



## Emergency Light Sensor

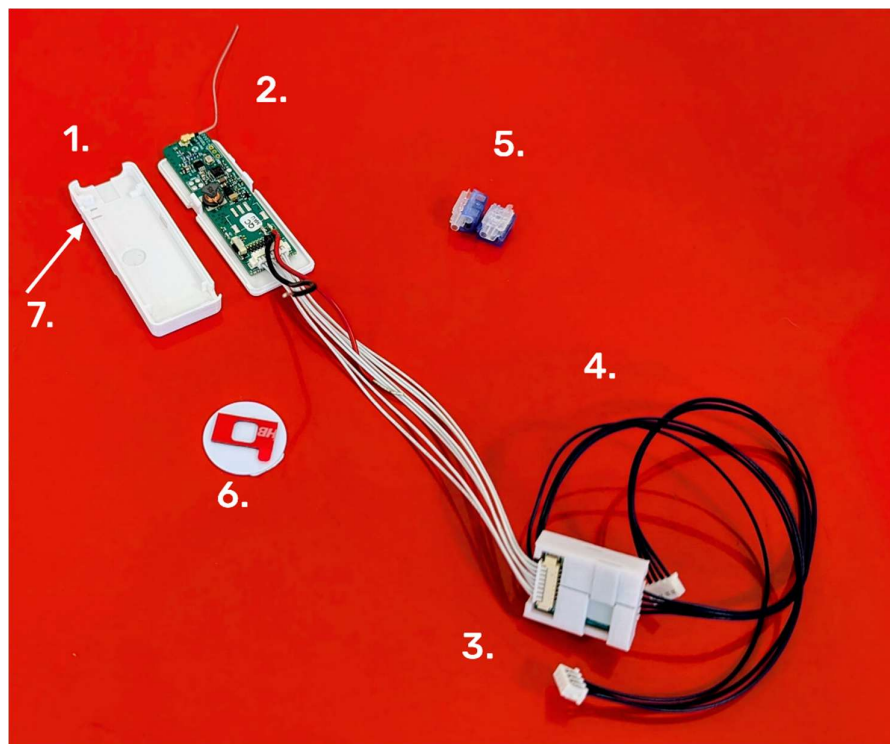
01124

Emergency Light Sensor for integration in emergency lights. Detects the status of the light by plugin into the LED wiring. Detects color settings and blinking patterns to obtain the status of the light.



## The parts

1. Enclosure
2. Sensor
3. Adapter
4. Wires
5. Connectors
6. NFC tag
7. Test button





|           |                                                                                                                                      |                                                            |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Basic     | DIMENSIONS<br>71 x 25 x 9 mm + 23 x 21 x 9 mm<br>+ 570 mm wires                                                                      | WEIGHT<br>29 g                                             |
|           | PLACEMENT<br>Inside emergency light                                                                                                  | COLOR<br>White                                             |
|           | MATERIALS<br>Polymer                                                                                                                 | INGRESS PROTECTION<br>IP 20                                |
|           | OPERATING TEMPERATURE<br>5°C to +25°C                                                                                                | OPERATING HUMIDITY<br>Up to 75% non-condensing             |
| Technical | POWER SUPPLY<br>External source (3-16 V)                                                                                             | VOLTAGE LEVEL<br>2000mV – 5500mV                           |
|           | ADAPTER<br>Connects to status LEDs wiring                                                                                            |                                                            |
|           | FREQUENCY<br>868 MHz                                                                                                                 | WIRELESS RANGE<br>Range in free field:>300m                |
|           | PROTOCOLS<br>Proprietary wireless protocol                                                                                           |                                                            |
|           | TEST BUTTON<br>Transmits a test signal                                                                                               | LEDs<br>Green – ok                                         |
|           | TEMPERATURE<br>-10°C to -50°C +/-0.2                                                                                                 | HUMIDITY<br>0-75% +/-1.                                    |
|           | DETECTS<br>Ok<br>Light source failure<br>Battery failure<br>Power supply failure<br>Discharge failure<br>Self test<br>Discharge test | NEAR FIELD COMMUNICATION (NFC)<br>Sensor type<br>Sensor id |



Certifications

CE

RoHS

ETSI EN

Other information

MANUFACTURED  
In Thailand

DESIGNED BY  
COSESY A/S  
Viengevej 100  
8240 Risskov  
Denmark



## Emergency Light Sensor

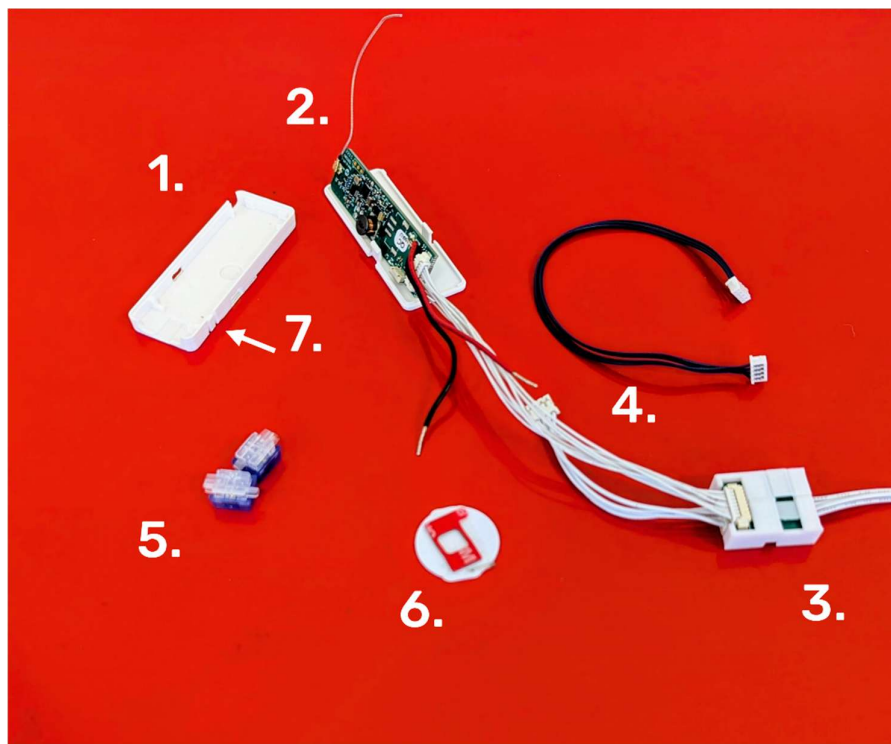
01123

Emergency Light Sensor for integration in emergency lights. Detects the status of the light by plugin into the LED wiring. Detects color settings and blinking patterns to obtain the status of the light.



## The parts

1. Enclosure
2. Sensor
3. Adapter
4. Wires
5. Connectors
6. NFC tag
7. Test button





|           |                                                                                                                                      |                                                            |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Basic     | DIMENSIONS<br>71 x 29 x 9 mm + 23 x 21 x 9 mm<br>+ 530 mm wires                                                                      | WEIGHT<br>29 g                                             |
|           | PLACEMENT<br>Inside emergency light                                                                                                  | COLOR<br>White                                             |
|           | MATERIALS<br>Polymer                                                                                                                 | INGRESS PROTECTION<br>IP 20                                |
|           | OPERATING TEMPERATURE<br>+5°C to 25°C                                                                                                | OPERATING HUMIDITY<br>Up to 75% non-condensing             |
| Technical | POWER SUPPLY<br>External source (3-16 V)                                                                                             | VOLTAGE LEVEL<br>2000mV – 5500mV                           |
|           | ADAPTER<br>Connects to status LEDs wiring                                                                                            |                                                            |
|           | FREQUENCY<br>868 MHz                                                                                                                 | WIRELESS RANGE<br>Range in free field:>300m                |
|           | PROTOCOLS<br>Proprietary wireless protocol                                                                                           |                                                            |
|           | TEST BUTTON<br>Transmits a test signal                                                                                               | LEDs<br>Green – ok                                         |
|           | TEMPERATURE<br>-10°C to +50°C +/-0.2                                                                                                 | HUMIDITY<br>0-75% +/-1.                                    |
|           | DETECTS<br>Ok<br>Light source failure<br>Battery failure<br>Power supply failure<br>Discharge failure<br>Self test<br>Discharge test | NEAR FIELD COMMUNICATION (NFC)<br>Sensor type<br>Sensor id |



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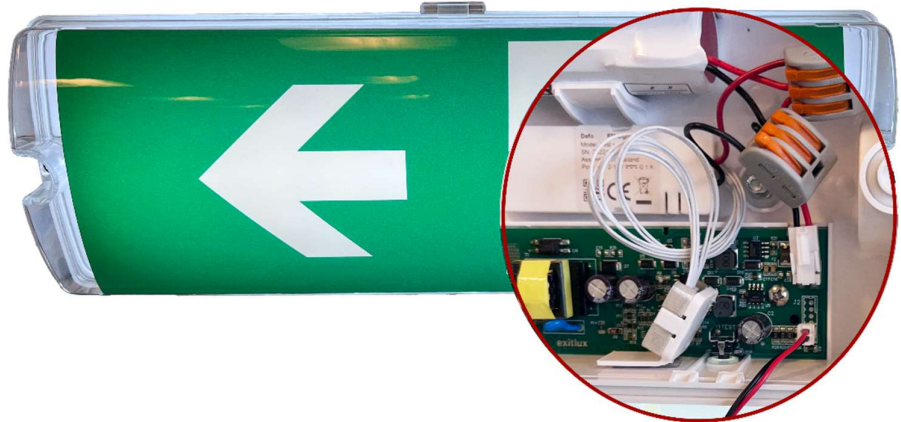
DESIGNED BY  
COSESY A/S  
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8240 Risskov  
Denmark



## Emergency Light Sensor

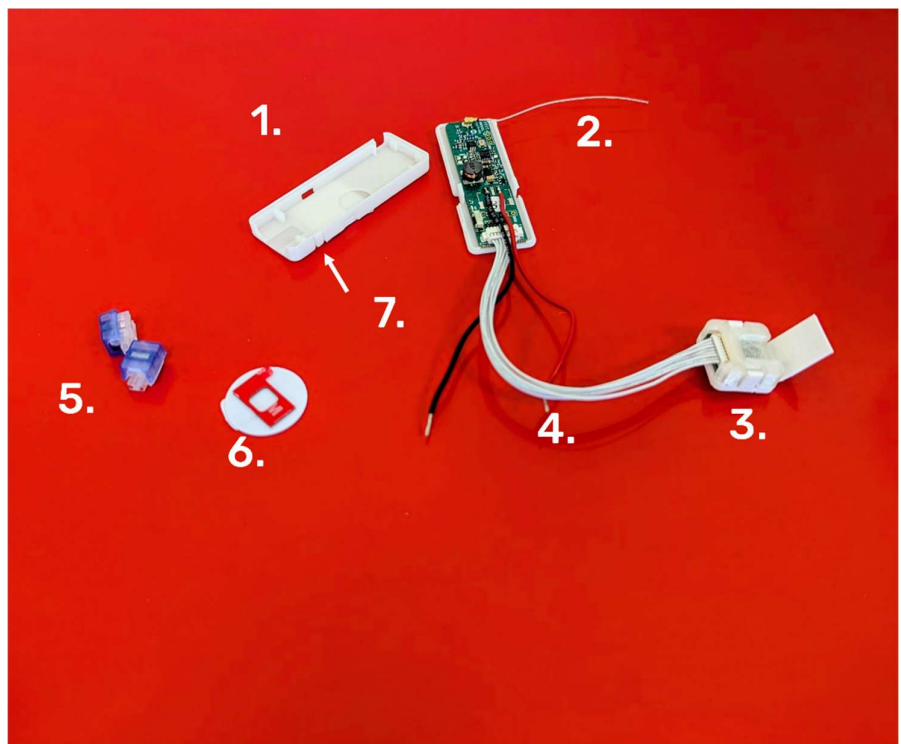
### 01122

Emergency Light Sensor for integration in emergency lights. A RGB Sensor detects the colors and blinking pattern of the LED integrated in the light. The colors and blinking pattern are processed to obtain the status of the light.



## The parts

1. Enclosure
2. Sensor
3. RGB Sensor
4. Wires
5. Connectors
6. NFC tag
7. Test button





|           |                                                                                                                                      |                                                            |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Basic     | DIMENSIONS<br>71 x 25 x 9 mm + 34 x 21 x 19 mm<br>+ 150 mm wires                                                                     | WEIGHT<br>25 g                                             |
|           | PLACEMENT<br>Inside emergency light                                                                                                  | COLOR<br>White                                             |
|           | MATERIALS<br>Polymer                                                                                                                 | INGRESS PROTECTION<br>IP 65                                |
|           | OPERATING TEMPERATURE<br>0°C to 35°C                                                                                                 | OPERATING HUMIDITY<br>Up to 75% non-condensing             |
| Technical | POWER SUPPLY<br>External source (3-16 V)                                                                                             | VOLTAGE LEVEL<br>2000mV – 5500mV                           |
|           | RGB SENSOR<br>Monitors Light LEDs                                                                                                    |                                                            |
|           | FREQUENCY<br>868 MHz                                                                                                                 | WIRELESS RANGE<br>Range in free field:>300m                |
|           | PROTOCOLS<br>Proprietary wireless protocol                                                                                           |                                                            |
|           | TEST BUTTON<br>Transmits a test signal                                                                                               | LEDs<br>Green – ok                                         |
|           | TEMPERATURE<br>-10°C to +50°C +/-0.2                                                                                                 | HUMIDITY<br>0-75% +/-1.                                    |
|           | DETECTS<br>Ok<br>Light source failure<br>Battery failure<br>Power supply failure<br>Discharge failure<br>Self test<br>Discharge test | NEAR FIELD COMMUNICATION (NFC)<br>Sensor type<br>Sensor id |





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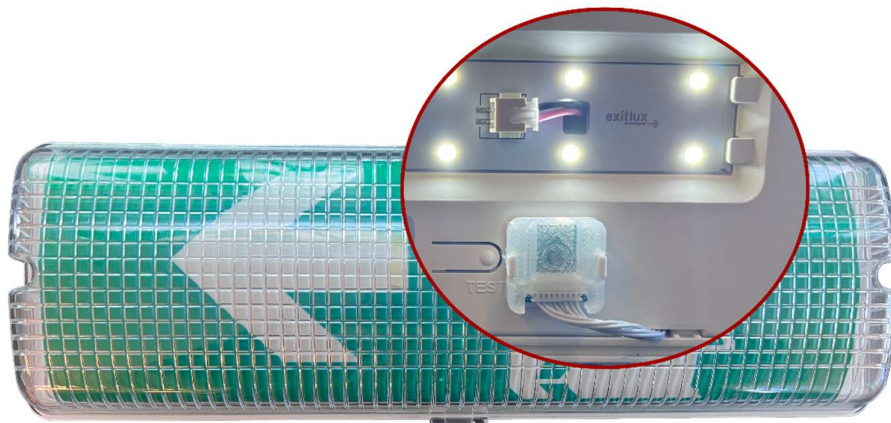
DESIGNED BY  
COSESY A/S  
Viengevej 100  
8240 Risskov  
Denmark



## Emergency Light Sensor

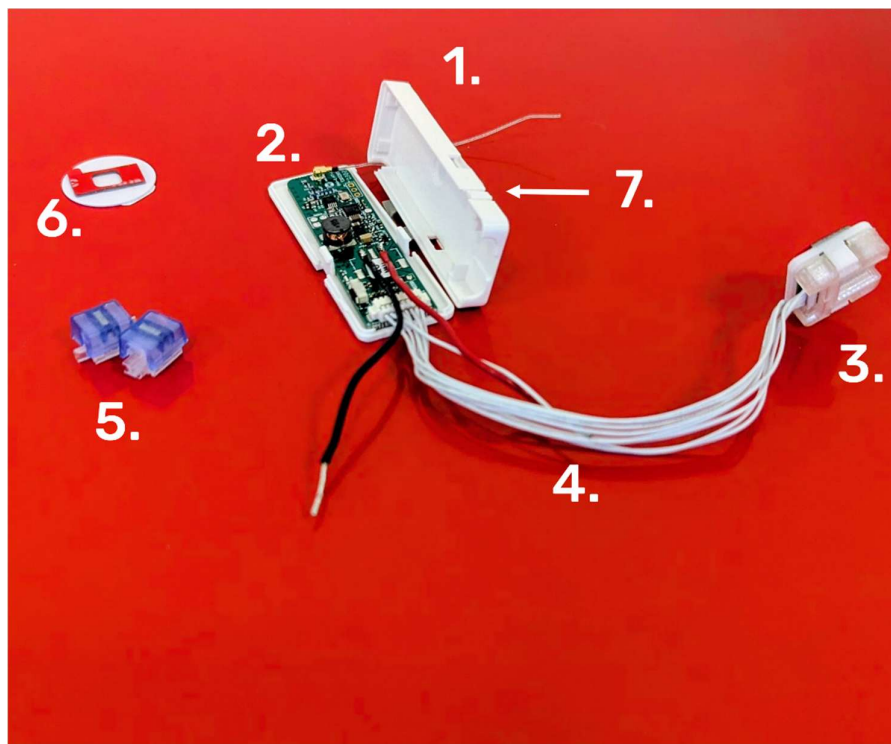
### 01121

Emergency Light Sensor for integration in emergency lights. A RGB Sensor detects the colors and blinking pattern of the LED integrated in the light. The colors and blinking pattern are processed to obtain the status of the light. The RGB Sensor mirrors the colors of the emergency light.



## The parts

1. Enclosure
2. Sensor
3. RGB Sensor
4. Wires
5. Connectors
6. NFC tag
7. Test button





|           |                                                                                                                                      |                                                            |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Basic     | DIMENSIONS<br>71 x 25 x 9 mm + 23 x 21 x 9 mm<br>+ 150 mm wires                                                                      | WEIGHT<br>24 g                                             |
|           | PLACEMENT<br>Inside emergency light                                                                                                  | COLOR<br>White                                             |
|           | MATERIALS<br>Polymer                                                                                                                 | INGRESS PROTECTION<br>IP 65                                |
|           | OPERATING TEMPERATURE<br>0°C to +35°C                                                                                                | OPERATING HUMIDITY<br>Up to 75% non-condensing             |
| Technical | POWER SUPPLY:<br>External source (3-16 V)                                                                                            | VOLTAGE LEVEL:<br>2000mV – 5500mV                          |
|           | RGB SENSOR<br>Monitors Light LEDs                                                                                                    |                                                            |
|           | FREQUENCY<br>868 MHz                                                                                                                 | WIRELESS RANGE<br>Range in free field:>300m                |
|           | PROTOCOLS<br>Proprietary wireless protocol                                                                                           |                                                            |
|           | TEST BUTTON<br>Transmits a test signal                                                                                               | LEDs<br>Green – ok                                         |
|           | TEMPERATURE<br>-10°C to +50°C +/-0.2                                                                                                 | HUMIDITY<br>0-75% +/-1.                                    |
|           | DETECTS<br>Ok<br>Light source failure<br>Battery failure<br>Power supply failure<br>Discharge failure<br>Self test<br>Discharge test | NEAR FIELD COMMUNICATION (NFC)<br>Sensor type<br>Sensor id |



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