

EXTRA-P

Technical conditions for mounting luminaire

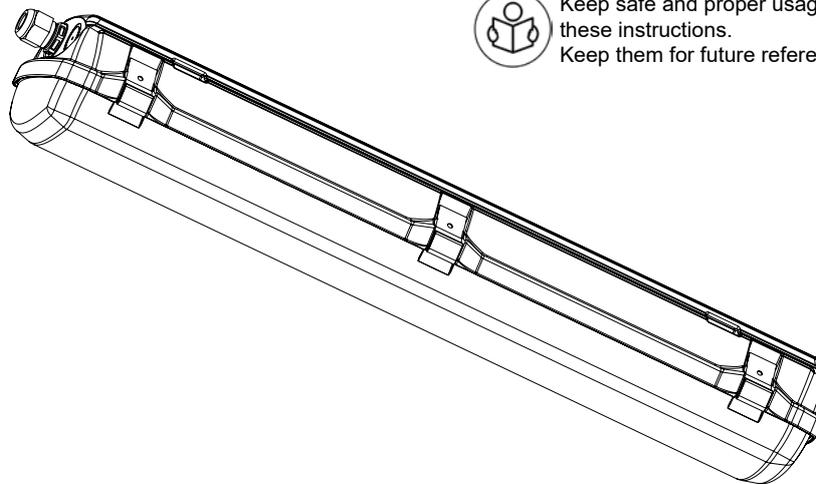
ENG

11.03.2026/ rev.3
www.vyrtych.cz

IP66/ IP67, insulation class I

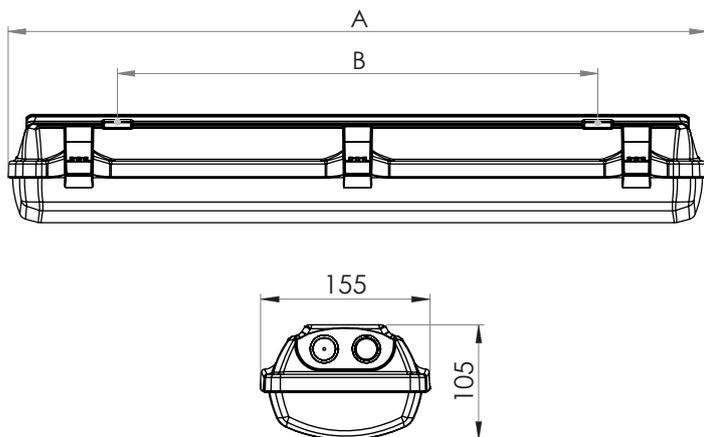


Keep safe and proper usage by following these instructions. Keep them for future reference.



Luminaire dimensions:

Typ	A (mm)	B (mm)
EXTRA-P-α-L06-γγγ-δδδ00-εεεε-PD	670	460
EXTRA-P-α-L12-γγγ-δδδ00-εεεε-PD	1280	880
EXTRA-P-α-L15-γγγ-δδδ00-εεεε-PD	1580	1000



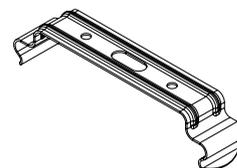
Standard equipment:



2x Ex plastic cable plug M20



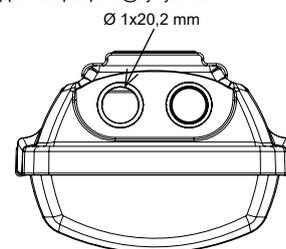
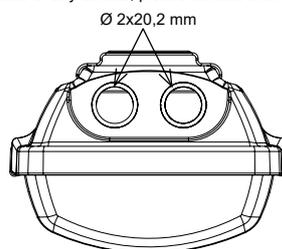
2x Ex plastic cable gland M20



2x stainless fastening brackets (AISI304)

The luminaire is normally equipped with 3x openings with a diameter of 20.2 mm. The wall thickness of the luminaire is 2.5 mm.

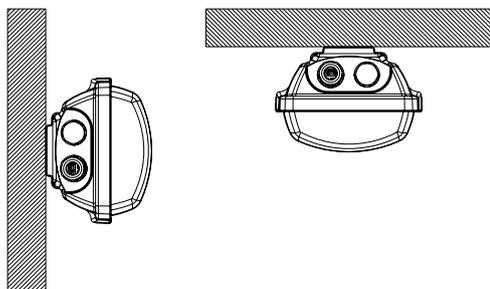
When using your own cable glands, they must comply with the required type of seal, IP protection rating, temperature range (the same as for the glands we supply), and other technical parameters. Always carry out the installation according to the installation instructions provided by the gland manufacturer. In case of any doubts, please contact technical support at: podpora@vyrtych.cz



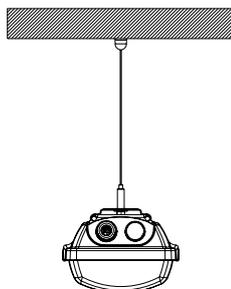
⚠ Additional holes may only be drilled in locations specified by the manufacturer. Always use a step drill to ensure the correct hole diameter. Carefully deburr the edges of the hole until smooth. If any other part of the luminaire is damaged, do not continue using it.

Types of mounting:

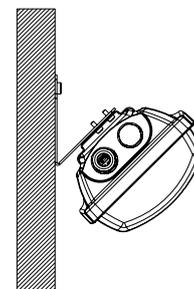
Mounting procedure using fastening brackets directly onto the supporting surface



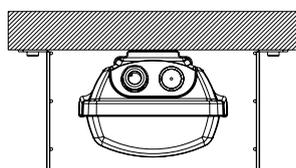
With cable suspender



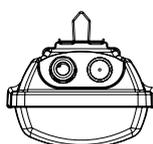
With wall bracket - angle 45°



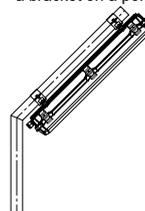
With protective cage



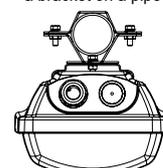
With wire suspension



Mounting procedure using a bracket on a pole

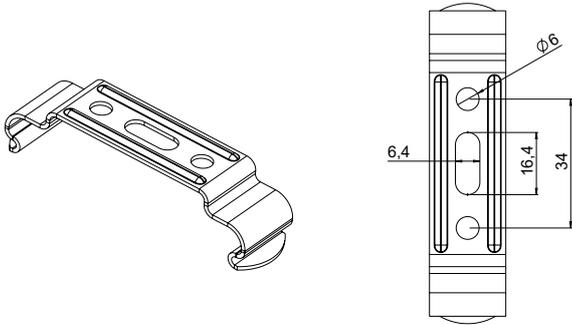


Mounting procedure using a bracket on a pipe



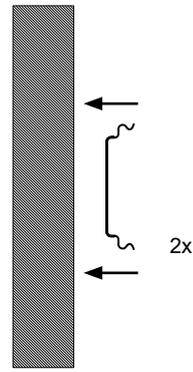
Mounting procedure using fastening brackets directly onto the supporting surface:

1

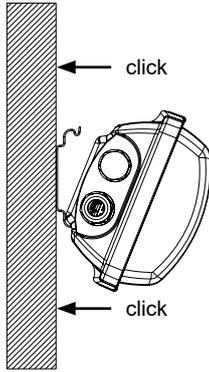


67492 - Set of stainless steel fastening brackets EXTRA - AISI304 (2 pcs)
67493 - Set of stainless steel fastening brackets EXTRA - AISI316L (2 pcs)

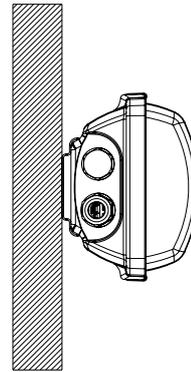
2



3

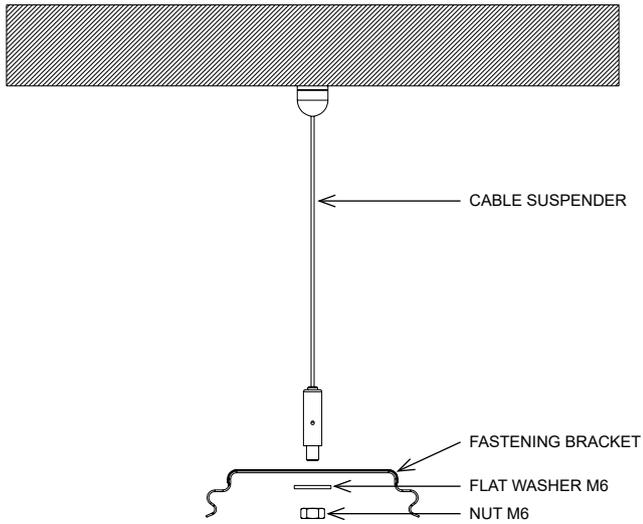


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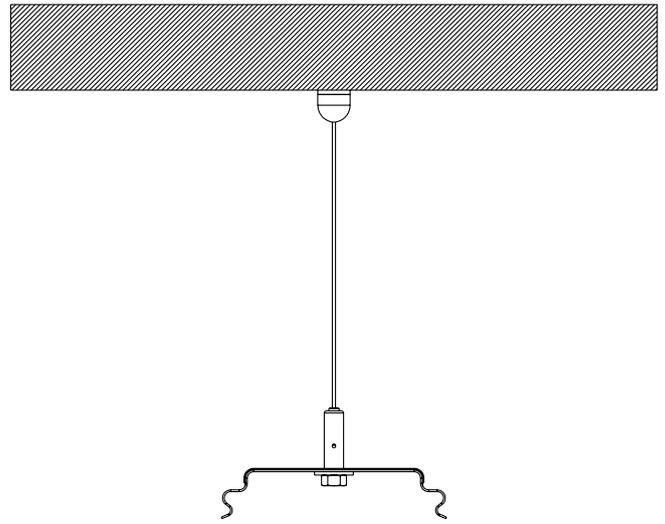
Mounting with cable suspender:

1

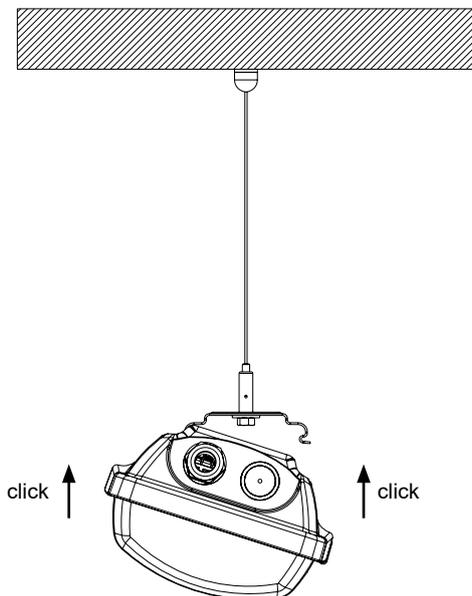


3575 - Cable suspender - 3 m (2 pcs)

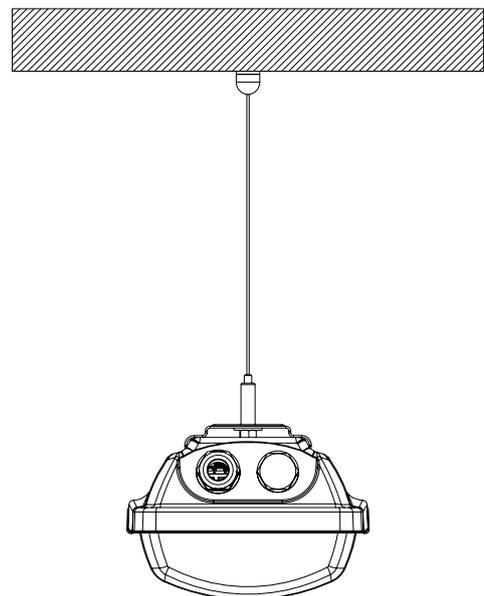
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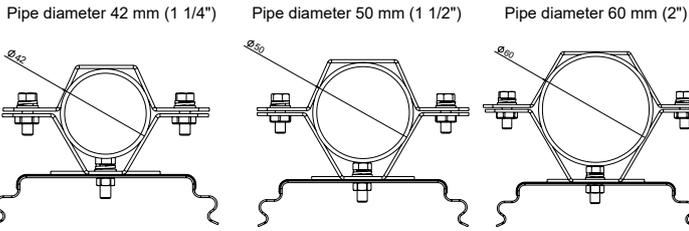


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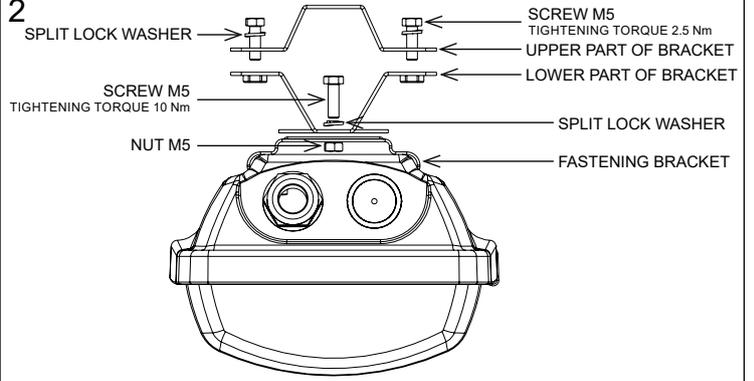
Mounting procedure using a pole brackets:

1

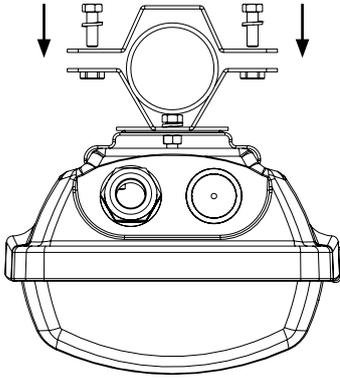


60091 - Set of pole brackets Ø 42 mm (1 1/4") AISI304 (2pcs) / 60090 - Ø 50 mm (1 1/2") / 60089 - Ø 60 mm (2")
 66931 - Set of pole brackets Ø 42 mm (1 1/4") AISI316 (2pcs) / 66930 - Ø 50 mm (1 1/2") / 66929 - Ø 60 mm (2")

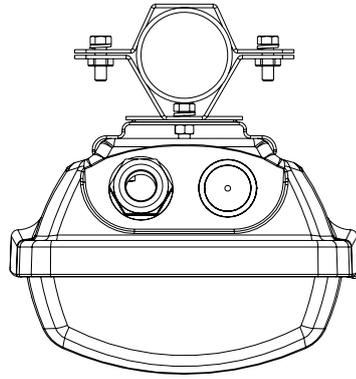
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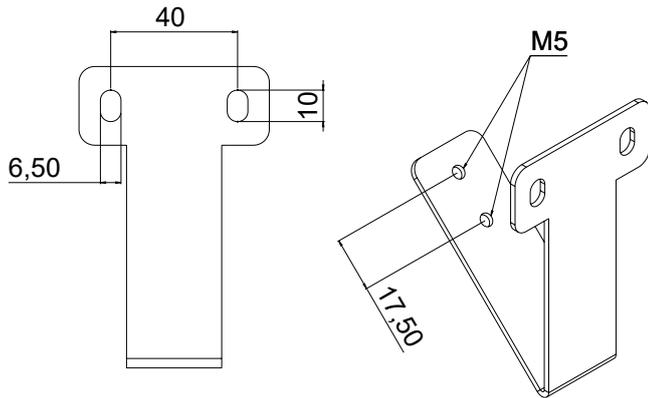


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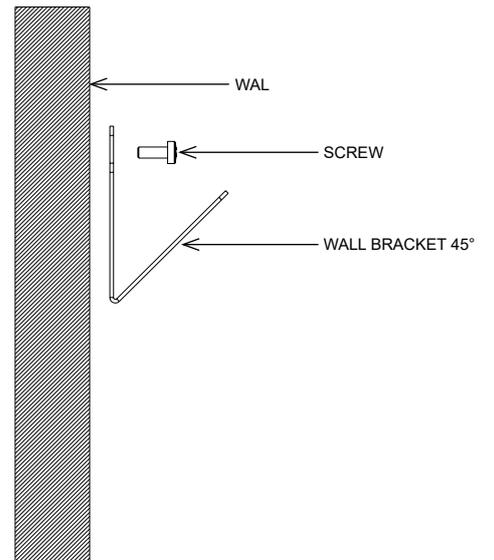
Mounting procedure using a 45° wall bracket:

1

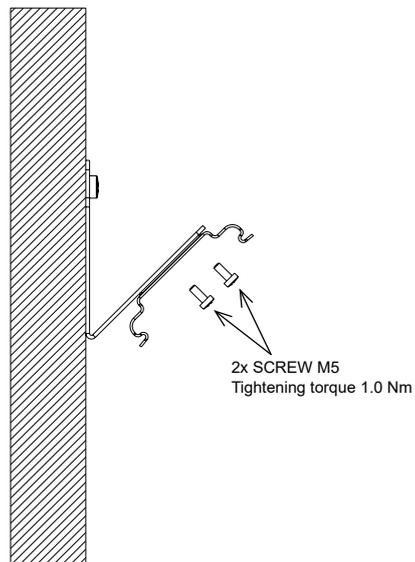


34607 - Set of wall brackets - 45° angle EXTRA, AISI304 (2 pcs)
 67005 - Set of wall brackets - 45° angle EXTRA, AISI316 (2 pcs)

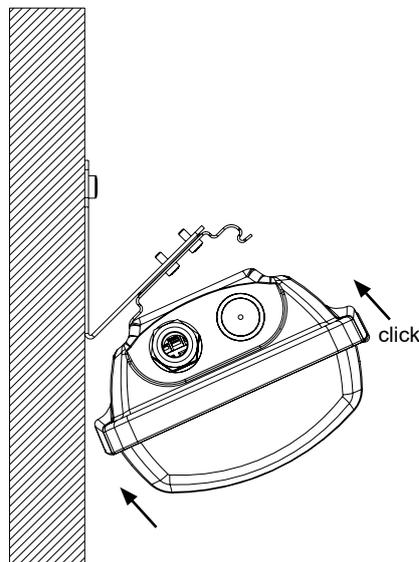
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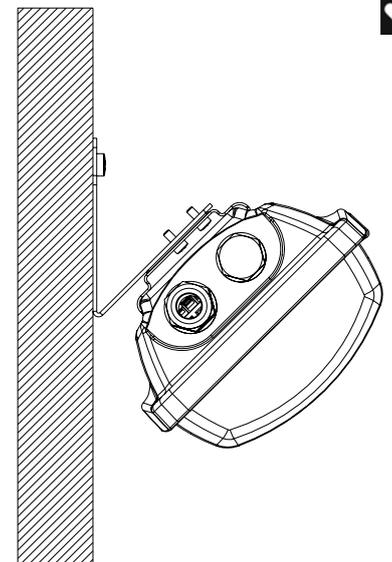
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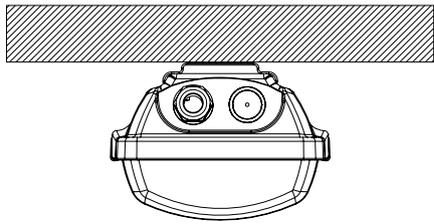


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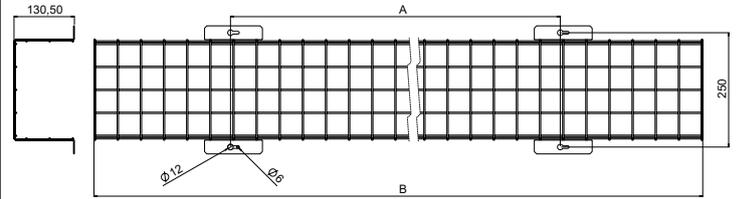


Mounting procedure with protective cage:

1

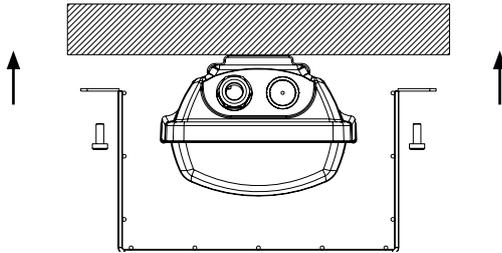


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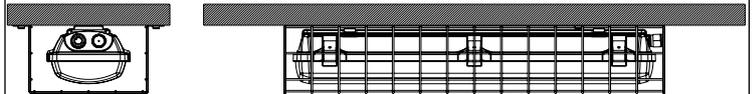


		A (mm)	B (mm)
20041	Protective cage EXTRA, EUROPA - L06	400	700
20042	Protective cage EXTRA, EUROPA - L12	700	1300
20043	Protective cage EXTRA, EUROPA - L15	1000	1600

3

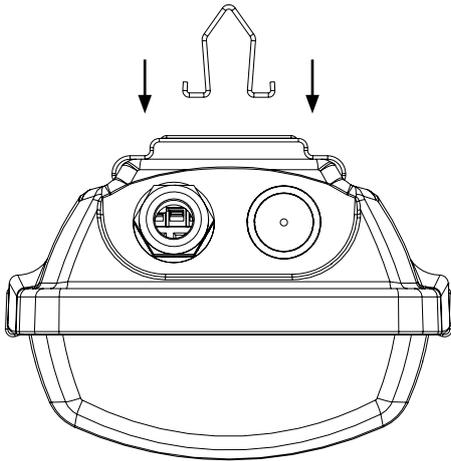


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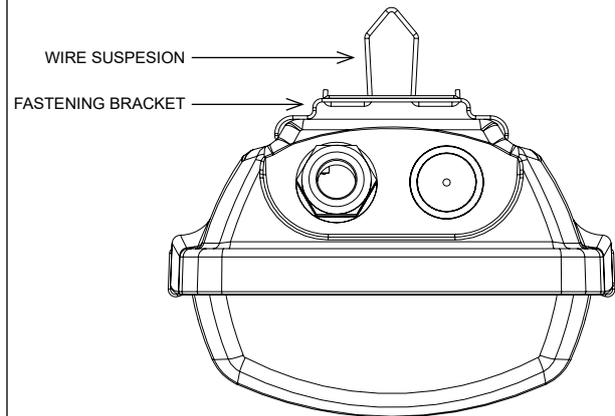


Mounting procedure with wire suspensions:

1

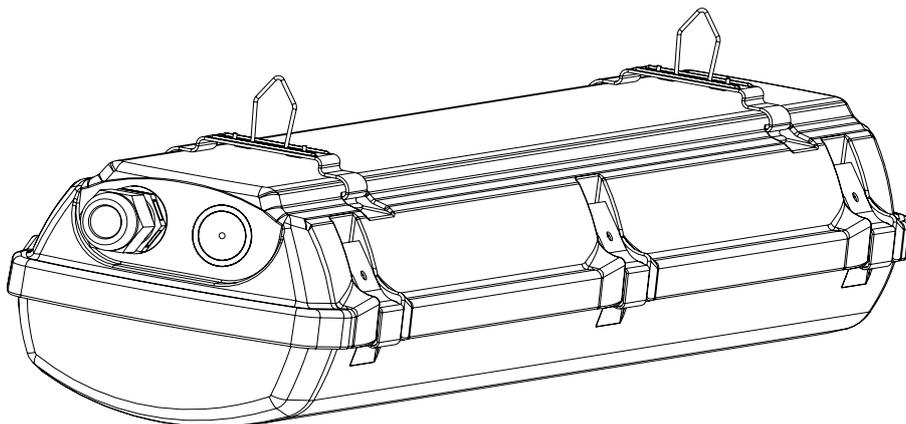


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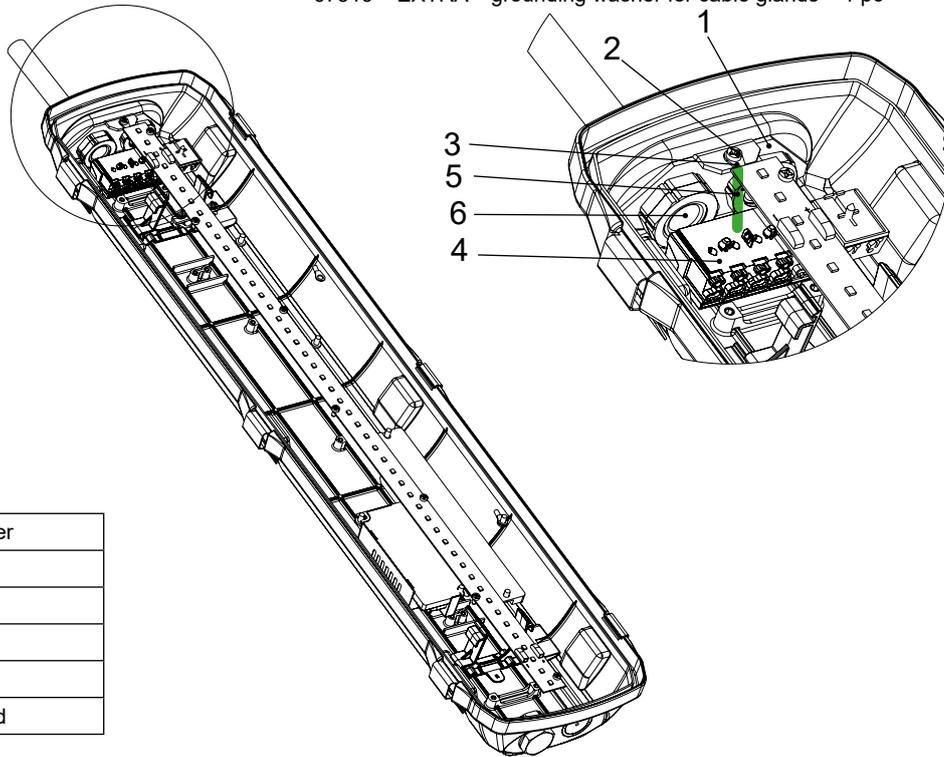


69110 - Set of wire suspension EXTRA (2 pcs)

3

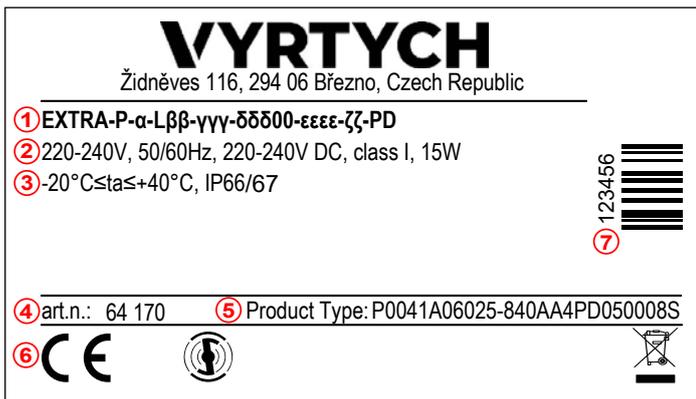


Grounding of metal cable glands with armored cable: 65909 – EXTRA equipment – cable glands M20 for armored cable
 69111 – EXTRA equipment – cable glands M25 for armored cable
 67516 – EXTRA – grounding washer for cable glands – 1 pc



1	Grounding washer
2	M4 screw
3	Cable eye
4	Terminal block
5	Protective wire
6	Metal cable gland

Luminaire marking:

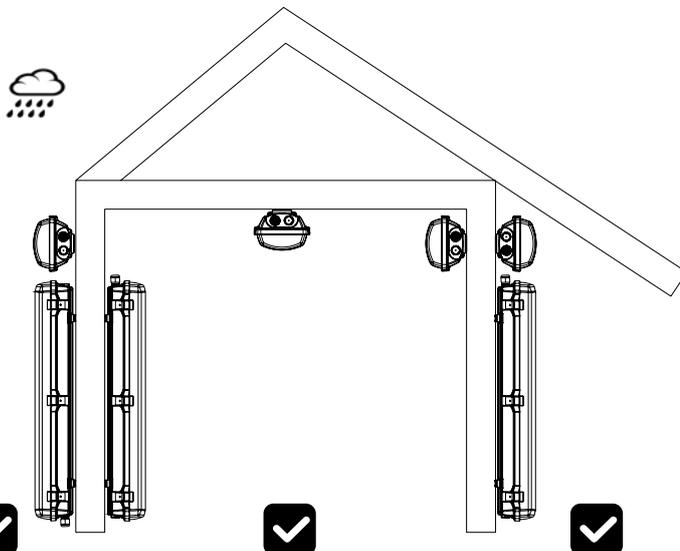


Luminaire marking:

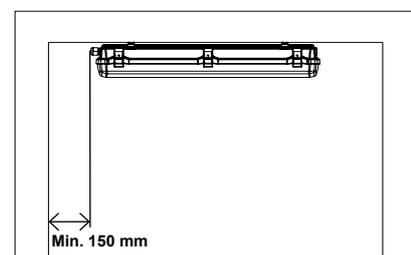
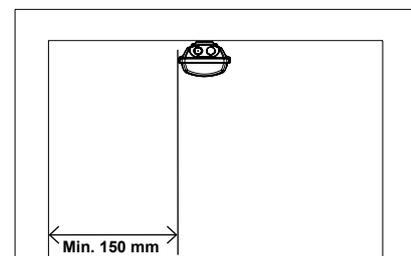
- Name of the luminaire**
 EXTRA - name of the luminaire
 P - industry luminaire
 α - internal marking
 Lββ - luminaire length
 γγγ - CRI/ CCT
 δδδ00 - designation of the luminous flux of the LED source
 εεεε - connection type
 ζζ - internal marking
 PD - polycarbonate opal cover
- Designation of the operating voltage, frequency, insulation class of the luminaire power**
- Designation of the allowable ambient temperature range, and luminaire IP protection rating**
- Item number**
- Luminaire product number**
- Notified body number**
- Lin code**

Picture. 1
 Conditions of outdoor assembly

The light fixture can be installed in both covered and uncovered outdoor areas.

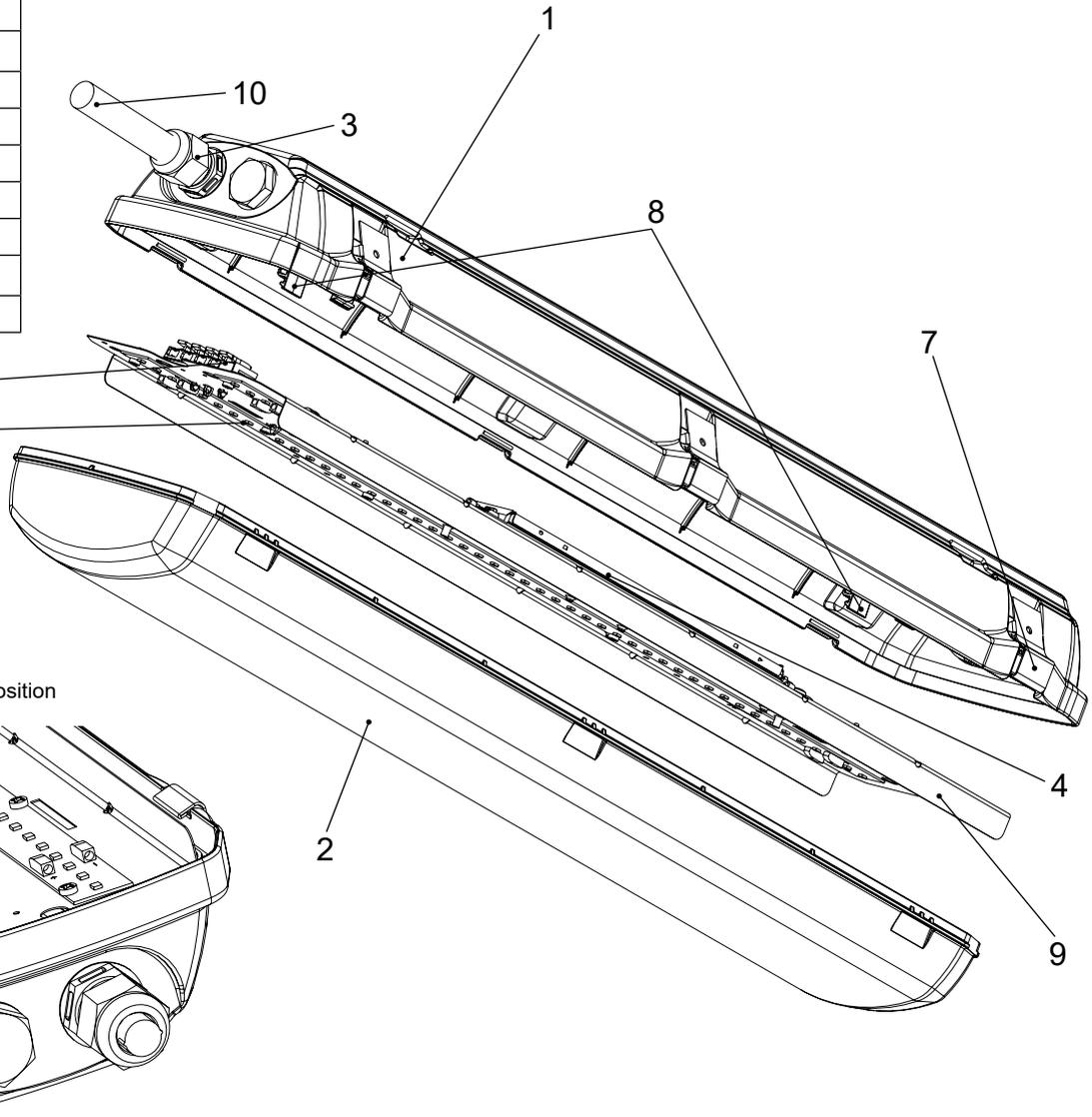


Minimum distance of the light fixture from the wall

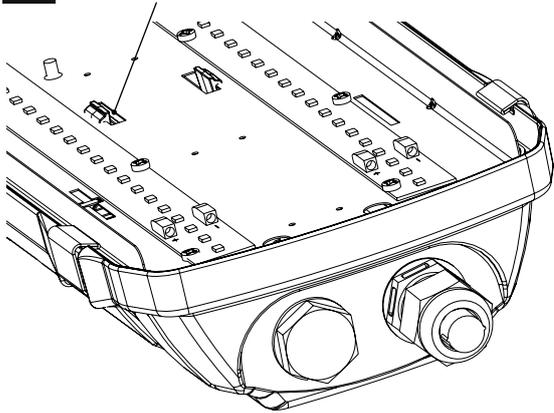


Luminaire construction

Luminaire components	
1	Luminaire housing
2	Luminaire cover
3	Cable gland
4	LED driver
5	Terminal block
6	LED module
7	Stainless clamp
8	Reflector bracket
9	Metal reflector
10	Supply cable



Metal reflector in default position



Installation instructions:

1. Remove the plastic cover from the luminaire (2).
2. Release the reflector from the holders (8).
3. Remove the accessory bag.
4. Install the cable gland and the cable plug on the luminaire. Tighten to the luminaire with a torque of 2.7 Nm. Each gland must be secured with two nuts.
5. Snap the stainless steel clips (7) provided with the fixture onto the fixture hinges.
6. Feed the supply cable (10) through the cable gland (3). Properly tighten the cable glands until the sealing rubber washer is slightly deformed; tightening torque 2.0 Nm.

Cable gland	Sealing area	Tightening torque of the cable gland	Minimum operating temperature of the cable gland
M20x1,5	7 - 13 mm	2.0 Nm	-30°C+60°C

7. Plug the power cable into the free part of the supply terminal block (5) as follows:

CLAMP	TYPE OF LUMINAIRE					STRIPPING THE WIRE
	0ND	0D2	LM3	LM3A	LD3D2	
L1	phase wire	phase wire	charging phase wire	charging phase wire	charging phase wire	
L2	-	-	switched phase wire	switched phase wire	switched phase wire	
DA+	-	DALI +	-	-	DALI +	
DA-	-	DALI -	-	-	DALI +	
N	neutral wire	neutral wire	neutral wire	neutral wire	neutral wire	
Ⓢ	protective wire	protective wire	protective wire	protective wire	protective wire	

0ND - ON/OFF driver **LM3** - Emergency unit 3H + ON/OFF driver **LM3A** - Emergency unit 3H Autotest + ON/OFF driver **LD3D2** - Emergency unit 3H DALI + DALI2 driver

0D2 - DALI2 driver

8. Return the metal reflector (9) to the default position.

9. Attach the luminaire cover (2) and snap the clips (7) into place.

*After closing the fixture, the clips can only be opened using a screwdriver, see picture 3.



When installing the luminaire in humid environments, we recommend using a breathing cable gland to reduce condensation inside the luminaire. The breathing cable gland can be ordered as an accessory.

69108 - Breathing cable gland M20

69109 - Breathing cable gland M25

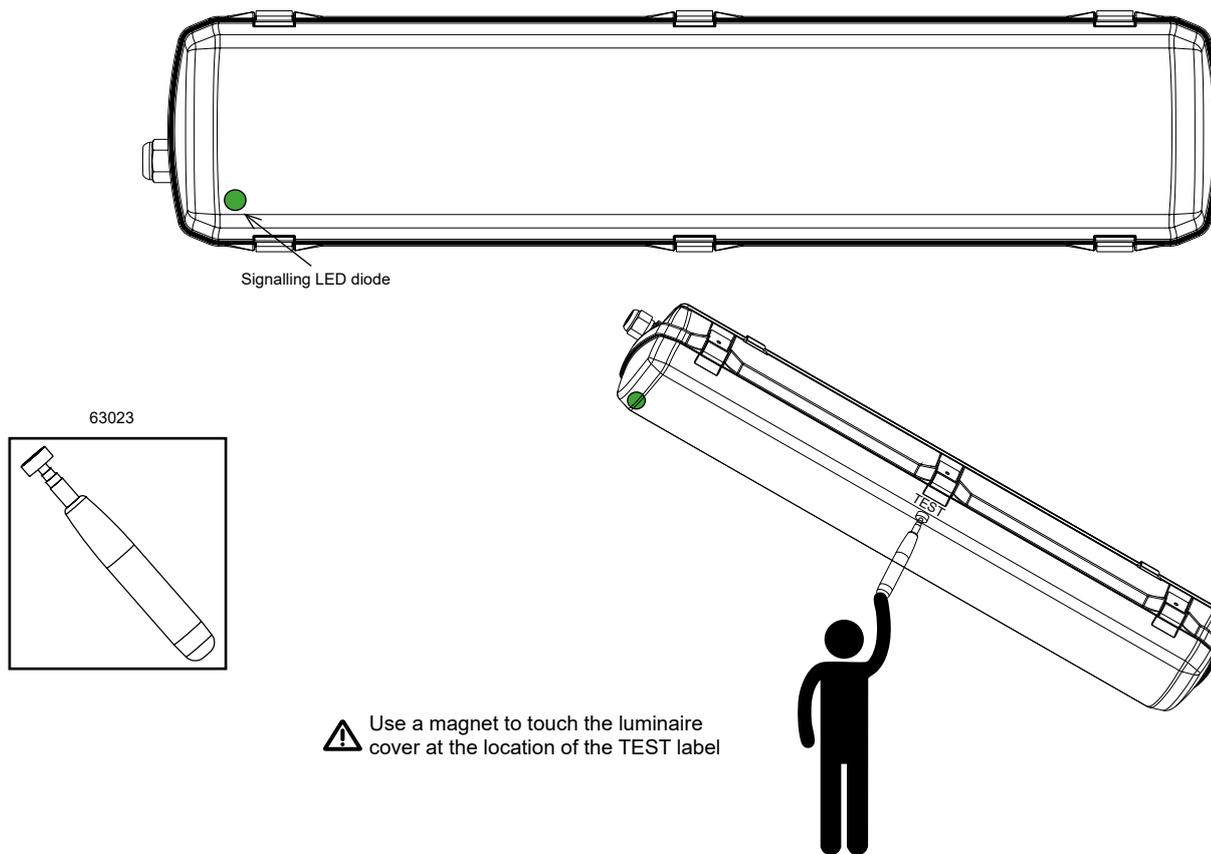
Maximum number of lights connected to a circuit breaker:

Specified in the data sheet.

Functionality Test of the Emergency Lighting System:

To ensure proper operation of the luminaire, the enclosed emergency lighting test record must be followed.
For testing the functionality of the emergency luminaire, place the magnet (luminaire accessory 63023) at the location of the signal LED, marked with a TEST label, see picture 2.
If the emergency source switches off before the specified autonomy time has elapsed, even though the battery is fully charged, the battery must be replaced with a new one.
Note: The battery reaches full capacity after approximately three charging/discharging cycles.

Picture. 2
Functionality test of the emergency lighting system



Battery replacement:

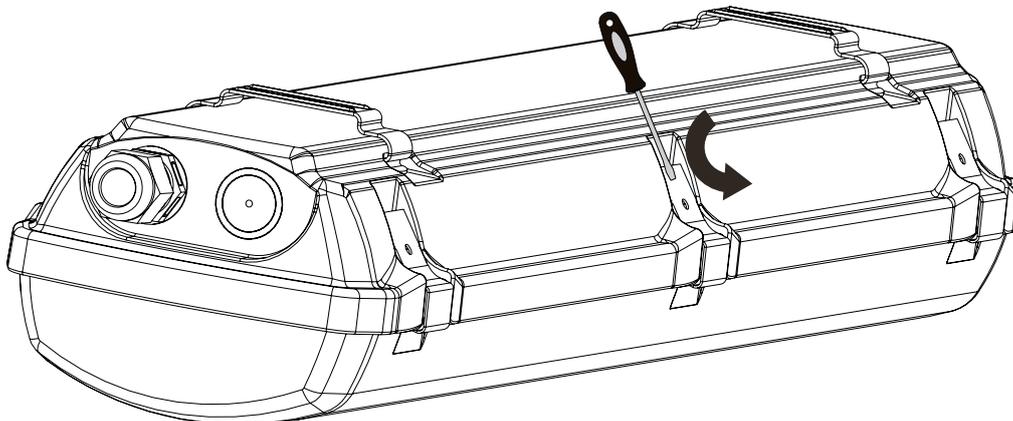
Battery replacement is necessary once the luminaire no longer meets the requirements of its rated operating duration.

1. Disconnect the luminaire from the power supply.
2. Using a screwdriver, release the clips on the optical cover (picture 3).
3. Remove the luminaire cover.
4. Release the reflector from the holders (8) and hang the reflector on the safety cables.
5. Disconnect and remove the old battery using a Phillips screwdriver to unscrew the two screws holding the battery (see picture 4).
6. Mount the new battery (mark installation date).
7. Connect the battery to the emergency unit.
8. Reinstall the reflector in its original position.
9. Fit the luminaire cover back in place and secure the clips.
10. Reconnect to power and verify emergency operation.
11. Confirm that battery charging is indicated properly.

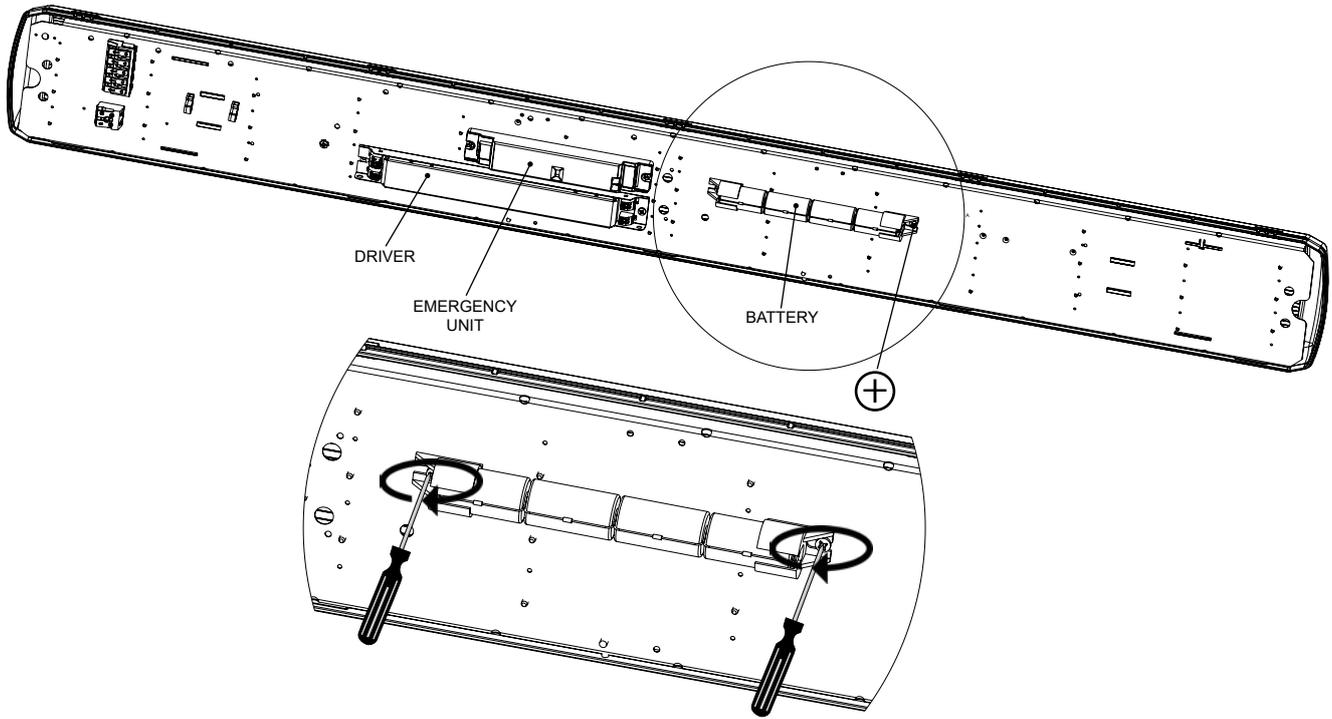
WARNING: Use only batteries of the same type and parameters as indicated on the battery label.

Picture. 3
Release the clips using a flat-head screwdriver

⚠ Using a flat-head screwdriver, carefully lever to unlock the clips on the luminaire.



Picture. 4
Disconnecting and removing the battery using a cross-head screwdriver



Description of luminaire variants by control method:

- ND - ON/OFF luminaire
- D2 - DALI2 luminaire
- LM3A - ON/OFF luminaire + emergency 3h, AUTOTEST
- LM3 - ON/OFF luminaire + emergency 3h
- LA3D2 - DALI2 luminaire + emergency 3h, AUTOTEST
- LM3D2 - DALI2 luminaire + emergency 3h
- LMD3D2 - DALI2 luminaire + emergency 3h, DALI

Description of luminaire variants by connection type:

- ND-1F - ON/OFF luminaire, 3x2.5 mm²
- ND-3F - ON/OFF luminaire, 5x2.5 mm²
- D2-1F - DALI2 luminaire, 5x2.5 mm²
- D2-3F - DALI2 luminaire, 7x2.5 mm²
- LM3A-3F - ON/OFF luminaire + emergency 3h, AUTOTEST, 5x2.5 mm²
- LM3-3F - ON/OFF luminaire + emergency 3h, 5x2.5 mm²
- LA3D2-3F - DALI2 luminaire + emergency 3h, AUTOTEST, 7x2.5 mm²
- LM3D2-3F - DALI2 luminaire + emergency 3h, 7x2.5 mm²
- LMD3D2-3F - DALI2 luminaire + emergency 3h, DALI, 7x2.5 mm²

i Max. conductor cross-section 2.5 mm²

Accessories to order:

In luminaire data sheet.

Basic instructions:

For users of luminaires For users of emergency luminaires For DALI system users

i After clicking on the QR code, you will be redirected to the relevant website.