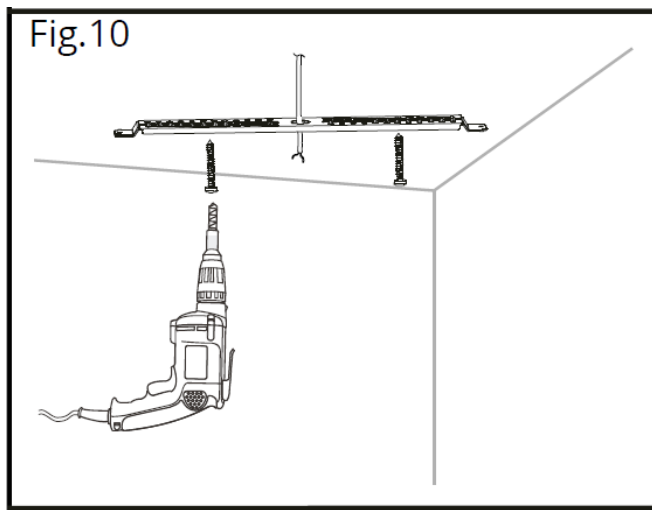


2. To surface mount this product you will need access to the AC/mains cable in your ceiling or wall. Ensure you have a workable length of mains cable for your installation. (Fig. 09) "EDGE" models can use a bracket or be directly surface-mounted using an appropriate screw fixing. (Fig. 12)

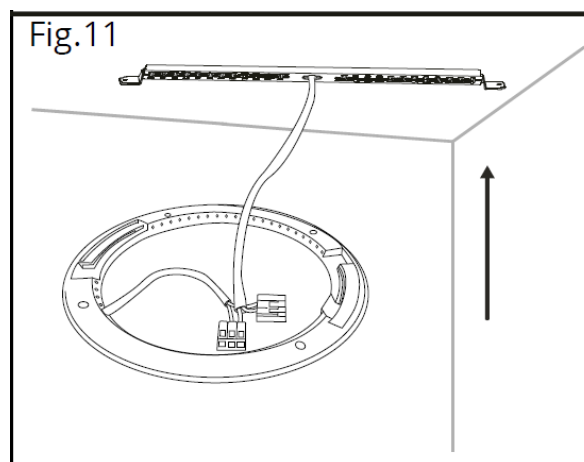


3. Fix the downlight bracket onto the surface, ensuring that the fixing tabs are facing out.

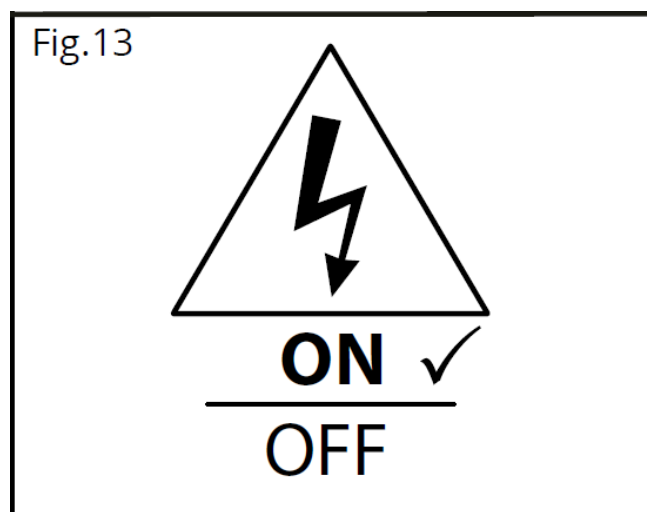
**(Note:** you will not require the spring clip assemblies for this method of mounting, please remove them from the bracket). (Fig. 10)



4. Connect the AC/mains cable to the cable from your downlight using a suitable connector. This product is supplied without a connector. We recommend using the WAGO 221 connector. These are minimal height connectors and provide a maintenance-free connection. (Fig. 11)



5. Take note that all the cables and connectors have to fit in the void at the back of the product, so they do not impede the product mounting.
6. When connection is made, twist the fitting 35° locking it into place onto the fixed bracket. Take care not to trap cables when twisting into place. Check connections and switch power ON when safe to do so. (Fig. 13)



WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.



Warranty/Technical and contact information are all available at [www.integral-led.com](http://www.integral-led.com)

Integral LED is a division  
of Integral Memory plc:  
Unit 6, Iron Bridge Close,  
Iron Bridge Business Park, London, NW10 0UF,  
UK Integral Europe BV, 2801 DG, NL

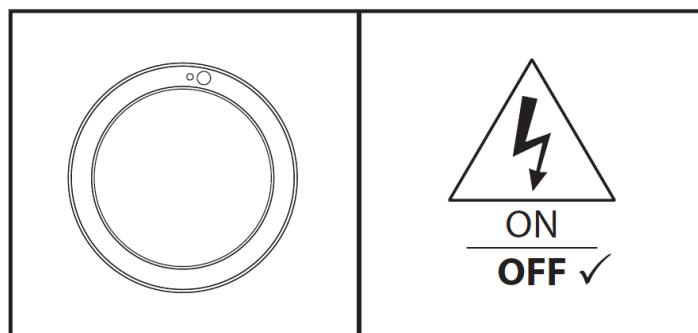
## OPERATING INSTRUCTIONS

### Integral LED Multi-fit

Multi-Fit Downlight Models with selectable color, light-output or PIR Sensor, ideally make settings before installation.

Follow instructions provided to install the downlight.

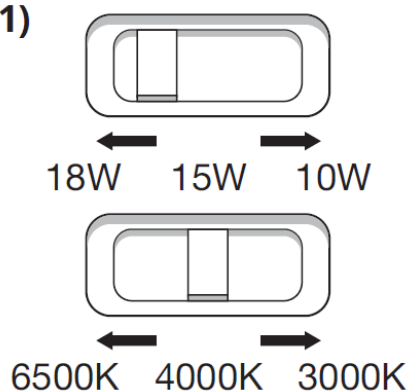
Always ensure the AC/Mains power is not connected and cannot be unexpectedly reconnected during installation.  
Safety first – if you unsure or not confident to proceed contact a qualified electrician.



### ILDL205 – 65G009 MULTI-FIT PLUS – CCT & WATTAGE SELECTABLE

1. Choose a color and light output to match your space from nine combinations. Color: 3000K = Warm White, 4000K = Cool White and 6500K = Daylight. (Fig. 1)

(Fig. 1)



#### Watts / 3000K / 4000K / 6500K

10W 950 lm 1100 lm 1000 lm

15W 1300 lm 1500 lm 1350 lm

18W 1500 lm 1700 lm 1550 lm

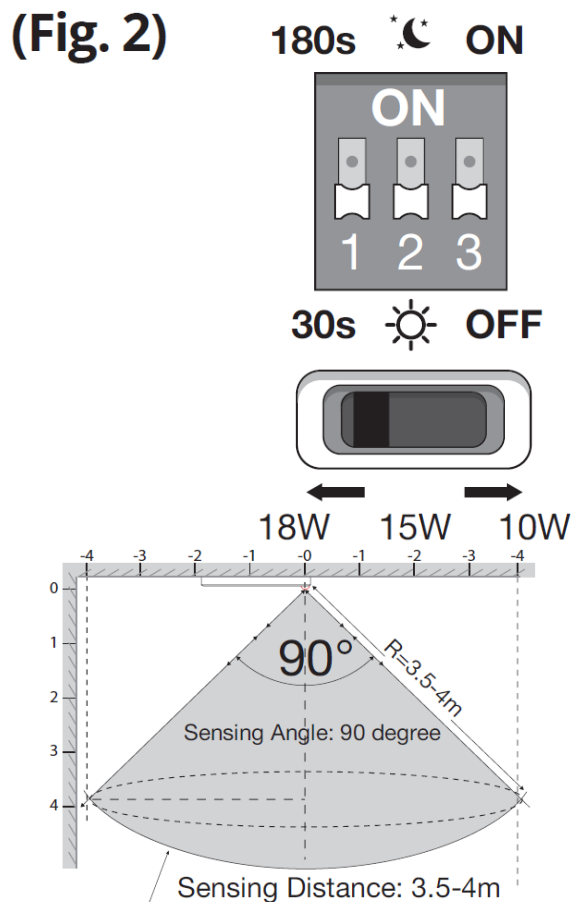
2. On the rear of the downlight, there are two selection switches. (Fig. 1)



3. Turn OFF the power and safely detach the downlight keeping the wiring intact. If cut-out mounted; carefully pull down the downlight and push the springs to remove. If surface-mounted on an installation bracket, carefully rotate (anti-clockwise) the downlight to remove. Ensure the wiring is safe.
4. Set the switches as required. Check connections and safely re-fit the downlight and turn ON the power when safe to do so. (Fig. 6)

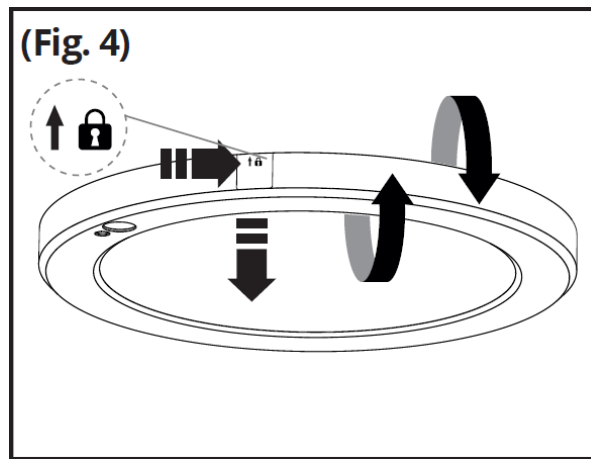
#### ILD205 – 65M002 MULTI-FIT EDGE SENSOR – PIR MOTION & WATTAGE SELECTABLE

1. Choose a light output (Fig. 3) to match your space and set a mode for the PIR sensor. The motion sensor has a sensing angle of 90 degrees and a sensing distance of 3.5 to 4 meters (Fig. 2 and below)

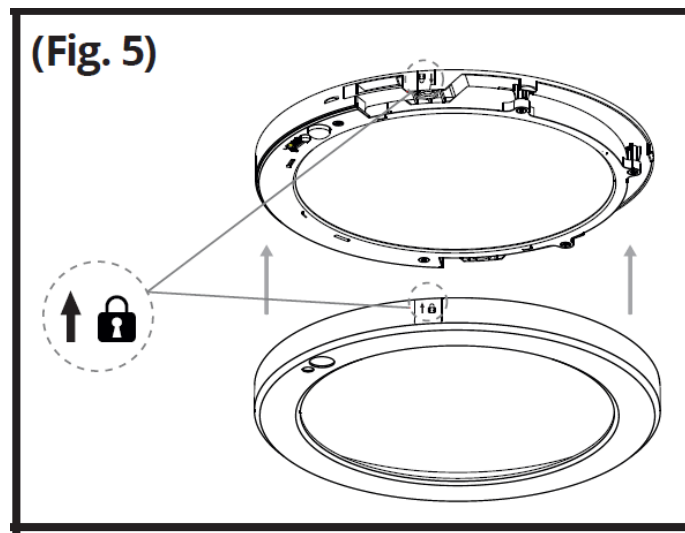


SWITCH	ON	OFF
1	<b>ON</b> for 180 seconds after <b>NO</b> motion detected	<b>ON</b> for 30 seconds after <b>NO</b> motion detected
2	<b>NIGHT MODE</b> – detect motion when <b>DARK</b>	<b>DAY MODE</b> – detect motion <b>ANYTIME</b>
3	Sensor <b>ON</b>	Sensor <b>OFF</b>

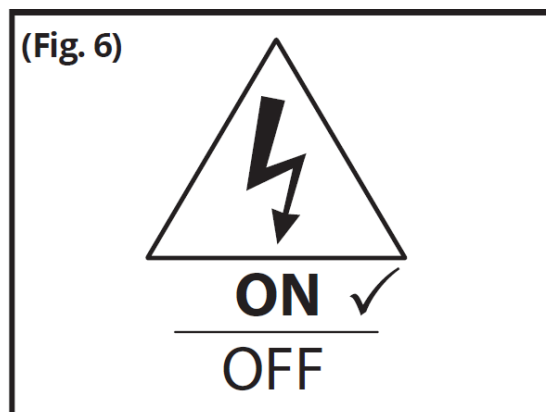
2. Under the bezel, there are two selection switches.
3. Turn OFF the power, and safely remove the bezel; find the “lock” icon on the side. (Fig. 4)



4. Press the icon and lift the bezel from the inner or outer side. (Fig. 4) Set the switches as required. Re-fit the bezel by matching the “lock” icons and sensors. (Fig. 5)



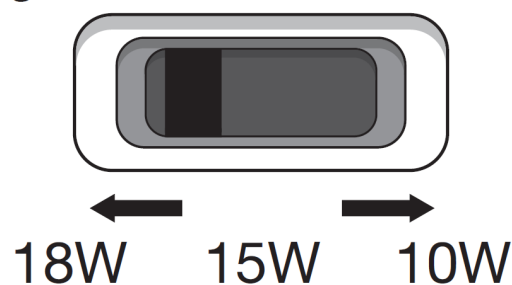
5. Turn power ON when safe to do so. (Fig. 6)



#### ILD205-65M001 – MULTI-FIT EDGE – WATTAGE SELECTABLE

1. Choose a light output (Fig. 3) to match your space. Under the bezel, there is a selection switch.

**(Fig. 3)**



## Watts

10W 950 lm

15W 1300 lm

18W 1500 lm

2. Turn OFF the power, and safely remove the bezel; find the “lock” icon on the side. (Fig. 1)
3. Press the icon and lift the bezel from the inner or outer side (Fig. 4) Set the switch as required. Re-fit the bezel by matching the “lock” icons. (Fig. 5)
4. Turn power ON when safe to do so. (Fig. 6)

WASTE ELECTRICAL PRODUCTS SHOULD NOT BE DISPOSED OF WITH HOUSEHOLD WASTE. PLEASE RECYCLE WHERE FACILITIES EXIST. CHECK WITH YOUR LOCAL AUTHORITY FOR RECYCLING ADVICE.

## Documents / Resources

	<a href="#">Integral ILDL160-65G005 Multi Fit Edge LED Downlight with PIR Sensor</a> [pdf] User Manual ILDL160-65G005, ILDL160-65G005 Multi Fit Edge LED Downlight with PIR Sensor, ILDL160-65G005, Multi Fit Edge LED Downlight with PIR Sensor, Downlight with PIR Sensor, ILDL160-65G006, ILDL205-65G007, ILDL205-65G008, ILDL205-65G009, ILDL205-65G003, ILDL205-65G004, ILDL205-65M001, ILDL205-65M002
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## References

- [Trusted Lighting Solutions | Integral LED](#)
- [Trusted Lighting Solutions | Integral LED](#)