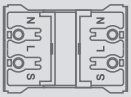
OPERATING INSTRUCTION

LED CEILING LAMP

A LED

WWW.ALED.DK

OMAHA GEN2



IP44

RoHS 2011/65/EU

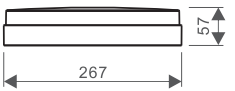
APPLICATION

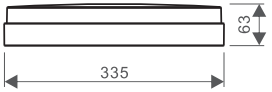
This is indoor LED ceiling lamp.

- Houses
- Offices
- Retail
- Schools
- Hotels
- Hospitals

MAIN TECHNICAL DATA

Input: AC 220-240V 50/60Hz
Light source: LED SMD2835
Working temperature: -25°C---+50°C -25°C---+40°C(with sensor)





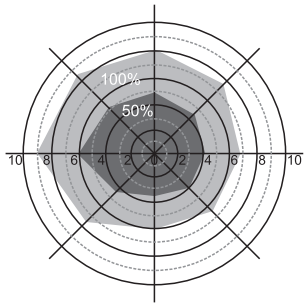
CAUTION

1. The product must be installed by professional technicians and power supply must be cut off before installation.
2. The installation wiring must be 2x 1.0-1.5mm^2 and wired in accordance with the latest IEE electrical regulations or the national requirements.(Recommend type of cable is H03VV-F)
3. The light source of this luminaire is not replaceable,when the light source reaches its end of life the whole luminaire shall be replaced.

DESCRIPTION OF MICROWAVE SENSOR

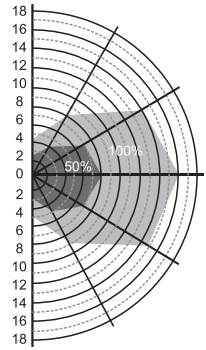
- Detection zone Max.(D x H): 12m x 6m
- Detection sensitivity: 10% or 100%, adjustable
- Hold time: 5sec-10min, adjustable
- Daylight On: 5-50Lux, adjustable or disable
- Daylight Off: 25-150Lux, adjustable or disable
- Stand-by Period : 0sec-+∞,adjustable (Refer to “Low light”)
- Stand-by Dim Level : 10% or 25%,adjustable
- Ceiling Mounting height: Max. 6m
- Motion detection: 0.3~3m/s
- Detection angle: 150°(wall installation), 360°(ceiling installation)

Ceiling mounting pattern (Unit: m)
Suggested installation height: 3m



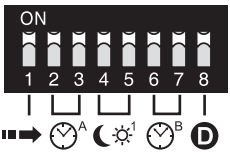
(Walking speed: 0.3m/s)

Wall mounting pattern (Unit: m)
Suggested installation height: 2m



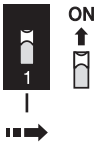
(Walking speed: 0.3m/s)

PARAMETER SETTING OF MICROWAVE SENSOR



Detection Area

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



	1	
I	ON	100%
II	—	10%

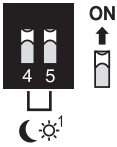
Hold Time

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

	2	3	
I	ON	ON	5s
II	ON	—	1min
III	—	ON	5min
IV	—	—	10min

Daylight

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



	4	5	ON	OFF
I	ON	ON	5Lux	25Lux
II	ON	—	25Lux	75Lux
III	—	ON	50Lux	150Lux
IV	—	—	Disable	Disable

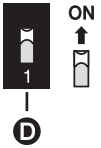
Stand-by Period

This refers to “Low light period”,when it is set to +∞,the luminaire gives photocell prioritized function, meaning the luminaire is off when ambient brightness accesses the set threshold,and automatically on to a low light level when ambient brightness is lower than the set threshold, and turns to high light level when it detects a movement. It is set with DIP switches at the sensor itself, refer to figure.

	6	7	
I	ON	ON	0s
II	ON	—	10min
III	—	ON	30min
IV	—	—	+∞

Stand-by Dim Level

This refers to the brightness of “Low light period”,It is set with DIP switches at the sensor itself, refer to figure.

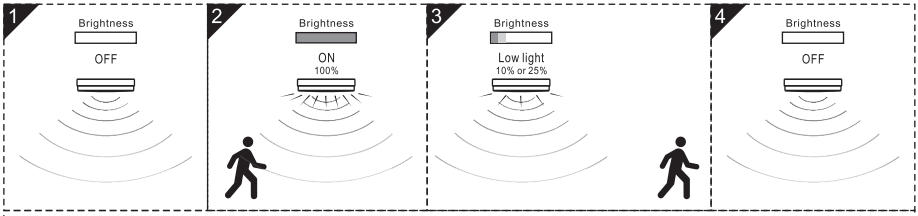


	8	
I	ON	10%
II	—	25%

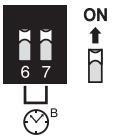
When it is set to +∞ on “Stand-by period”, the default setting is 10% and can't be changed.

DESCRIPTION OF SENSOR FUNCTIONS

A Normal light-control function
Sensor with On/Low light(10% or 25%)/Off, three-step dimmable.

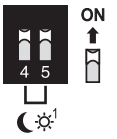


Stand-by Period (Refer to "Low light")



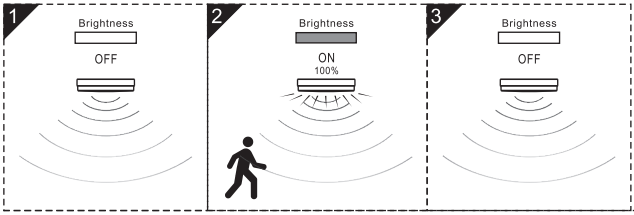
	6	7	
I	ON	ON	0s
II	ON	—	10min
III	—	ON	30min
IV	—	—	+∞

Daylight

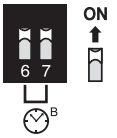


	4	5	ON	OFF
I	ON	ON	5Lux	25Lux
II	ON	—	25Lux	75Lux
III	—	ON	50Lux	150Lux
IV	—	—	Disable	Disable

B Normal light-control function
Sensor with On/Off, two-step dimmable.

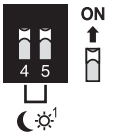


Stand-by Period (Refer to "Low light")



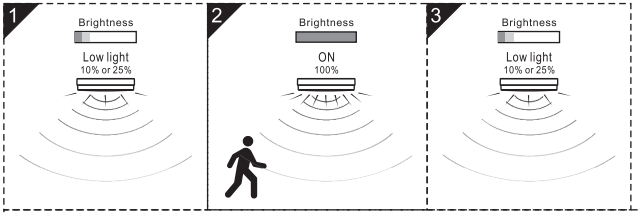
	6	7	
I	ON	ON	0s
II	ON	—	10min
III	—	ON	30min
IV	—	—	+∞

Daylight

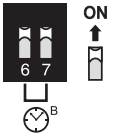


	4	5	ON	OFF
I	ON	ON	5Lux	25Lux
II	ON	—	25Lux	75Lux
III	—	ON	50Lux	150Lux
IV	—	—	Disable	Disable

C Normal light-control function
Sensor with On/Low light(only 10%)

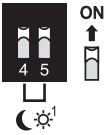


B Stand-by Period (Refer to "Low light")



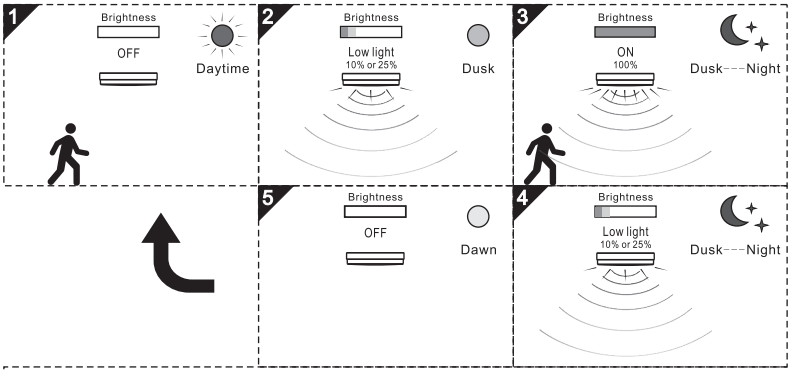
	6	7	
I	ON	ON	0s
II	ON	—	10min
III	—	ON	30min
IV	—	—	+∞

1 Daylight

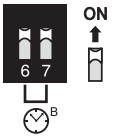


	4	5	ON	OFF
I	ON	ON	5Lux	25Lux
II	ON	—	25Lux	75Lux
III	—	ON	50Lux	150Lux
IV	—	—	Disable	Disable

D Photocell prioritized function
Sensor with On/Low light(only 10%)

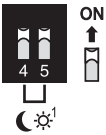


B Stand-by Period (Refer to "Low light")



	6	7	
I	ON	ON	0s
II	ON	—	10min
III	—	ON	30min
IV	—	—	+∞

1 Daylight



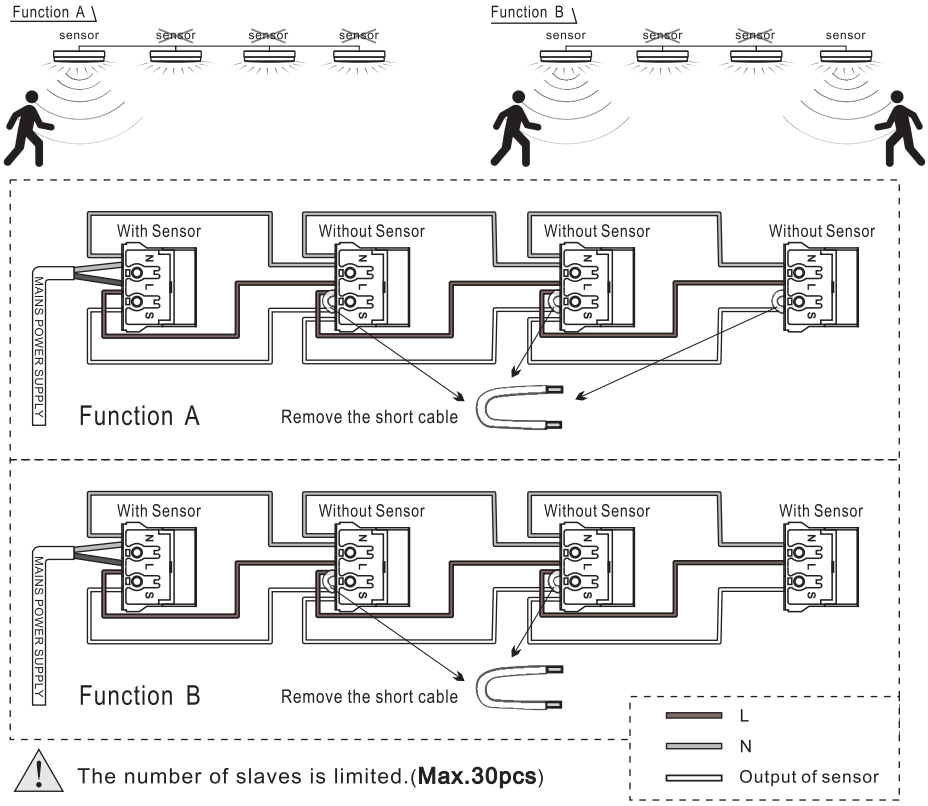
	4	5	ON	OFF
I	ON	ON	5Lux	25Lux
II	ON	—	25Lux	75Lux
III	—	ON	50Lux	150Lux
IV	—	—	Disable	Disable

TECHNICAL INFORMATION

Code	Input Voltage	LED Type	Input Power	Lumen	Sensor	Dimensions (ΦxH)
Omaha GEN2 CCT 9W	220-240V~ 50/60Hz	SMD2835	9 W	900/450 Lm	——	Φ267x57 mm
Omaha GEN2 M.Sensor CCT 9W	220-240V~ 50/60Hz	SMD2835	10.5 W	900/450 Lm	Yes	Φ267x57 mm
Omaha GEN2 CCT 15W	220-240V~ 50/60Hz	SMD2835	15 W	1500/1000/700 Lm	——	Φ335x63 mm
Omaha GEN2 M.Sensor CCT 15W	220-240V~ 50/60Hz	SMD2835	16.5 W	1500/1000/700 Lm	Yes	Φ335x63 mm

Parameter tolerance: ±10%
CCT: 4000K

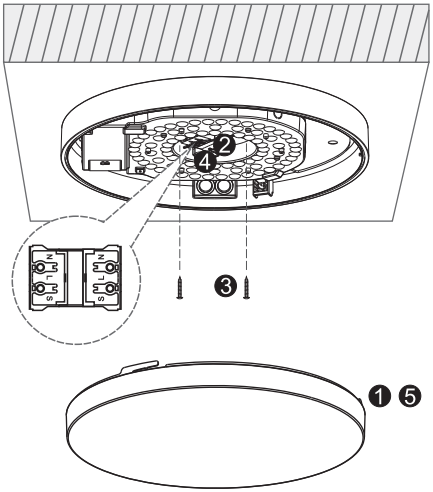
MASTER/SLAVE FUNCTION



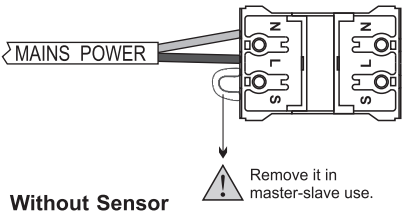
MOUNTING

SURFACE

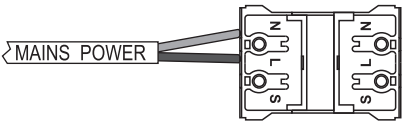
1. Disassemble the diffuser .
2. Pull in the power cord through the gasket.
3. Fix the fixture on the surface with screws .
4. Connect the power cord on the terminal correctly.
5. Assemble the diffuser.



Cable connection



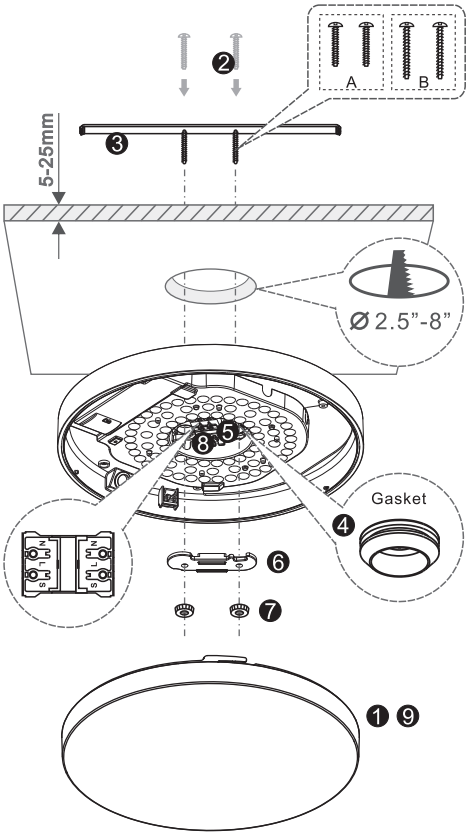
Without Sensor



With Sensor (switched live not required)

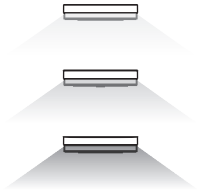
FLUSH

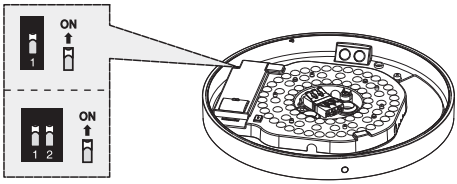
1. Disassemble the diffuser .
2. Assemble the screws A(suitable for 5-15mm thick ceiling) or B(suitable for 15-25mm thick ceiling) onto the bracket.
3. Put the bracket into the ceiling,make sure the screws go through the hole.
4. Remove two gaskets on the base.
5. Pull in the power cord through the hole.
6. Fix the plastic plate on the screws of bracket .
7. Screw the nuts.
8. Connect the power cord on the terminal correctly.
9. Assemble the diffuser.



SELECTABLE BRIGHTNESS

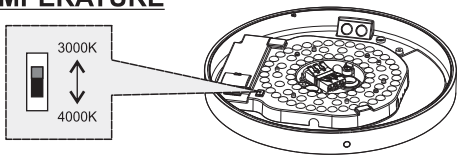
Different brightness settings by DIP switches on the driver.





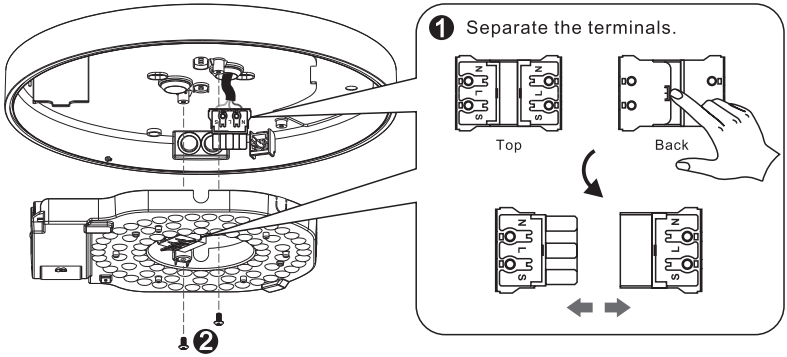
SELECTABLE COLOUR TEMPERATURE

Different colour temperature settings
by DIP switches on the LED plates.



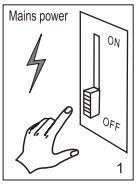
TOOL FREE RELAMPING

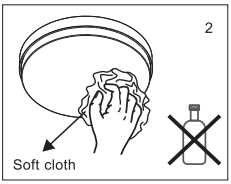
⚠ Cut off the mains power first .



MAINTENANCE

1. Cut off the mains power first.
2. Don't use chemical reagent to clean lamp.





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.

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