

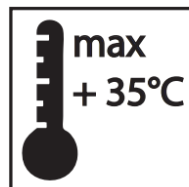
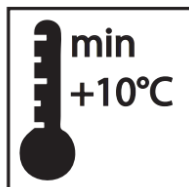
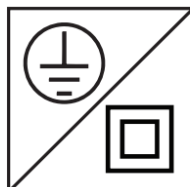
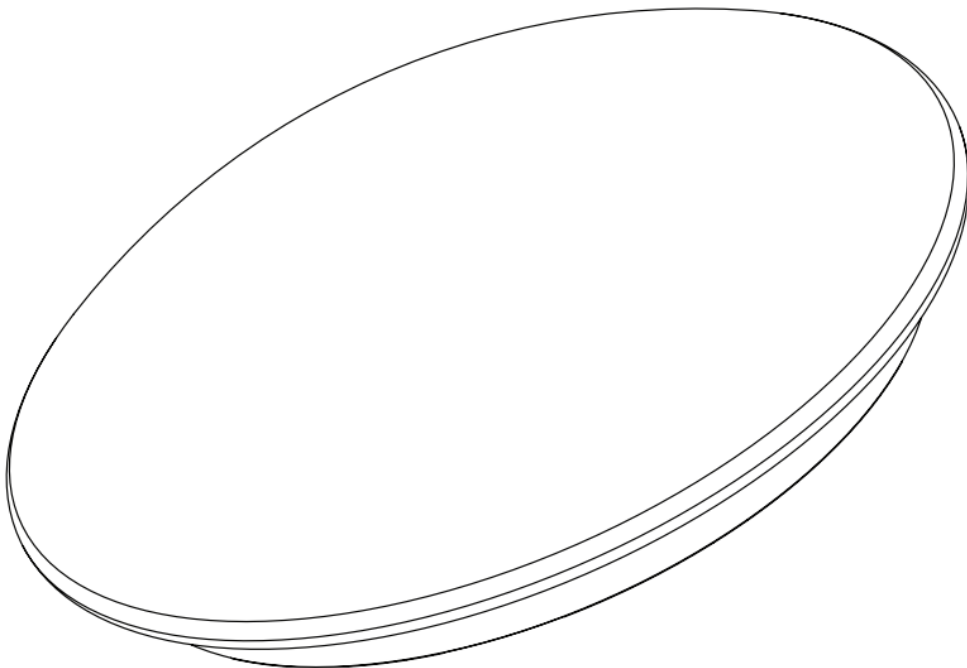


VIZULO 66712 Shell Basic LED Luminaire Instruction Manual

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66712 Shell Basic LED Luminaire
Instruction Manual

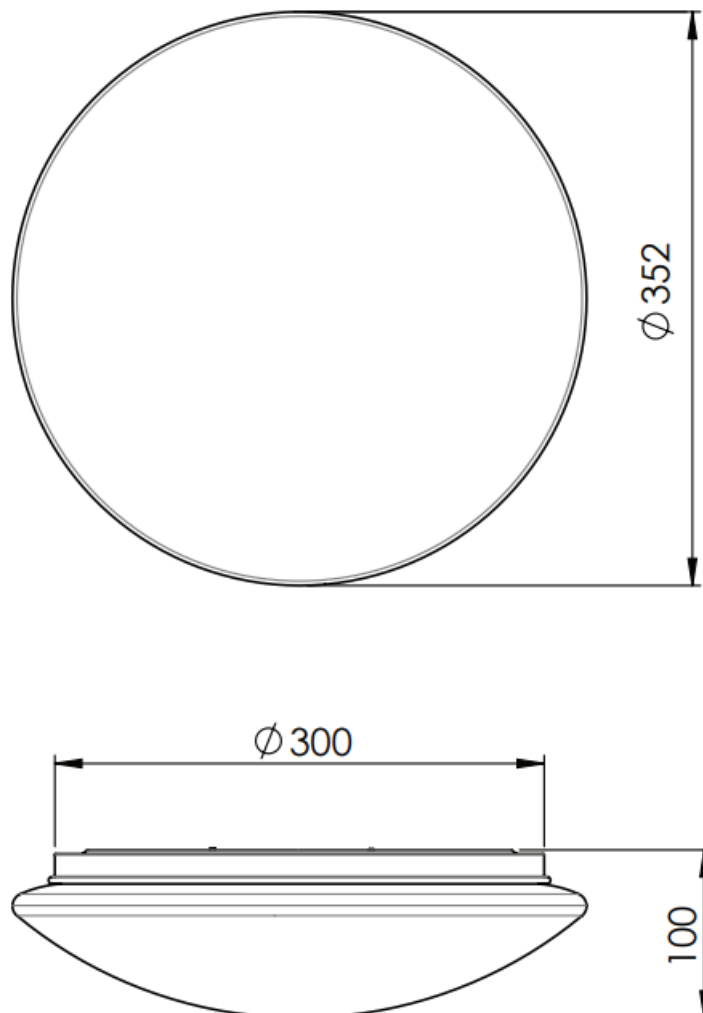


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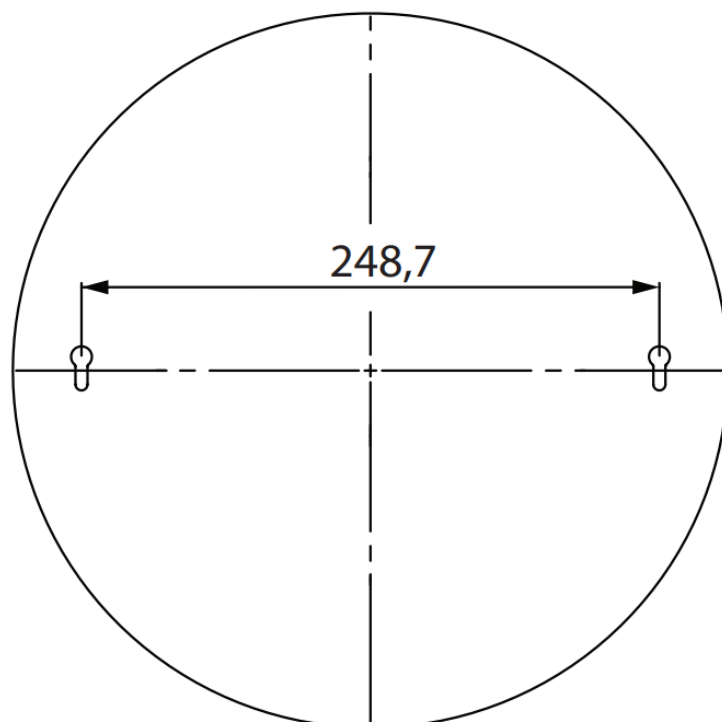
- 1 VIZULO Shell Basic LED luminaire
- 2 User manual of PIR motion sensor
- 3 Mounting instructions
- 4 Safety instructions
- 5 Maintenance and repair
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VIZULO Shell Basic LED luminaire

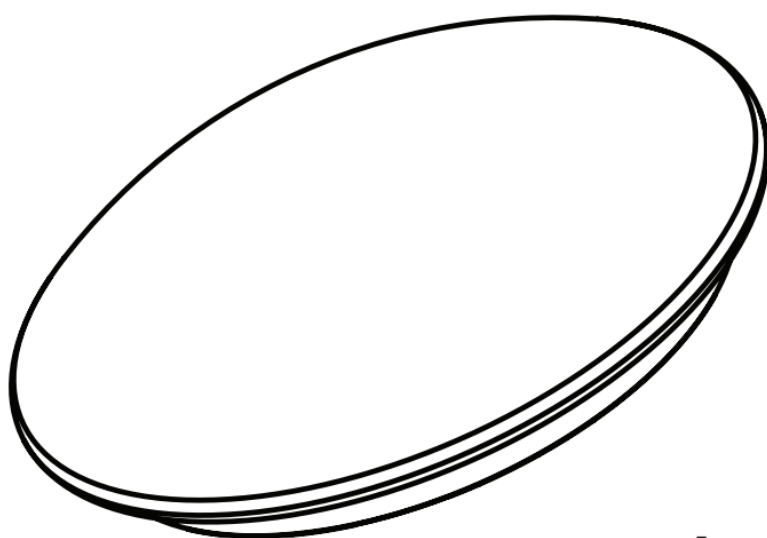
Mounting instruction Dimensions



Mounting hole location



Netto Weight

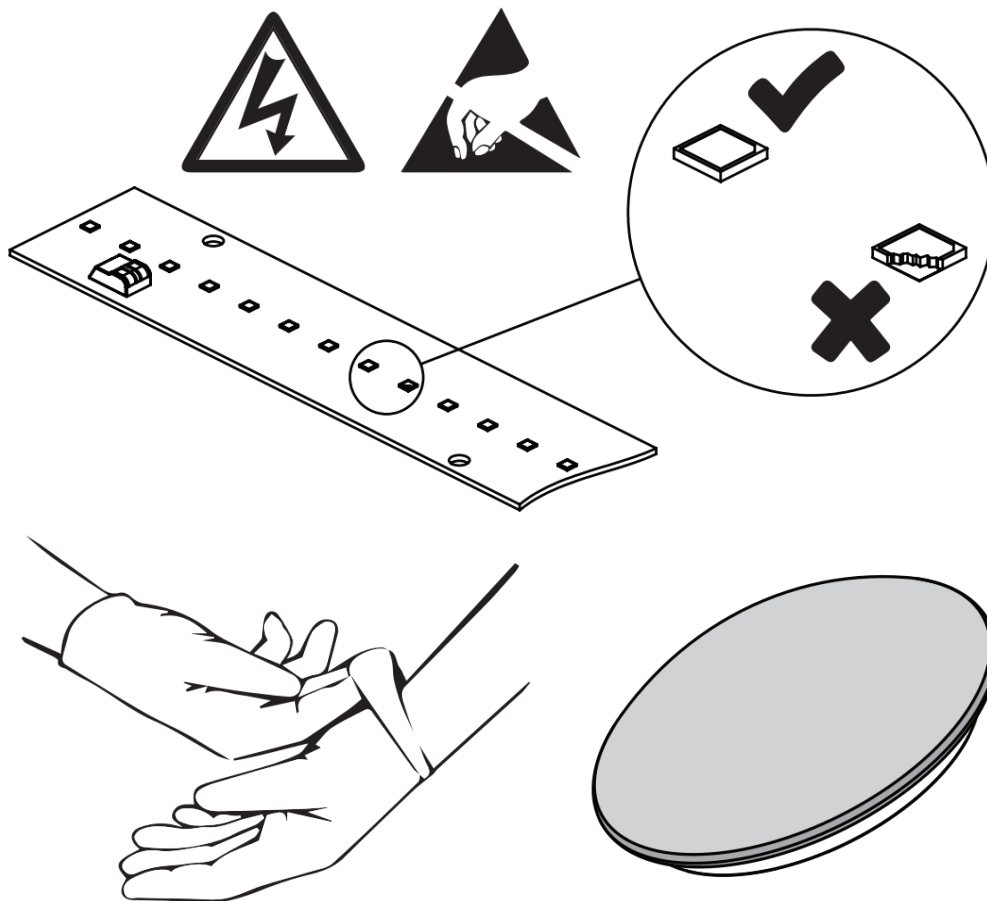


0.64 kg



WARNING!

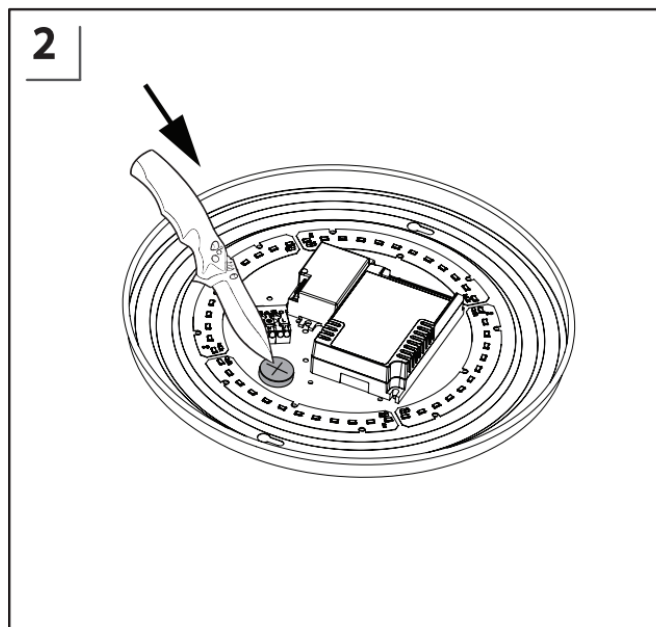
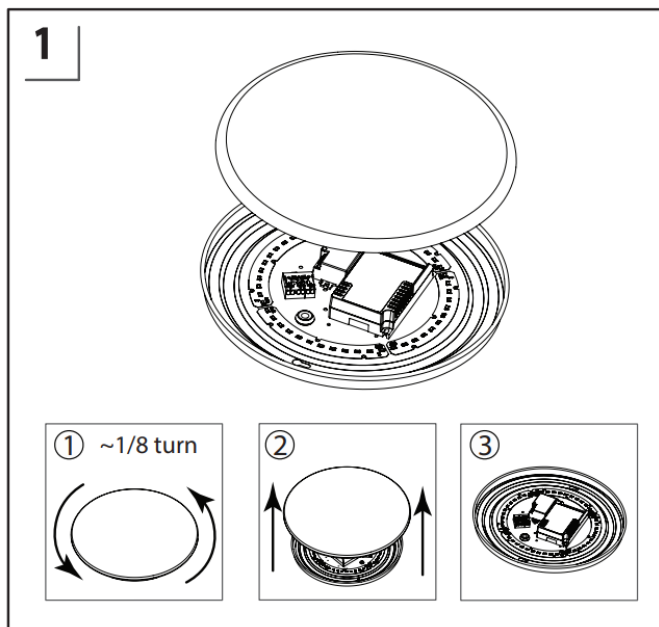
- Do not touch LED modules!
- Do not put any tools or other items on LED modules!
- In case any LED is physically damaged (example shown below) the warranty is void.



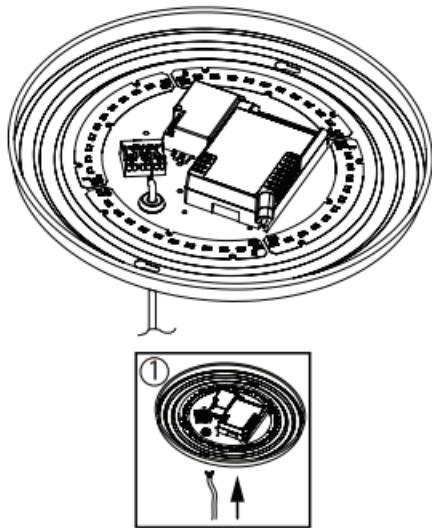
Install LED luminaire only in a clean room using gloves!

Diffuser cover may accumulate small electrostatic charges that makes it susceptible to dust and other small particles;

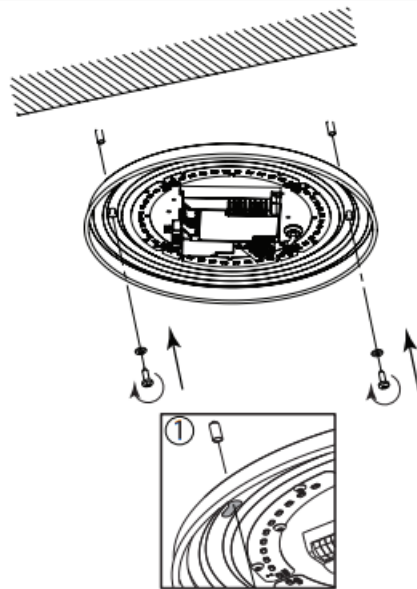
It should only be cleaned using dry microfiber cloth or compressed air duster.



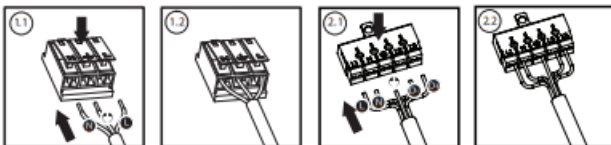
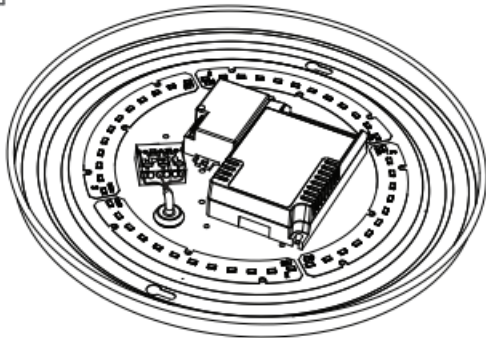
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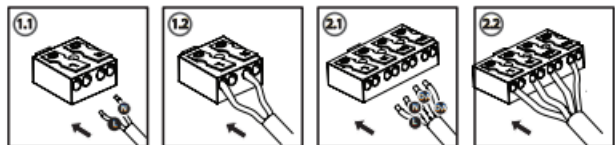
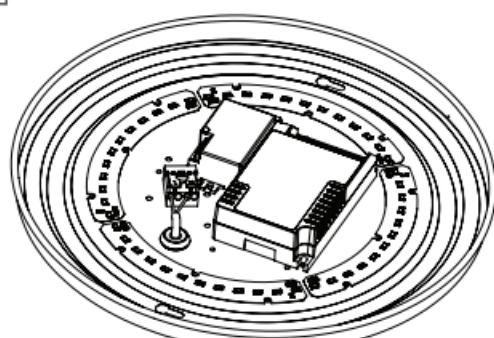
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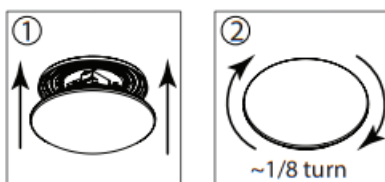
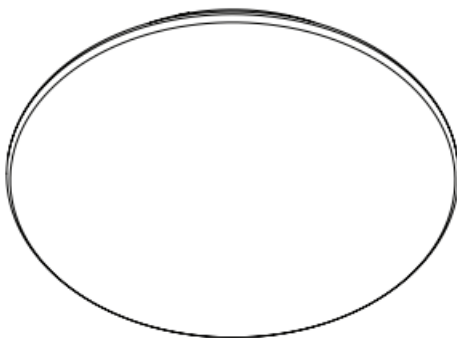
5A Class I + DALI

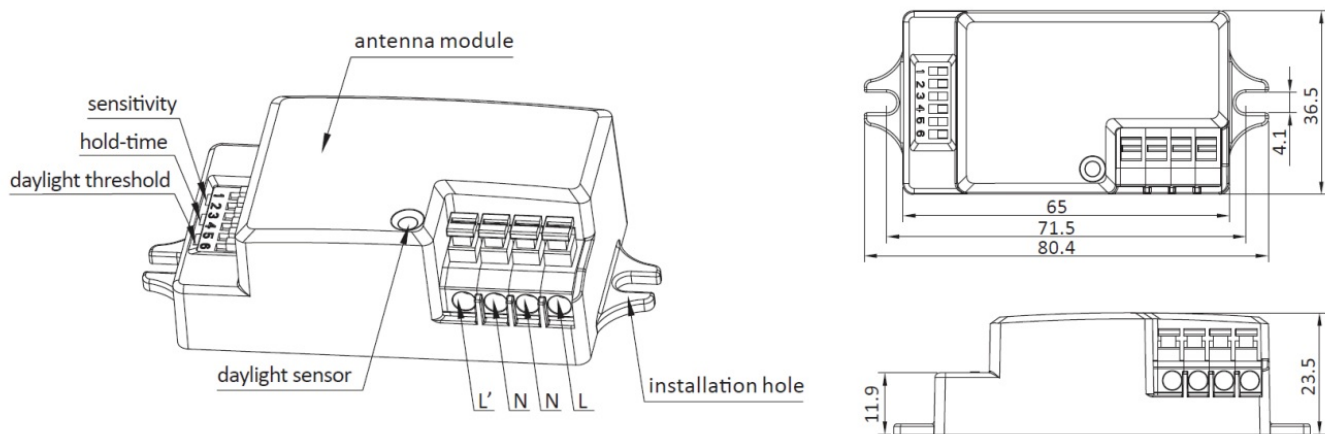


5B Class II + DALI



6





Settings:

1. Sensitivity Sensitivity can be adjusted by selecting the combination on the DIP switches for different applications.

- I – 100%
- II – 75%
- III – 50%
- IV – 10%



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

2. Hold-time Hold-time refers to the time period that the light remains 100% on if no more movement is detected.

- I – 5s
- II – 90s
- III – 5min
- IV – 15min



	3	4	
I	●	●	5s
II	●	○	90s
III	○	●	5min
IV	○	○	15min

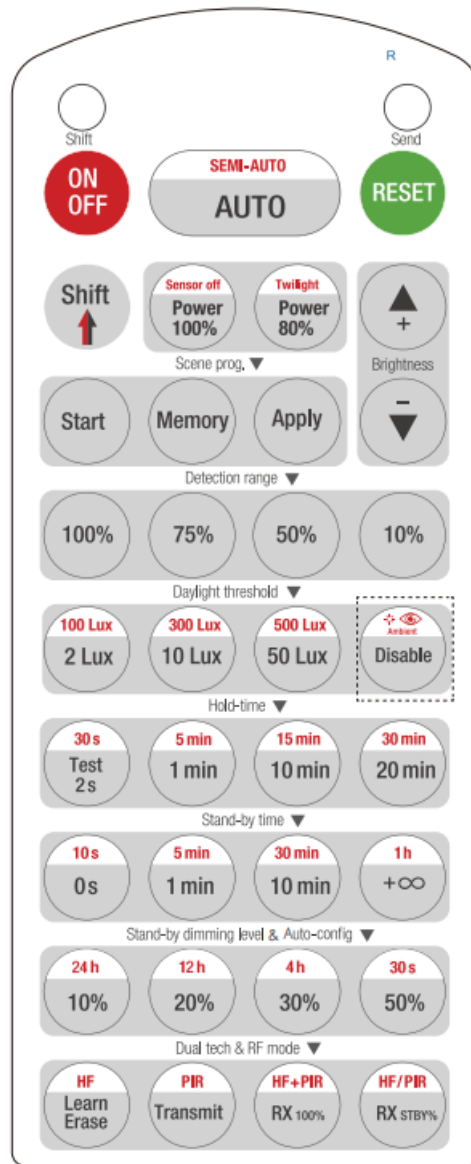
3. Daylight sensor Different daylight threshold can be preset on DIP switches. Light will always turn on upon movement if daylight sensor is disabled.

- I – Disable
- II – 50Lux
- III – 10Lux
- IV – 2Lux



	5	6	
I	●	●	Disable
II	●	○	50Lux
III	○	●	10Lux
IV	○	○	2Lux

Settings (Remote Control)



Remote control

**ON/
OFF**

Permanent ON/OFF function

Press button "ON/OFF" to select permanent ON or permanent OFF mode.

* Press button "AUTO", "RESET" to quit this mode. The mode will change to AUTO Mode after power failure.

RESET

Reset Settings

Press button "RESET", all settings go back to default settings.

Shift

Shift Button

Press button "Shift", the LED on the top left corner is on to indicate mode selection.

All values / settings in RED are valid for 20 seconds.

SEMI AUTO

AUTO

AUTO mode

Press button "AUTO" to initiate automatic mode. The sensor starts working and all settings remain as before the light is switched ON/OFF.

SEMI AUTO

AUTO

SEMI-AUTO mode

First press button “Shift” then “SEMI-AUTO” to initiate semi-auto mode. The fixture is manually on by push-switch and automatically off in this mode.



Power output

Press the buttons to select light output at 80% (at initial 10,000 hours) or 100%.

Note: “Sensor off” and “Twilight” functions are disabled.



Brightness +/-

Press the buttons to adjust the light brightness during hold-time.



Scene program – 1-key commissioning

1. Press button “Start” to program.
2. Select the buttons in “Detection range”, “Daylight threshold”, “Hold-time”, “Stand-by time”, “Stand-by dimming level” to set all parameters.
3. Press button “Memory” to save all the settings programmed in the remote control.
4. Press button “Apply” to set the settings to each sensor unit(s).

For example, to set detection range 100%, daylight threshold Disable, hold-time 5min, stand-by time $+\infty$, stand-by dimming level 30%, the steps should be: Press button “Start”, button “100%”, “Disable”, “Shift”, “5min”, “Shift”, “ $+\infty$ ”, “30%”, “Memory”. By pointing to the sensor unit(s) and pressing “Apply”, all settings are passed on the sensor(s).

Detection range (valid for master only)

Press buttons in zone “Detection range” to set detection range at 100% / 75% / 50% / 10%.

Daylight threshold

Press buttons in zone “Daylight threshold” to set daylight sensor at 2Lux / 10Lux / 50Lux / 100Lux / 300Lux / 500Lux / Disable.

Note:

1. To set daylight sensor at 100Lux / 300Lux / 500Lux, press “Shift” button first
2. These buttons are invalid for HCO34RF.

Ambient daylight threshold

1. Press button “Shift”, the red LED starts to flash.
2. Press button “Ambient”, the surrounding lux level is sampled and set as the new daylight threshold.

Hold-time

Press buttons in zone “hold-time” to set the hold-time at 2s / 30s / 1min / 5min / 10min / 15min / 20min / 30min.

Note:

1. To set hold-time at 30s / 5min / 15min / 30min, press “Shift” button first
2. 2s is for testing purpose only, stand-by period and daylight sensor settings are disabled in this mode.

*To exit from Test mode, press button “RESET” or any button in “Hold-time”.

Stand-by time (corridor function)

Press buttons in zone “stand-by time” to set the stand-by period at 0s / 10s / 1min / 5min / 10min / 30min / 1h / $+\infty$.

Note: “0s” means on/off control; “4-00” means bi-level control, if daylight threshold is disabled or natural light is

insufficient, the fixture is 100% on when there is motion detected, and remains at the stand-by dimming level after motion hold-time.

Stand-by dimming level

Press the button in zone “stand-by dimming level” to set the stand-by dimming level at 10%/ 20%/ 30%/ 50%.

Auto-configuration function

All buttons in this zone are disabled.

Dual tech & RF mode

“HF”, “PIR”, “HF+PIR”, “HF/PIR” are disabled.

For RF grouping via remote control, please refer to steps below:

RF grouping

Short press “Learn/Erase” button on RC to activate pairing mode, and the receiver unit starts to beep once every second for 3min.

Note: the unit can only pair up to 30 units.

Short press “Transmit” button on RC, the commander unit (master unit) beeps one time to send the transmission signal.

Upon receiving the transmission signal, the receiver unit (slave unit) rapidly beeps 3 times in 1s to indicate the success of pairing. Repeat this step to pair more units.

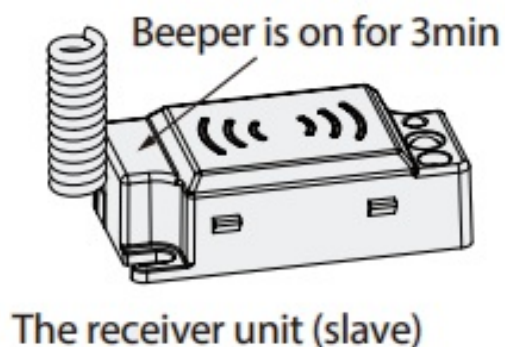
One more short press on “Learn/Erase” button to the receiver unit to complete the pairing process, the receiver unit will quit the pairing mode.

Note: Press button RX100%, the light on receiver unit is 100% on upon receiving RF on signal; Press “RX STBY%” button, the light(s) goes to preset stand-by dimming level directly.

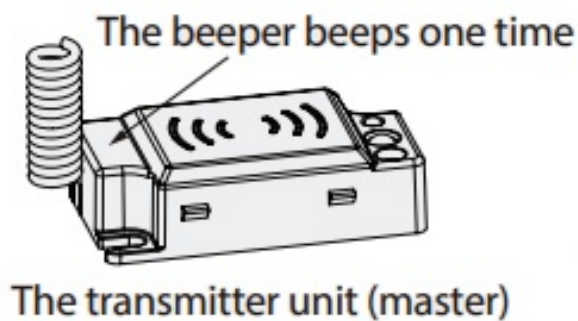
Erase:

Long press “Learn/Erase” button for 3s to the sensor unit. The beeper beeps rapidly for about 5s. All commands received before are erased.

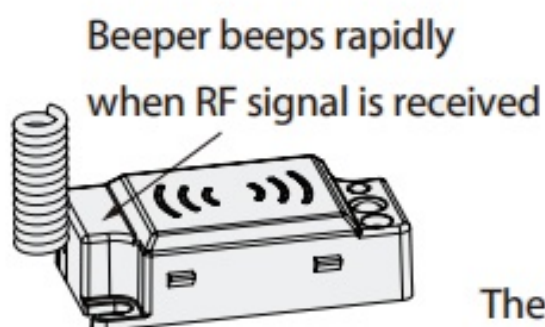
Step1



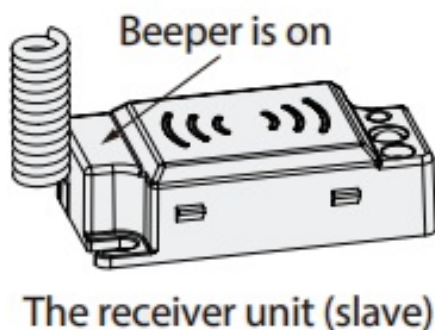
Step2

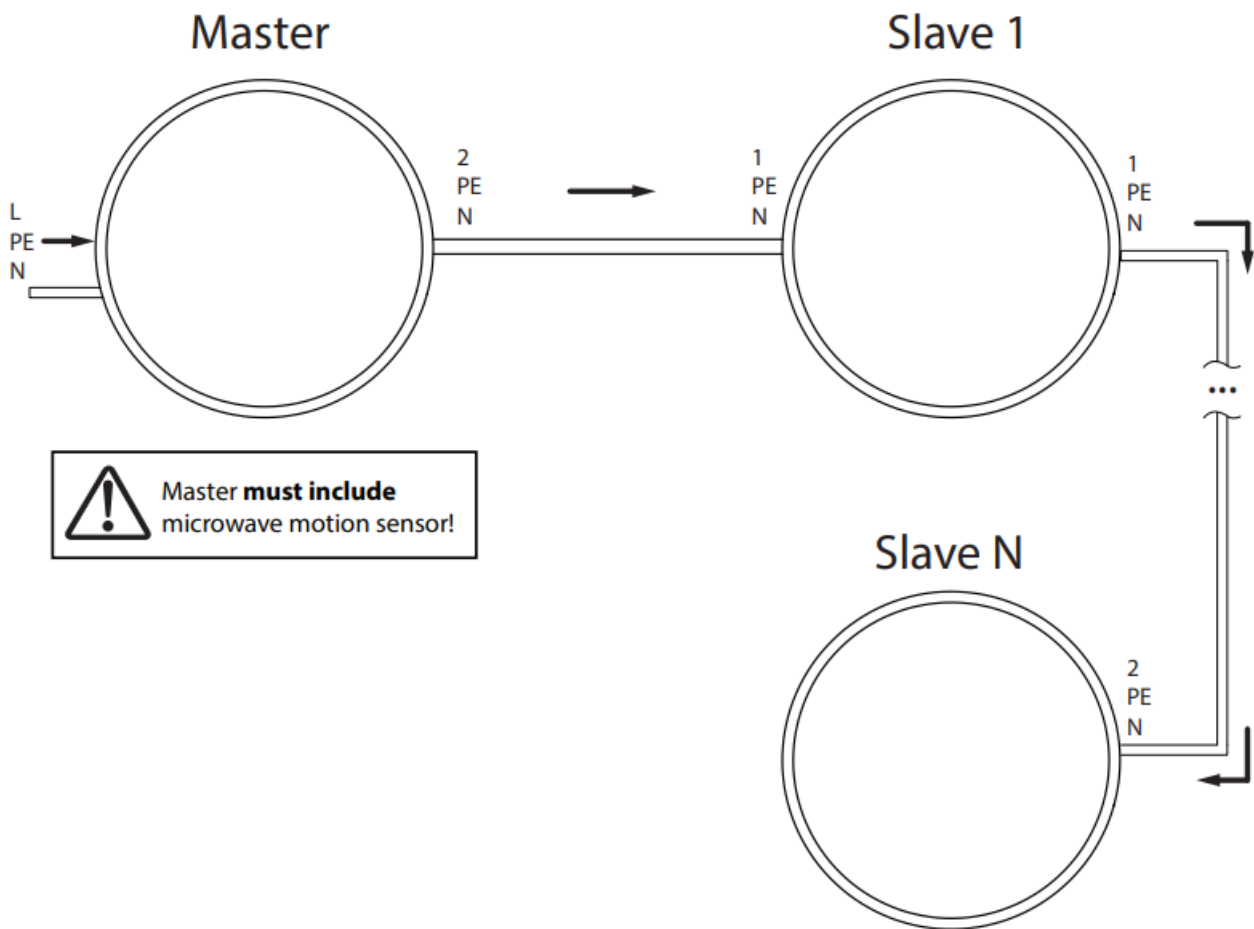


Short press "Transmit" button



Step3





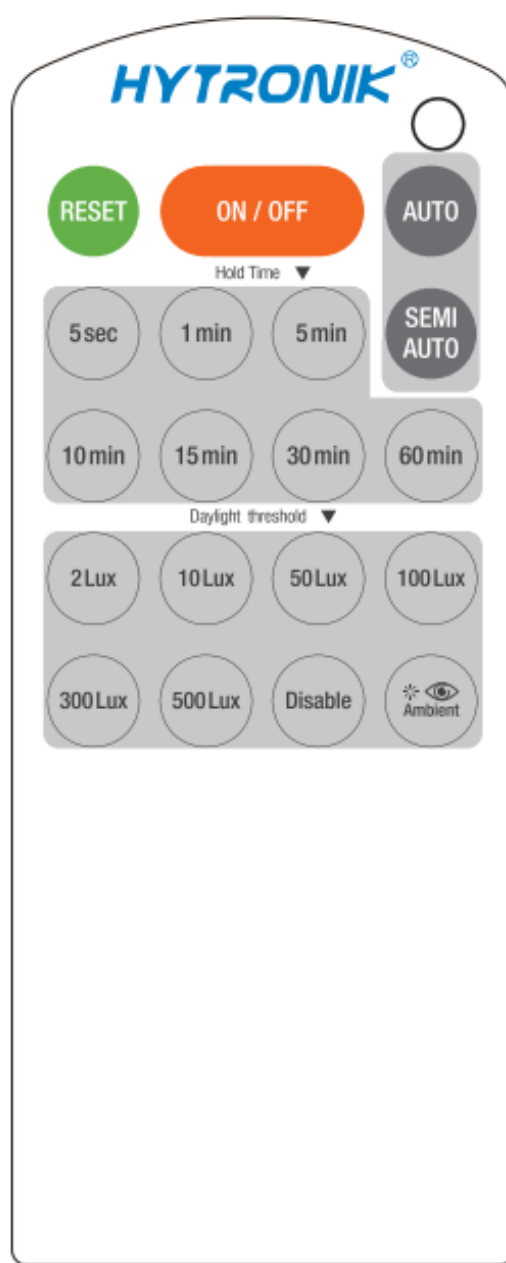
Tridonic LED driver

MCB/Inrush current table										
Power range	Dimming	In-rush current (peak/duration)	B10A	B13A	B16A	B20A	C10A	C13A	C16A	C20A
7 – 10 W	DALI	15 A (243µs)	24	31	38	48	40	56	64	80
	Non dimmable	17A (231 µs)	23	30	37	47	38	50	61	78
11- 17 W	DALI	18 A (140 µs)	22	30	36	46	36	50	60	76
	Non dimmable	15 A (204 µs)	25	33	40	50	41	55	66	83
18 – 28 W	DALI	25 A (141 µs)	19	24	31	40	31	40	51	66
	Non dimmable	16A (229 µs)	25	32	39	50	41	53	65	83

OSRAM LED driver

MCB/Inrush current table										
Power range	Dimming	In-rush current (peak/duration)	B10A	B13A	B16A	B20A	C10A	C13A	C16A	C20A
7 – 15 W	DALI	8 A (150 μ s)	38		60					
	Non dimmable	5 A (45 μ s)	82		130					
16 – 28 W	DALI	13 A (225 μ s)	20		30					
	Non dimmable	20A (50 μ s)	50		80					

User manual of PIR motion sensor



HRC-12

Settings (Remote Control HRC-12, for HIR02/RC12 & HIR04/RC12 & SAM13/RC12)

ON / OFF

Permanent ON/OFF function

Press button "ON/OFF" to select permanent ON or permanent OFF mode.

* Press button "AUTO", "RESET" or "Ambient" to quit this mode.

The mode will change to AUTO Mode after power failure.

RESET

Reset Settings

Press button "RESET", all settings go back to default values.

AUTO

Sensor mode

Press "Auto Mode" button, the sensor starts to function and all settings remain the same as the latest status before the light is switched on/off.

SEMI
AUTO

SEMI-AUTO mode

Press button "SEMI-AUTO" to initiate semi-auto mode. The fixture is manually turned on by pressing the push-switch, and goes off automatically after hdd time. (Absence detection mode)

Daylight threshold

Press buttons in zone " Daylight threshold" to set daylight sensor at 2Lux/ 10Lux / 50Lux / 1 00Lux / 300Lux / 500Lux / Disable.

Ambient daylight threacshold Press button "Ambient", the surrounding lux level is sampled and set as theew daylight threshold.

Hold-time

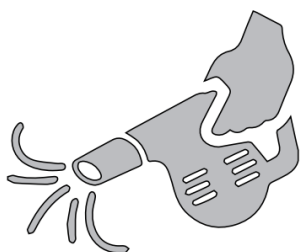
Press buttons in zone "hold-time" to set the hold-time at 5sec / 1min / 5min / 10 min / 15min / 30min / 60min. *To exit from Test mode, press button "RESET" or any button in "Hold-time".

Energy efficiency class of contained light source(s)

		CRI		
		80	90	
CCT	A	2200	E	F
	B	2700	E	F
	C	3000	E	E
	D	4000	E	E
	E	5000	E	E
	F	5700	E	E
	G	6500	E	E

Indoor Luminaire cleaning

Possible cleaning equipment



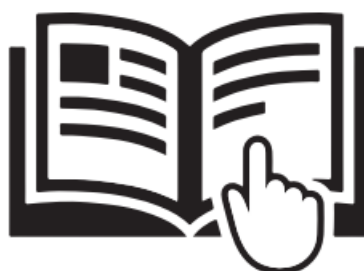
It is important to clean luminaires in association with luminaire mounting or component changing. Reflective parts surfaces should be cleaned from dust and grime pollution.

It is also important to remember that the voltage should be disconnected before the cleaning process is initiated. Electrical components and cables must not be exposed to water or detergents.

Information about luminaire's components disassembling can be found in user's instructions



Mounting Instruction



Component replacement instruction

<p>1</p>	<p>2</p>	<p>3 ONLY if IP<54</p>
<p>Switch off power supply.</p>	<p>Wash and wipe the outside part.</p>	<p>Clean the inside of luminaire.</p>
<p>4</p>	<p>5</p>	<p>6</p>
<p>Do not touch or wet LED modules.</p>	<p>Close the luminaire tightly.</p>	<p>Make function test.</p>

Luminaire body

Vacuuming with a soft brush. Neutral dishwashing detergent with lukewarm water / Cleaning detergent, without grinding effects, in lukewarm water. Drying: Self-drying in room temperature or wipe off with a slightly damp cleaning cloth.

Reflector and diffuser cover

In case of loose dirt clean with soft duster or cleaning cloth without microfibers, or use a compressed air. For light soiling dilute a citric acid based cleaning product with water (e.g. 30 ml Frosch® citrus cleaner in 5 litre of water). Cleaner should be non-abrasive, pH neutral, alcohol-free. In case of heavy soiling: Oil and grease can be removed using a mixture of alcohol and water (1:1), e.g. methylated spirits. Residues of alcohol based cleaning products are easily wiped away with a water-soaked cotton cloth. Stubborn stains can be soaked in diluted citrus cleaner. Drying: Blow-off with compressed air or use a lint-free, fresh and clean cotton cloth.

Plastic covers and caps

Vacuuming with soft brush or compressed air. In case of heavy soiling: cleaning detergent, without grinding effects, in warm water, maximum 55 degrees Celcius. Wash with a soft, clean cloth (without microfibers) in plenty of water. Rins with lukewarm water. Drying: Self-drying in room temperature or wipe off with a slightly damp cleaning cloth (without microfibers).

Terms of use and maintenance

Before luminaire is turned on, it should be mounted according with this mounting instruction or any other applicable regulations.

Mounting instructions

Mounting of luminaire must be performed by a qualified person according with following instructions:

- The warranty of luminaire does not apply, if the mounting of luminaire has been performed in precipitation (rain, snow, hail).
- The warranty of luminaire does not apply, if a control system unauthorized by VIZULO or an inapplicable LED driver has been used to drive the luminaire.
- The warranty of luminaire does not apply, if it has been used in an unsuitable ambient temperature or has been supplied by voltage outside of the specified range.
- The warranty of luminaire does not apply, if the LED driver program has been changed in any way.
- The warranty of the luminaire does not apply, if the logged history data of the LED driver has been deleted without the permission of VIZULO.
- The warranty of luminaire does not apply, if it has been mounted in unspecified angles or upside down (luminaire glass directed up), or it has been completely submerged under water.

Safety instructions

Any actions with the luminaire must be performed by a qualified person, who is certified according with national regulations and requirements.

To prevent any accidents person installing the luminaire must follow national safety requirements and following instructions:

- The label containing technical parameters of the luminaire has to be studied before the work on it has begun.
- Any luminaire build or design changes are prohibited.
- The luminaire must be used in good technical condition and according with this instruction.
- Only VIZULO authorized spare parts and accessories can be used to repair the luminaire.
- The repair of luminaire has to be performed by a qualified and certified person.

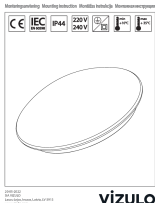
Maintenance and repair

Luminaire has to be disconnected from electrical grid before it is opened and/or repaired!

- The person working with the luminaire must follow national regulations and legislations that apply to maintenance and testing of electrical or electronic appliances.
- The luminaire may need to be cleaned depending on its environment. Only a damp cloth or a sponge may be used to clean the luminaire. Use only household detergents diluted by water.
- Only VIZULO authorized spare parts may be used for the luminaire.
- Instruction for changing spare parts must be requested from VIZULO and studied before the repair is attempted.
- LED modules, lens and LED drivers can be changed on an installed luminaire, but it is advised to perform this task indoor to avoid water entering the luminaire.
- Spare parts (lens, LED modules and drivers) should be ordered from the information available on the luminaire label.

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Documents / Resources

 <p>VIZULO Shell Basic LED luminaire Bespoke lighting, Bespoke solutions, Bespoke lighting, Bespoke solutions</p> <p>CE IEC IP44 230V 240V 50Hz 60Hz</p> <p>vizULO</p>	<p>VIZULO 66712 Shell Basic LED Luminaire [pdf] Instruction Manual 66712 Shell Basic LED Luminaire, 66712, Shell Basic LED Luminaire, LED Luminaire, Luminair e</p>
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