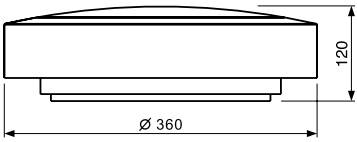
LED PRO-DISC PLUS

LED ENERGY SAVING BULKHEAD LIGHT

OPERATING INSTRUCTIONS

1. MAIN TECHNICAL INFORMATION

Power supply: AC 220-240V 50Hz
Light source: LED SMD 3014 200 pcs
Working temperature: –20ºC - 50ºC
IP Rating: IP65



2. CAUTION

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

- The installation wiring must be at lease 3 x 0.75mm^2.
- Do not touch the electronic circuit or its components.
- The LED light source cannot be replaced.

3. TECHNICAL INFORMATION

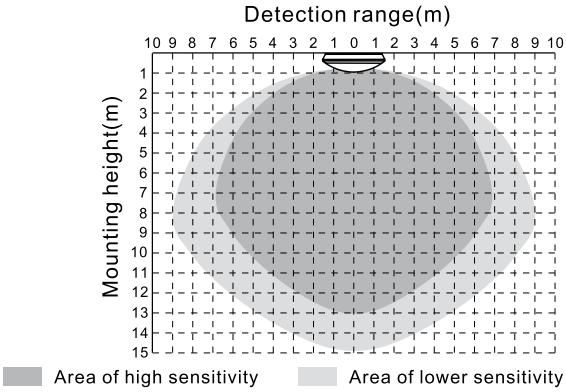
PRODUCT CODE	LED TYPE	INPUT POWER	LUMEN OUTPUT	SENSOR	MAX SLAVES
LED/PDIP/23W5K	SMD3014	23W	1360lm	N	N/A
LED/PDIP/23W5KMS	SMD3014	23W	1360lm	Y	14

ADDITIONAL INFORMATION FOR UNITS FITTED WITH OPTIONAL EMERGENCY KIT LED/PD

- 3 hour maintained duration
- 3W in emergency mode with 200lm
- Battery Ni-Cad SC1700mAh HT 7.2V

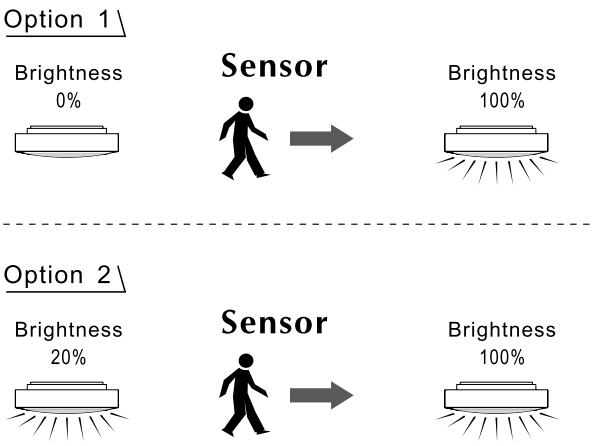
4. MICROWAVE SENSOR SPECIFICATION

- Detection angle: 30-150º
- 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

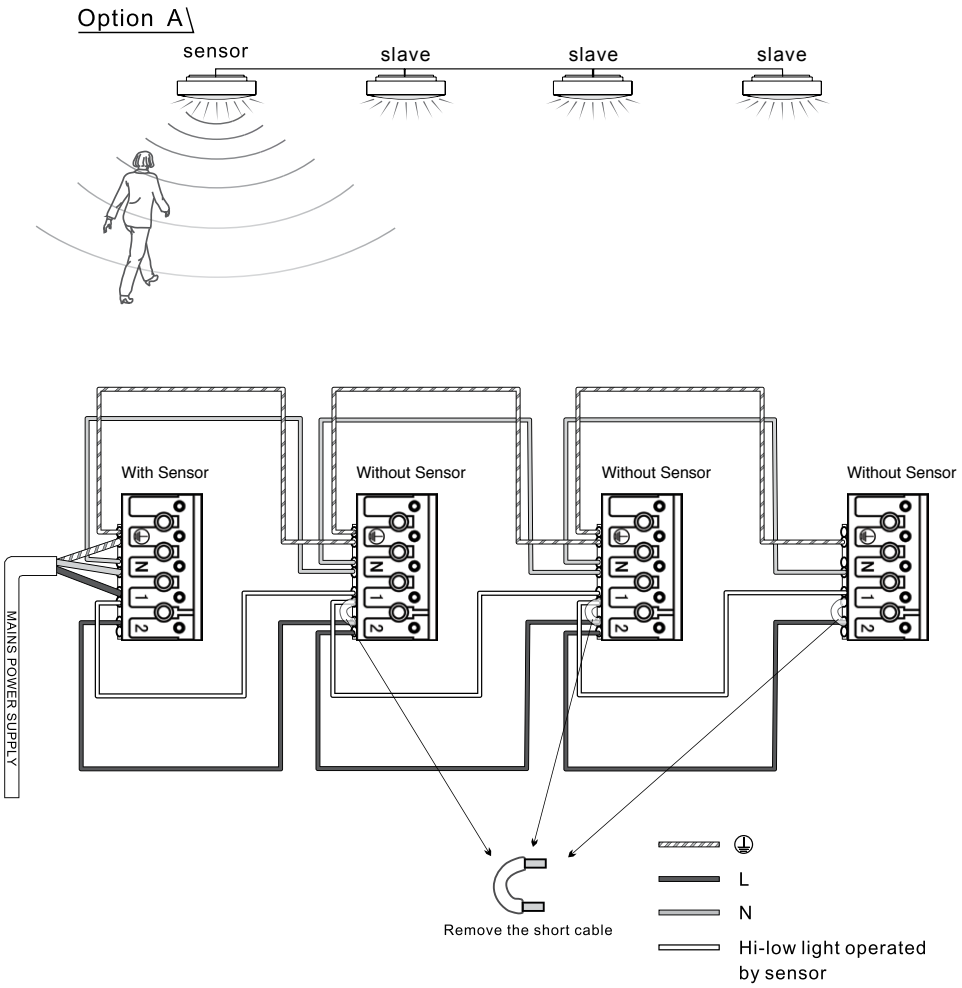


OPTIONAL FUNCTIONS - BY CHANGING THE CABLE CONNECTIONS

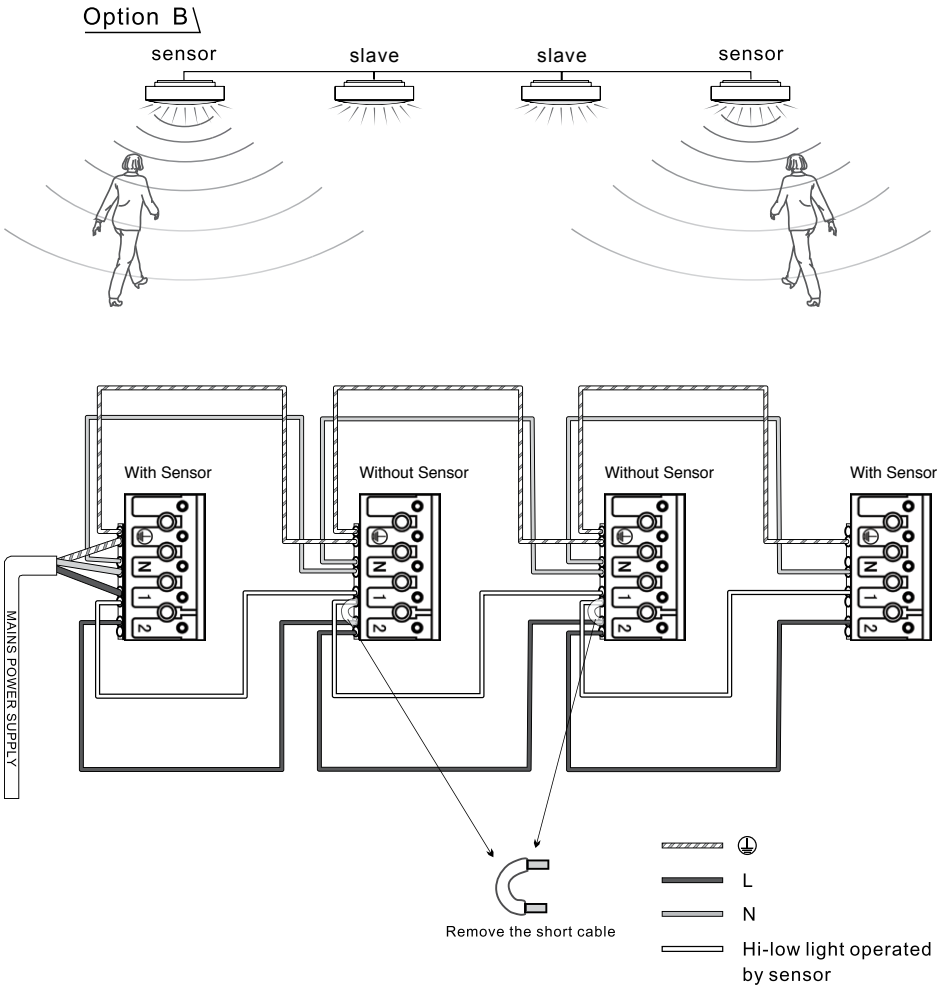
Option 1: Normal sensor light Option 2: Hi-low light operated by sensor



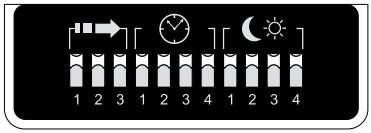
SLAVE FUNCTION A - SENSOR AT ONE END ONLY



SLAVE FUNCTION B - SENSOR AT BOTH ENDS



SETTING THE PARAMETERS OF THE MICROWAVE SENSOR



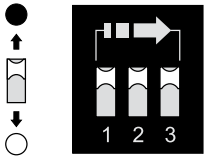
DETECTION RANGE SETTING (SENSITIVITY)

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%



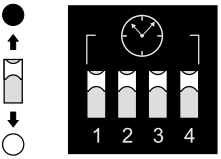
TIME SETTING

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



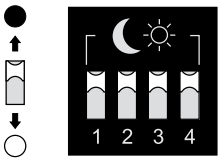
LIGHT CONTROL SETTING

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

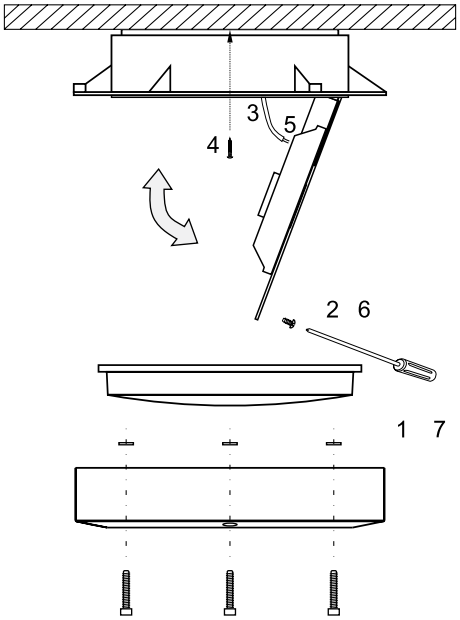
	1	2	3	4	
I	●	●	●	●	Disable
II	○	○	●	○	50Lux
III	○	●	○	○	30Lux
IV	●	○	○	○	10Lux
V	○	○	○	○	5Lux



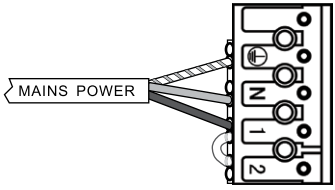
PLEASE SET 'DISABLE' TO HAVE HIGH–LOW LIGHT FUNCTION IN THE EVENING (See page 8)

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.

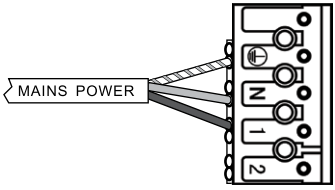


6. CABLE CONNECTION



Without Sensor

LED/PDIP/23W/5K



With Sensor (switched live not required)

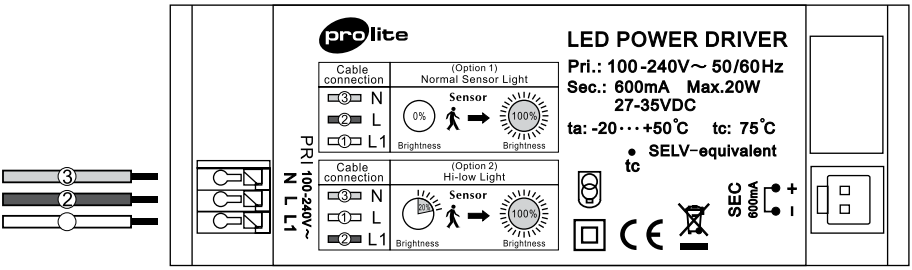
LED/PDIP/23W/5KMS

7. WIRING OF THE LED DRIVER

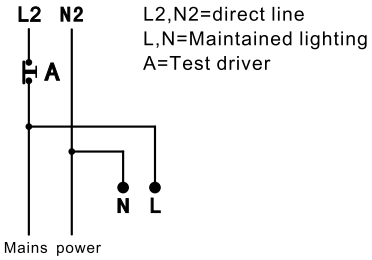
There are two functions available, setup by different wiring to the LED driver:

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.



TESTING
Test the emergency function after installation.



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.