



INSTRUCTION MANUAL

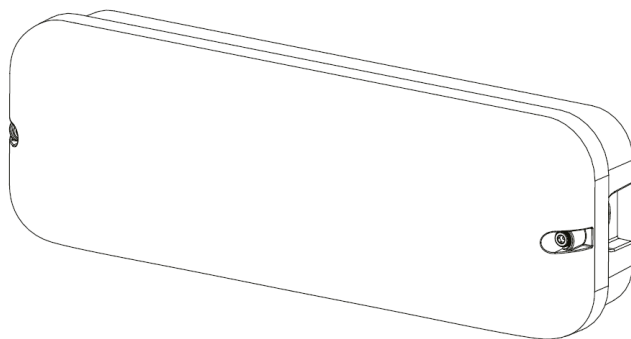
Bulkhead LED Wall/Ceiling Luminaire

Article number: 137-020 ON/OFF

Article number: 137-021 SENSOR

Article number: 137-022 EMERGENCY

Article number: 137-023 SENSOR + EMERGENCY



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website
of Tronix
Lighting



IP65 IK10



TRONIX
guided by light

Attention

Please read these instructions carefully to ensure correct and safe installation, and keep them for future reference.

Contents

Before installation, check that the packaging is complete and undamaged.

Included:

- 1 × LED luminaire
- 2 × Stainless steel screws
- 2 × Silicon washers
- 2 × Wall plugs (ø8 mm) for solid substrates
- Mounting template
- 1 × M20 cable gland
- 1 × Instruction manual

Safety instructions

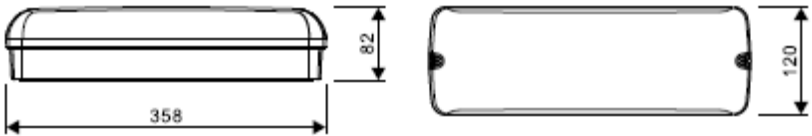
 Please read and keep these instructions carefully before installation and use.

- Installation must be carried out by a qualified installer.
- Disconnect the mains power before installation or maintenance.
- Use only a 220–240 V AC power supply.
- All wiring must comply with applicable NEN standards.
- Do not use damaged cables or connectors.
- The luminaire is Class II and should not be earthed.
- Suitable for indoor and outdoor use (IP65).

Technical data

Input voltage	220-240V AC, 50Hz
LED type	LED SMD2835
Operating temperature	–25...+45°C
Electrical class (I/II/III)	Class 2
Power consumption (adjustable)	2.5W / 4W / 6W
Luminous flux	170 -190 Lm / 370 -400Lm / 620 - 680Lm
Colour temperature	3000K / 4000K / 5700K
CRI	≥80

IP rate	IP65
IK rating	IK10
Material	PC housing with PC opal diffuser
Dimensions	358 × 120 × 82 mm
Mounting	Wall / ceiling
Service life	L80/B10 > 100.000 hours
Politiekeurmerk	1 star
Warranty	5 years

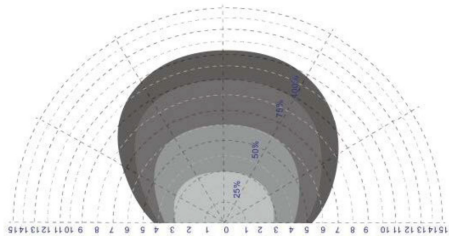
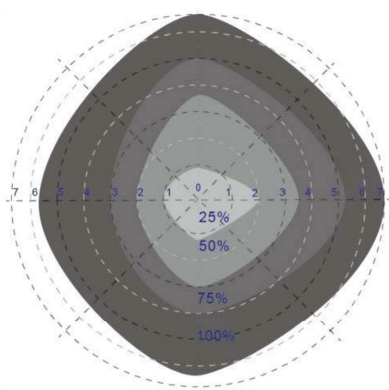


Settings - Microwave sensor

DETECTION RANGE

Ceiling mounting height: 3 m
Sensitivity: 100% / 75% / 50% / 25%

Wall mounting height: 2.5 m
Sensitivity: 100% / 75% / 50% / 25%

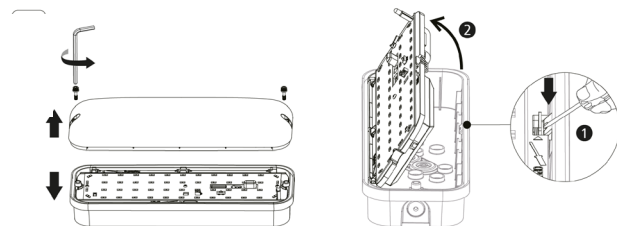


Installation-instructions

- The luminaire is suitable for installation on solid walls and ceilings, such as concrete, masonry, and wood.
- Installation on soft or unstable surfaces (such as plasterboard without structural reinforcement) is not recommended.
- **Determine the mounting position. For compliance with the Politiekeurmerk Veilig Wonen, an installation height of 2.20–2.50 m is recommended.**
- Mark the screw holes using the mounting template.
- **Drill the holes and insert wall plugs if required.**
 - Concrete/masonry: drill Ø8 mm holes for the supplied wall plugs.
 - Wood: pre-drilling with Ø3 mm is recommended for optimal fastening.
- **Securely fasten the housing to the mounting surface.**
- Open the luminaire according to the indicated steps.
- Route the wiring through the cable entry.
- **Connect the electrical wiring in accordance with the specified wiring diagram.**
- Reinstall the housing and lock it securely.

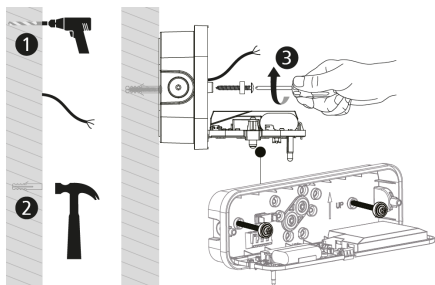
INSTALLATION OF THE LUMINAIRE

⚠ **Note:** To maintain optimal quality, avoid touching the LEDs during installation or maintenance.



STEP 1: Remove the cover by loosening the hex screws on both sides.

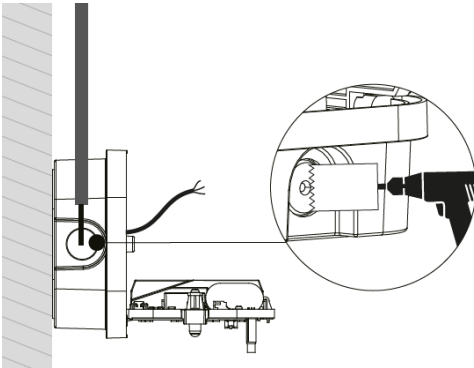
STEP 2: Open the LED plate using a screwdriver.



Installing on a solid surface? Use the supplied screws, wall plugs, and silicon gasket to ensure watertightness and impact resistance.

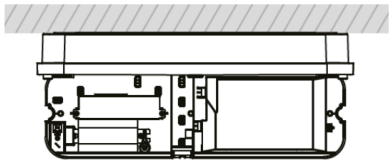
Installing on a different surface? Consult your supplier to determine which screws and wall plugs are suitable for a correct and safe installation.

CONNECTING AND SECURING THE LUMINAIRE



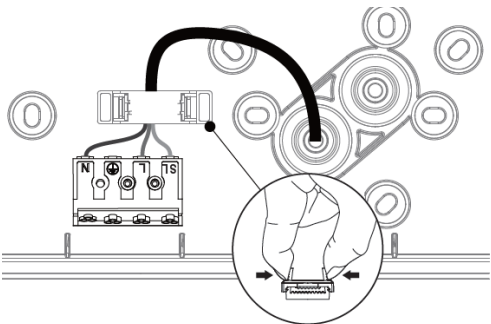
WALL MOUNTING

Feed the cable through the grommet.
If the wiring is routed through the side, the supplied M20 cable gland can be used.



CEILING MOUNTING

CONNECTING AND INSTALLING THE LUMINAIRE



Standard	Emergency
L = Line N = Neutral	SL = Switched line L = Line N = Neutral

Wire diameter: 0.5-2.5mm²
Wire stripping length: 8-10mm

ADJUSTING THE LUMINAIRE

Setting colour temperature:

	3000K
	4000K
	5700K

Sensor settings:
See settings sensor, page 6

Set power:

	2,5W = 170 - 190 Lm
	4W = 370 - 400 Lm
	6W = 620 - 680 Lm

DIP SWITCH 1 & 2 DETECTION RANGE

Determines the size of the area in which motion is detected. A lower percentage reduces the detection range and helps prevent unwanted activations.



DIP 1	DIP 2	Detection range
ON	ON	100%
ON	OFF	75%
OFF	ON	50%
OFF	OFF	25%

DIP SWITCH



DIP SWITCH 3 & 4 - HOLD TIME

Sets how long the luminaire remains at 100% output after the last motion is detected.



DIP 3	DIP 4	Hold time
ON	ON	5 s
ON	OFF	30 s
OFF	ON	3 min
OFF	OFF	10 min

DIP SWITCH 5 & 6 - DAYLIGHT SENSOR (LUX)

Determines the ambient light level at which the sensor becomes active. When sufficient daylight is present, the luminaire will not switch on. OFF indicates that the daylight sensor is disabled.



DIP 5	DIP 6	Daylight sensor
ON	ON	15 lux
ON	OFF	50 lux
OFF	ON	150 lux
OFF	OFF	OFF

DIP SWITCH 7 & 8 - STAND-BY DIM LEVEL

Determines the delay time between the end of the hold time and complete switch-off. When set ∞ , the luminaire remains in standby and does not switch off completely. This setting has daylight priority.



Dip 7	DIP 8	Stand-by periode
ON	ON	0 s
ON	OFF	1 min
OFF	ON	10 min
OFF	OFF	∞

DIP SWITCH 9 - STAND-BY DIM LEVEL

Determines the light output level during the standby period. When set to 100% in combination with a standby period of ∞ , the sensor can be used as a light/dark sensor: the luminaire switches on automatically at dusk and switches off again in daylight.

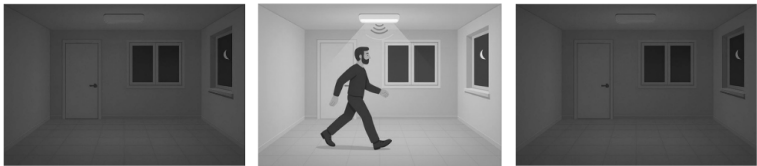


Dip 9	Stand-by dim level
ON	20%
OFF	100%

FUNCTION

Set for on/off switching based on motion detection.

With the settings below, the luminaire switches fully on when motion is detected and switches fully off after the set time.



DIP 1	DIP 2	Detection range
ON	ON	100%
ON	OFF	75%
OFF	ON	50%
OFF	OFF	25%

Set the desired detection range (25–100%).

This determines how sensitively the sensor responds to motion.



DIP 3	DIP 4	Hold time
ON	ON	5 s
ON	OFF	30 s
OFF	ON	3 min
OFF	OFF	10 min

Select the desired switch-on time.

The time the luminaire remains on after the last detected motion.



DIP 5	DIP 6	Daylight sensor
ON	ON	15 lux
ON	OFF	50 lux
OFF	ON	150 lux
OFF	OFF	OFF

Set the desired lux level.

OFF = the luminaire responds to motion at all times, even when sufficient daylight is present.

This setting determines the ambient light level at which the luminaire is allowed to switch on.



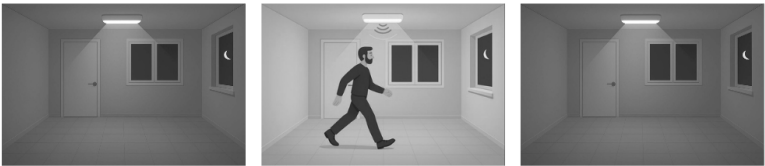
Set the standby period to 0 s; set DIP switches 7 & 8 to ON.



No function when the standby period is set to 0 s.

Set for 2-step dimming (motion-dependent).

With this setting, the luminaire switches to 100% light output when motion is detected and dims back to a fixed low DIM LEVEL after the set time.



DIP 1	DIP 2	Detection range
ON	ON	100%
ON	OFF	75%
OFF	ON	50%
OFF	OFF	25%

Set the desired detection range (25–100%).

This determines how sensitively the sensor responds to motion.



DIP 3	DIP 4	Hold time
ON	ON	5 s
ON	OFF	30 s
OFF	ON	3 min
OFF	OFF	10 min

Select the desired switch-on time.

The duration for which the luminaire remains on after the last detected motion.



Set the daylight sensor to OFF (Disable).

Set DIP switches 5 & 6 to OFF.

The luminaire will respond to motion at all times, regardless of the ambient light level.



Set the standby period to ∞

Set DIP switches 7 and 8 to OFF.

The luminaire does not switch off completely but remains in standby mode.

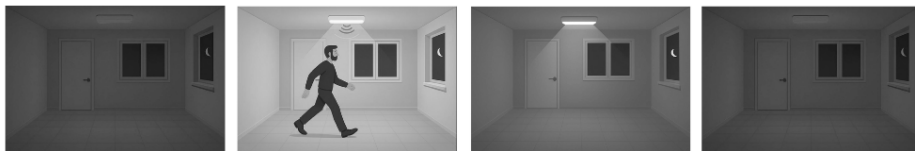


Set the standby dim level to 20%.

Set DIP switch 9 to ON.

Configure for 3-step dimming (motion- and daylight-dependent)

With this setting, the luminaire switches from off → on (100%) → dimmed → off, depending on daylight, motion, and time.



DIP 1	DIP 2	Detection range
ON	ON	100%
ON	OFF	75%
OFF	ON	50%
OFF	OFF	25%

Set the desired detection range (25–100%)

Determines how sensitively the sensor responds to movement.



DIP 3	DIP 4	Hold time
ON	ON	5 s
ON	OFF	30 s
OFF	ON	3 min
OFF	OFF	10 min

Select the desired switch-on time

This is the period the luminaire remains on after the last detected movement.



DIP 5	DIP 6	Daylight sensor
ON	ON	15 lux
ON	OFF	50 lux
OFF	ON	150 lux
OFF	OFF	OFF

Set the desired lux level

When set to Off, the luminaire always responds to motion, even when there is sufficient daylight. *This setting determines at which ambient light level the luminaire is allowed to switch on.*



Dip 7	DIP 8	Stand-by periode
ON	ON	0 s
ON	OFF	1 min
OFF	ON	10 min
OFF	OFF	∞

Set the standby period to 3 minutes or 10 minutes.

This determines how long the luminaire remains at the standby dim level before switching off completely.



Set the standby dim level to 20%.

Set DIP switch 9 to ON.

Configure for daylight priority (Daylight Priority mode)

With this setting, daylight always takes priority. The luminaire switches on automatically when the ambient light level falls below the set lux value, without any motion being required.



DIP 1	DIP 2	Detection range
ON	ON	100%
ON	OFF	75%
OFF	ON	50%
OFF	OFF	25%

Set the desired detection range (25–100%).

This determines how sensitively the sensor responds to movement.



DIP 3	DIP 4	Hold time
ON	ON	5 s
ON	OFF	30 s
OFF	ON	3 min
OFF	OFF	10 min

Select the desired switch-on time.

This is the duration the luminaire remains on after the last detected movement.



DIP 5	DIP 6	Daylight sensor open	Daylight sensor close
ON	ON	15 lux	150 lux
ON	OFF	50 lux	150 lux
OFF	ON	150 lux	300 lux
OFF	OFF	OFF	OFF

Set the desired lux level.

When set to Off, the luminaire always responds to motion, even when there is sufficient daylight. This setting determines the ambient light level at which the luminaire is permitted to switch on.



Set the standby period to ∞

Set DIP switches 7 and 8 to OFF

The luminaire remains active and can switch based on daylight and motion.



Set the standby dim level to 20%.

Set DIP switch 9 to ON

Configure as a light–dark sensor (without motion detection).

With this setting, the luminaire functions as a light–dark sensor. It switches on automatically in darkness and off when there is sufficient daylight, independent of motion.



This setting has no effect on this function.
Motion is not required for switching.



Select the desired switch-on time.
This is the duration the luminaire remains on after the last detected movement.



DIP 5	DIP 6	Daylight sensor open	Daylight sensor close
ON	ON	15 lux	150 lux
ON	OFF	50 lux	150 lux
OFF	ON	150 lux	300 lux
OFF	OFF	OFF	OFF

Set the desired lux level.
This determines the ambient light level at which the luminaire is allowed to switch on.



Set the standby period to ∞
Set DIP switches 7 and 8 to OFF.
The luminaire remains active and continuously responds to changes in daylight.



Set the standby dim level to 100%.
Set DIP switch 9 to OFF.
The luminaire switches fully on when it becomes dark.

Emergency pack– additional info

Additional information about the emergency pack (if applicable).

INSTRUCTIONS FOR THE AUTOMATIC TEST FUNCTION

Automatic self-test

As soon as the device is powered, an automatic self-test and diagnostic check are performed:

- Continuous: monitoring for battery disconnection and charging circuit faults.
- Monthly: 3-minute functional test.
- Annually: 3-hour duration test.

All test functions are factory preset and do not require any on-site adjustment.

LED INDICATION – STATUS / MEANING

- Solid green: ready / normal operation
- Green flashing: testing

Fault indications

- Red: service required
- 1 flash within 4 seconds: no connection to the battery
- 2 flashes within 4 seconds: low battery voltage
- 3 flashes within 4 seconds: charger fault
- 4 flashes within 4 seconds: transformer fault

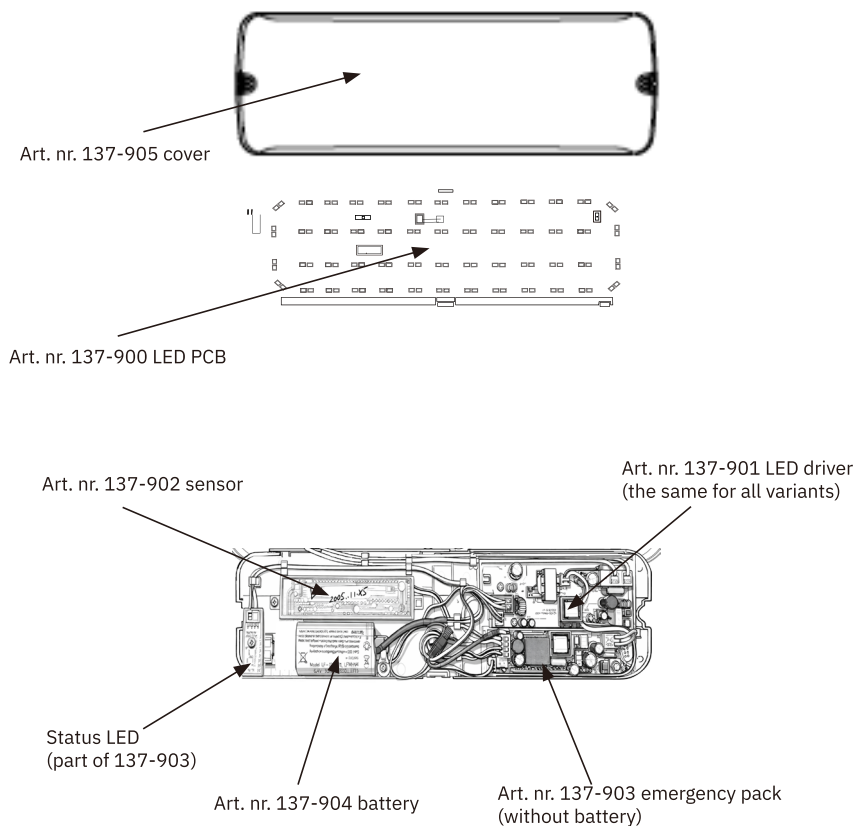
Replaceable parts

⚠ Note: Replacement must be carried out by qualified personnel only.

The internal components listed below are part of the luminaire's electrical system. These components may only be inspected, replaced, or repaired by a qualified electrician.

Improper replacement or unqualified intervention may lead to:

- Electric shock
- Damage to the luminaire
- Reduced performance or service life
- Loss of warranty
- Hazardous situations



Maintenance

Cleaning instructions:

- Clean using a soft cloth and a mild household cleaning solution.
- Do not use abrasive pads, aggressive cleaners, or alcohol to prevent damage.

Graffiti removal

- Always remove graffiti within 24 hours to prevent permanent adhesion.
- Use a mild graffiti removal product suitable for polycarbonate.

Warranty & Service

This product is supplied with a 5-year warranty covering manufacturing defects. For service or repairs, please contact your supplier.

Important terms & symbols

- CE – complies with EU directives
- WEEE – electronic waste; mandatory recycling
- IP65 – dust-tight and protected against water jets
- IK10 – impact-resistant housing
- Class II – double insulated
- SKG - politiekeurmerk



IP65 IK10



IMPORTER/SUPPLIER

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