



LED PRO-DISC MINI

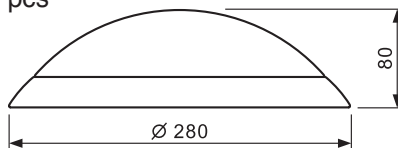
LED ENERGY SAVING BULKHEAD LIGHT

OPERATING INSTRUCTIONS



1. MAIN TECHNICAL INFORMATION

Power supply: AC 220-240V 50Hz
Light source: LED SMD 3014 100 pcs
Working temperature: -20°C - 50°C
IP Rating: IP21



2. CAUTION

The product must be installed by qualified electricians, and the power supply must be isolated before installation.

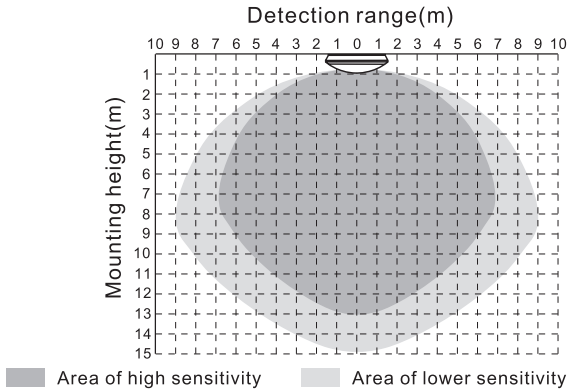
- The installation wiring must be at least 2 x 0.75mm².
- Do not touch the electronic circuit or its components.
- The LED light source cannot be replaced.

3. TECHNICAL INFORMATION

PRODUCT CODE	LED TYPE	INPUT POWER	LUMEN OUTPUT	SENSOR	MAX SLAVES
LED/PDM/10W/5K	SMD3014	11W	820lm	N	N/A
LED/ PDM/10W/5KMS	SMD3014	12W	820lm	Y	30

4. MICROWAVE SENSOR SPECIFICATION

- Detection angle: 30-150°
- Detection range: 12-18m (diameter) adjustable
- Time setting: 10 secs to 30 mins, adjustable
- Light control: 5-50 lux, adjustable or disable
- Mounting height: Max 12m



OPTIONAL FUNCTIONS - BY CHANGING THE CABLE CONNECTIONS

Option 1: Normal sensor light

Option 2: Hi-low light operated by sensor

Option 1 \

Brightness
0%



Sensor



Brightness
100%



Option 2 \

Brightness
20%



Sensor



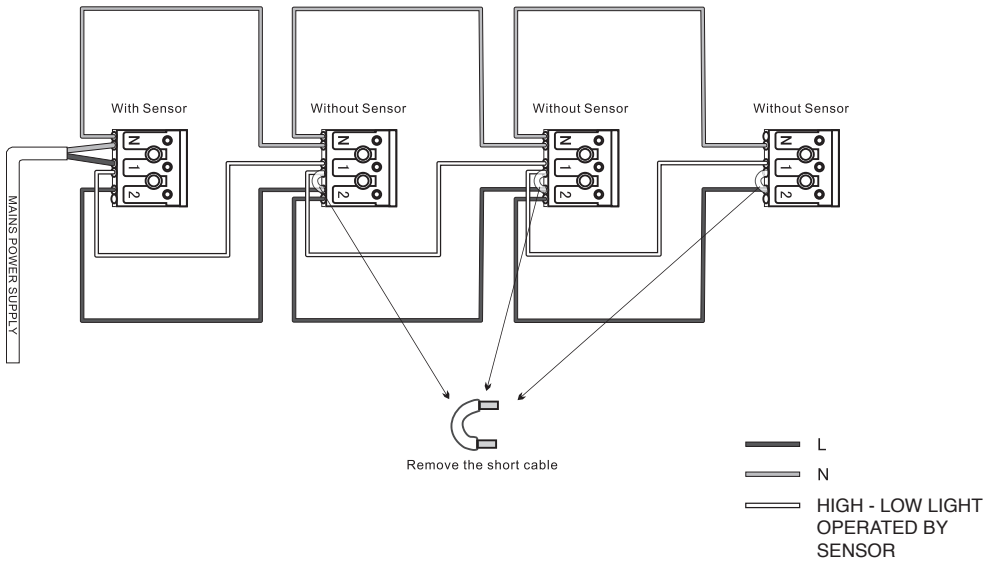
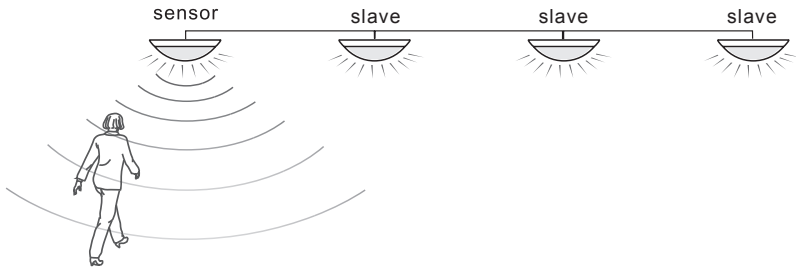
Brightness
100%



For wiring instructions see page 8.

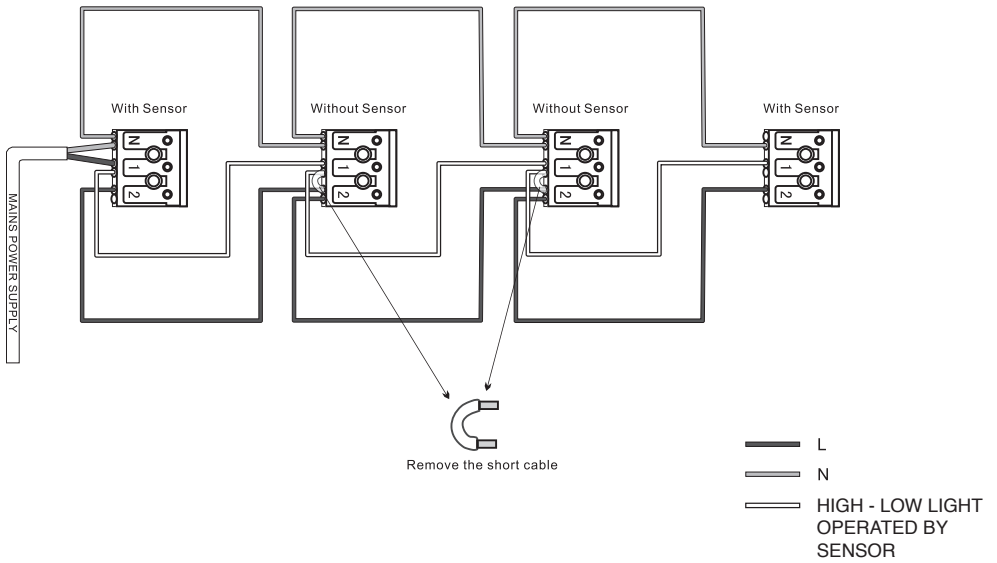
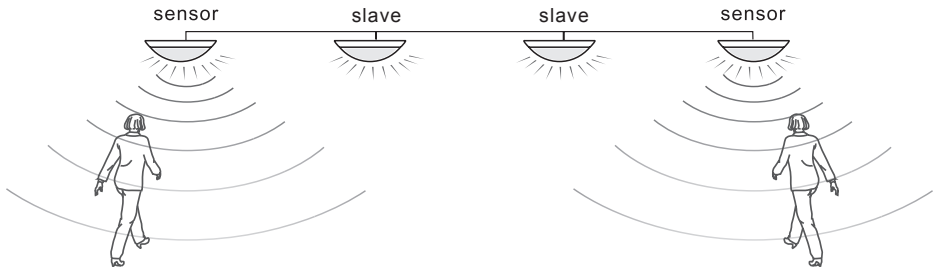
SLAVE FUNCTION A - SENSOR AT ONE END ONLY

Option A\

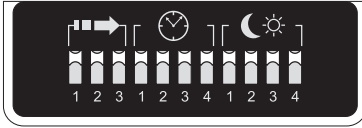


SLAVE FUNCTION B - SENSOR AT BOTH ENDS

Option B \



SETTING THE PARAMETERS OF THE MICROWAVE SENSOR



DETECTION RANGE SETTING (SENSITIVITY)

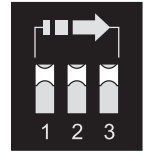
This determines the effective range of the motion detector and is set by DIP switches at the sensor itself. Note that reducing the sensitivity will also narrow the detection range.

The following settings are available:

- I - Detection range 100% (9m approx)
- II - Detection range 75% (7m approx)
- III - Detection range 50% (5m approx)
- IV - Detection range 25% (2m approx)
- V - Detection range 10% (1m approx)

Detection Area

	1	2	3	
I	●	●	●	100%
II	●	○	●	75%
III	○	○	●	50%
IV	○	●	○	25%
V	●	○	○	10%



TIME SETTING

This determines the time the fitting remains as 100% level on motion detection and is set with DIP switches as the sensor itself. The walk test setting is useful when installing the fitting to establish correct operation and range.

The following settings are available:

- I - 30 minutes
- II - 20 minutes
- III - 6 minutes
- IV - 90 seconds
- V - 30 seconds
- VI - 10 seconds (walk test)

Hold Time

	1	2	3	4	
I	●	●	●	●	30min
II	○	○	○	●	20min
III	○	○	●	○	6min
IV	○	●	○	○	90s
V	●	○	○	○	30s
VI	○	○	○	○	10s



LIGHT CONTROL SETTING

This allows the sensor to switch the unit on when ambient light is either full day light, low daylight, twilight or after dark. It also allows the sensor to be disabled.

The following settings are available:

- I - Photocell disabled
- II - 50 lux daylight operation (walk test)
- III - 30 lux daylight operation
- IV - 10 lux twilight operating
- V - 5 lux darkness operation only

Daylight Sensor

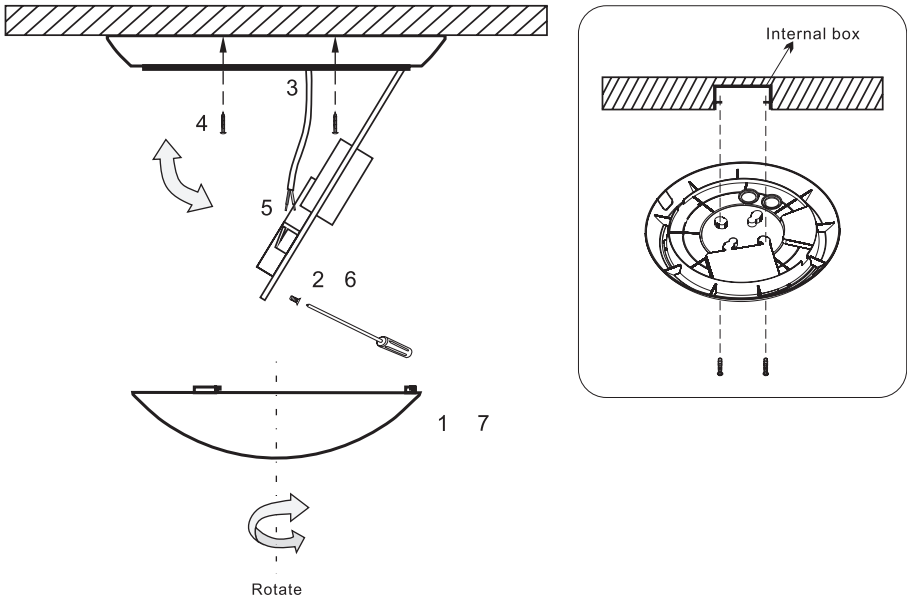
	1	2	3	4	
I	●	●	●	●	Disable
II	○	○	●	○	50Lux
III	○	●	○	○	30Lux
IV	●	○	○	○	10Lux
V	○	○	○	○	5Lux



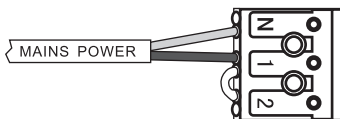
PLEASE SET 'DISABLE' TO HAVE HIGH-LOW LIGHT FUNCTION IN THE EVENING (See page 9)

5. MOUNTING

1. Remove the diffuser from the fitting by rotating as shown in the diagram.
2. Open the LED panel.
3. Pull in the power cord through the gasket (optional).
4. Fix the base on the surface with screws.
5. Connect the power cord to the terminal.
6. Close the LED panel.
7. Replace the diffuser.

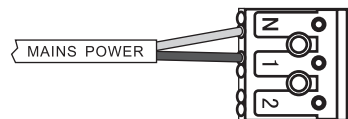


6. CABLE CONNECTION



Without Sensor

LED/PDM/10W/5K



With Sensor (switched live not required)

LED/PDM/10W/5KMS

7. WIRING OF THE LED DRIVER

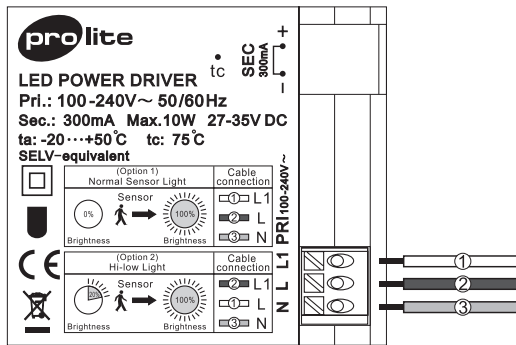
There are two functions available, setup by different wiring to the LED driver:

Option 1: Normal sensor light

When a person enters the detection range of the sensor, the unit will produce the maximum brightness according to your setup. After they leave the area the unit will switch off giving no light output.

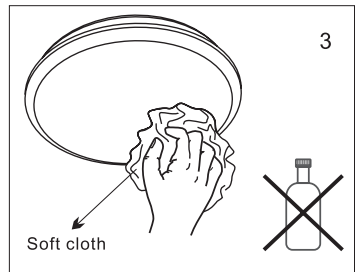
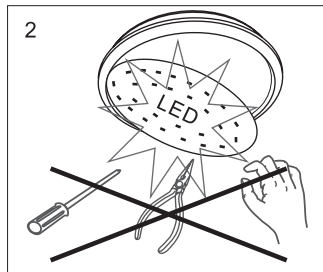
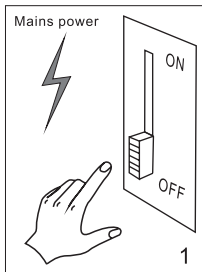
Option 2: High - low light operated by sensor

When a person enters the detection range of the sensor, the unit will produce the maximum brightness according to your setup. After they leave the area, the unit will dim down to 20% brightness.



MAINTENANCE OF THE UNIT

1. Disconnect the power supply.
2. Avoid touching the LED board while maintaining or cleaning.
3. Do not use chemical detergent to clean the fitting.



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