



LOTO™ COLLECTION

Polyethylene



Concrete



**SCAN OR CLICK TO EXTEND
YOUR GARVAN WARRANTY FOR FREE!**

3 years included, with the option to add
2 extra years at no additional cost

OVERVIEW DESCRIPTION

The Garvan WN120 is a compact 360° outdoor subwoofer from the Loto™ Collection, designed to deliver deep, impactful bass in gardens, terraces, pool areas, and open-air venues. Equipped with a 200 mm woofer in a polyethylene or concrete enclosure with stainless steel support and grille, it combines powerful low-frequency performance with durability and weather resistance. With its 200 W AES power handling, maximum SPL of 122 dB, omnidirectional bass dispersion, and IP-rated protection, the WN120 provides reliable low-frequency reinforcement and seamless integration for residential, hospitality, and professional outdoor applications.

KEY FEATURES

Outdoor 360° subwoofer with 1 × 200 mm woofer

Power handling: 200 W AES / 400 W continuous

Sensitivity: 87 dB (1W/1m), 90 dB (2.83V/1m)

Max SPL: up to 122 dB at 1 m

Frequency response: 55 Hz – 200 Hz (-3 dB)

Extended range: 48 Hz – 200 Hz (-10 dB)

Coverage: true 360° omnidirectional sound dispersion

Construction Materials: polyethylene or concrete cabinet with stainless steel support structure and grille

Weather resistant: Designed for long-term use in a wide range of outdoor environments

Operating temperature range : -25 °C to 70 °C (-13 °F to 158 °F)

Installation accessories: dedicated bases and brackets available for versatile ground or surface mounting

Net Weight: 9,0 kg (Polyethylene)

Dimensions: Ø26,0 x 62,2 cm

IP35

Extended warranty: 3+1+1 years with free registration



Installation Type	Outdoor 360° subwoofer
SINGLE LOUDSPEAKER PERFORMANCE	
AES Power Handling	200 W
Continuous Power Handling ***	400 W
Sensitivity 2,83V / 1m ****	90 dB
Sensitivity 1W/1m ****	87 dB
Calculated Maximum SPL @ 1m*	122 dB
TRANSDUCER	
Type	Subwoofer
Nominal size	1x WF 200mm
Nominal Impedance	4Ω
Loudspeaker EQ	Required, Garvan Preset EQ, Filter and protection available
Recommended High-Pass Filter Protection	45Hz with 48 dB/Oct. High pass Filter
Frequency Response (-3 dB)	55 Hz – 200 Hz **
Frequency Range (-10 dB)	48 Hz – 200 Hz **
Nominal Coverage Angle (1 KHz - 10kHz)	360°
Side Coverage (1500Hz - 10kHz)	-0 dB
Rear Coverage (1500Hz - 10kHz)	-0 dB
PHYSICAL	
Cabinet Material	Polyethylene or Concrete
Ground mounting base	AISI 316L stainless steel
Protective grille	AISI 316 stainless steel painted black
ENVIRONMENTAL FEATURES	
Environment of Use	Outdoor environments
Operating Temperature Range *****	-25 °C to 70 °C (-13 °F to 158 °F)
Environmental protection	IP35
Connectors	External multi-wire cable
Net Weight	9,0 kg (Polyethylene)
Product Dimensions	Ø26,0 x 62,2 cm
LOGISTICAL DATA	
Packaging dimensions	
Shipping Weight	
Quantity of products per package	1 to 2 based on logistics optimization per shipment
MAINTENANCE	
Cleaning Method	Microfiber cloth
General precautions	Do not use harsh cleaning products

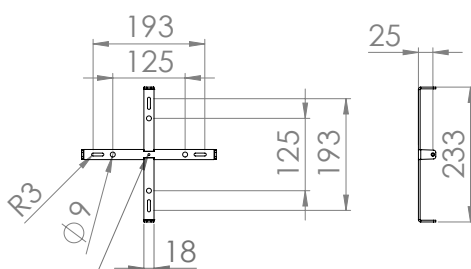
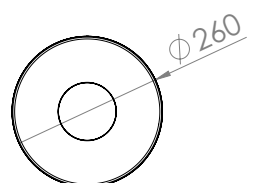
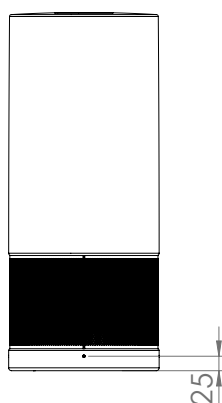
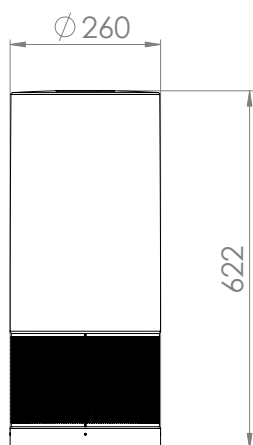
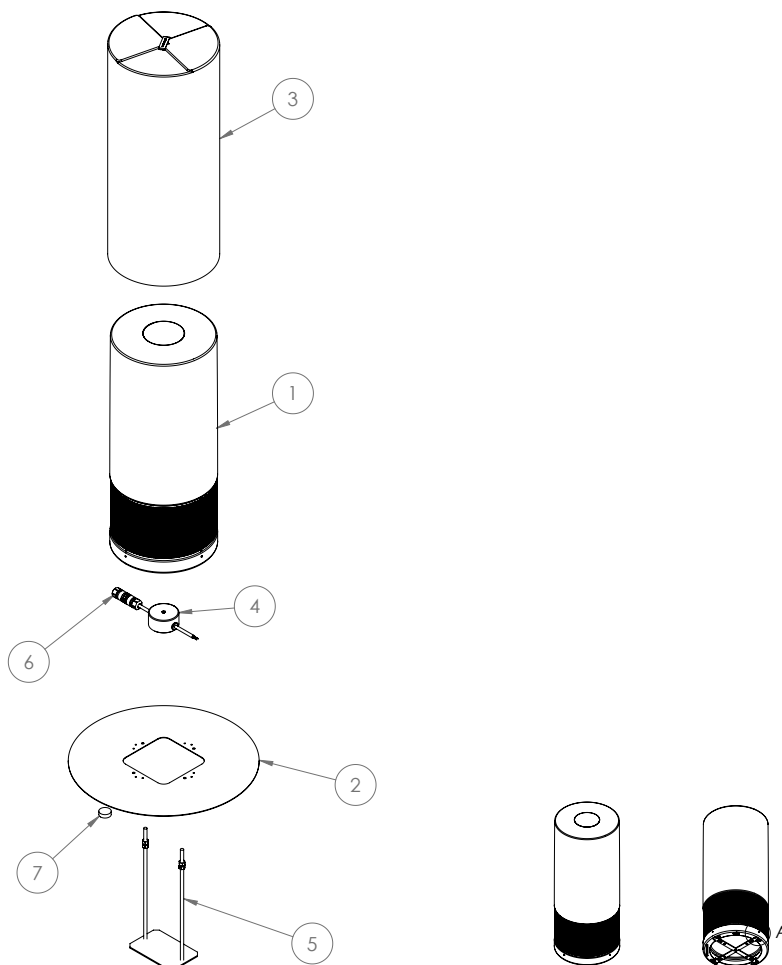
INCLUDED ACCESSORIES	
Ground mounting base	Yes
OPTIONAL ACCESSORIES	
Transformer for high line voltage	TRT055 - 70/100V - 25/37/50W
Transformer for high line voltage	TRT101 - 100V - 100W @4/8Ω
Waterproof 2-pin connector	RP0001
Turf protection plate (Ø 460 mm)	HA046H (matte black) - HA046X (brushed stainless steel)
Ground anti-theft kit	HRX031
Protective Cover	RT001A

CABLE SIZE/LOAD SUGGESTIONS			
Cable size/load	8 ohm	4 ohm	2 ohm
2 sq mm.	20m / 65ft.	10m / 32ft	5m / 16ft
2,5 sq mm.	30m / 100ft.	15m / 50ft	7,5m / 25ft
4 sq mm.	60m / 200ft.	30m / 100ft	15m / 50ft

NOTES:			
* Maximum SPL calculated from sensitivity and power handling specifications, using a signal with crest factor 4 (12dB), exclusive of power compression.			
** With dedicated preset			
*** Power on Continuous Program is defined as 3 dB greater than the Nominal rating.			
**** average SPL measured from 200 Hz to 1,5 kHz			
***** Valid with the dedicated start-up and maintenance procedure. LED versions have a more limited operating temperature range; see LED specifications.			

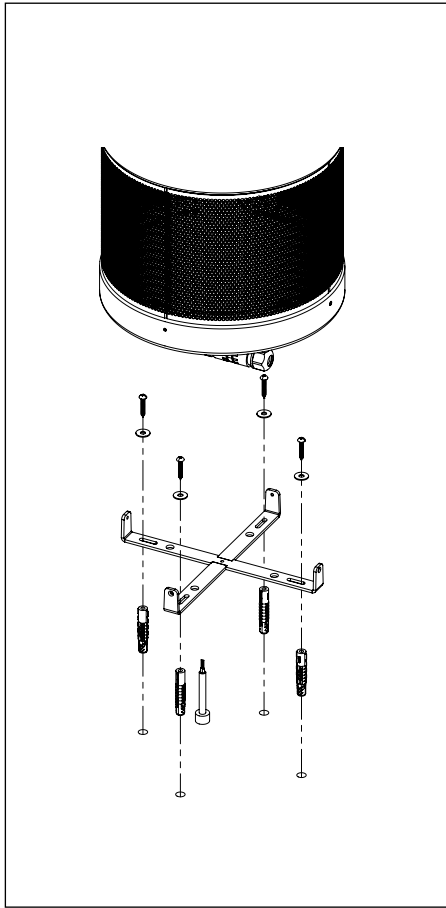
OUTDOOR 360° CODES

- ① 1 Loudspeaker **WN120**
AES POWER **200 W**
TYPE **SUBWOOFER**
NOM. SIZE **1X WF 200 mm**
NOM. IMP. **4Ω**
- ② Turf protection plate **HA046H - HA046X**
- ③ Protective Cover **RT001A**
- ④ Transformer for high line voltage **TRT055 - 70/100V - 25/37/50W**
- ⑤ Ground anti-theft kit **HRX031**
- ⑥ Waterproof 2-pin connector **RP0001**
- ⑦ spacers for freestanding use

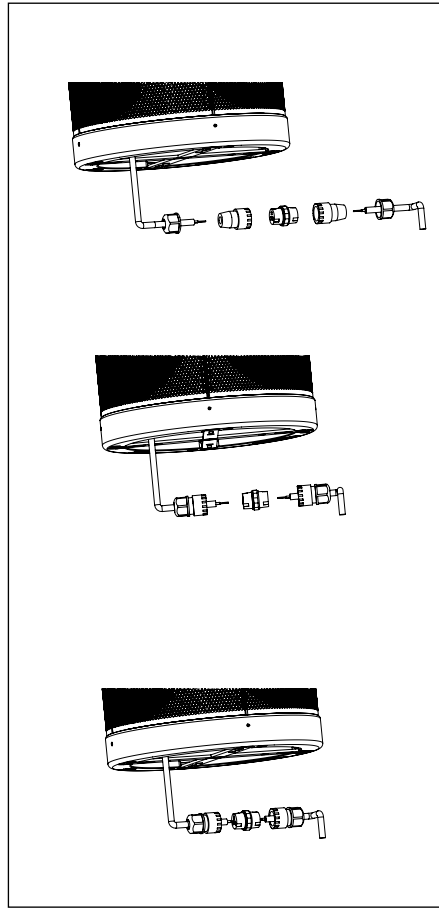


M4 - for fixing 100v line transformer

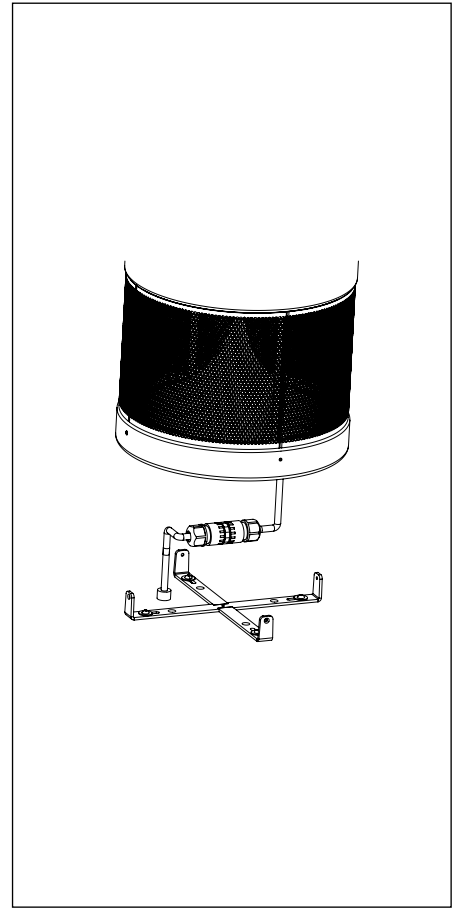
INSTALLATION INSTRUCTIONS **WN120 Outdoor 360°** **Waterproof 2-pin connector RP0001**



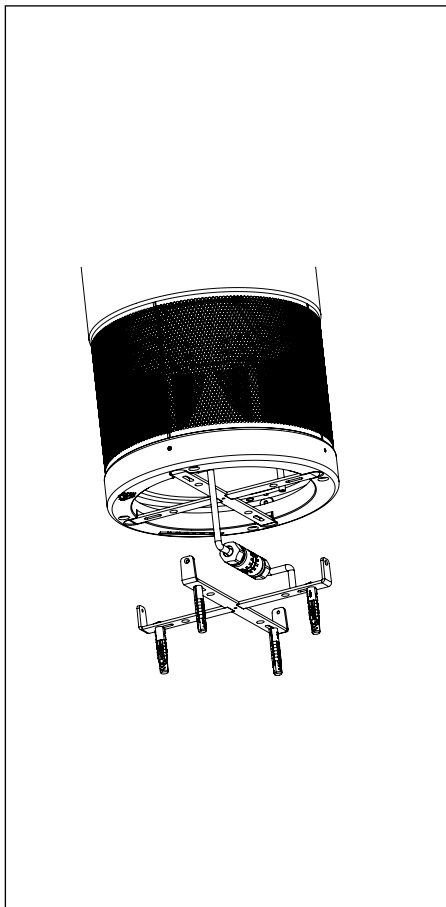
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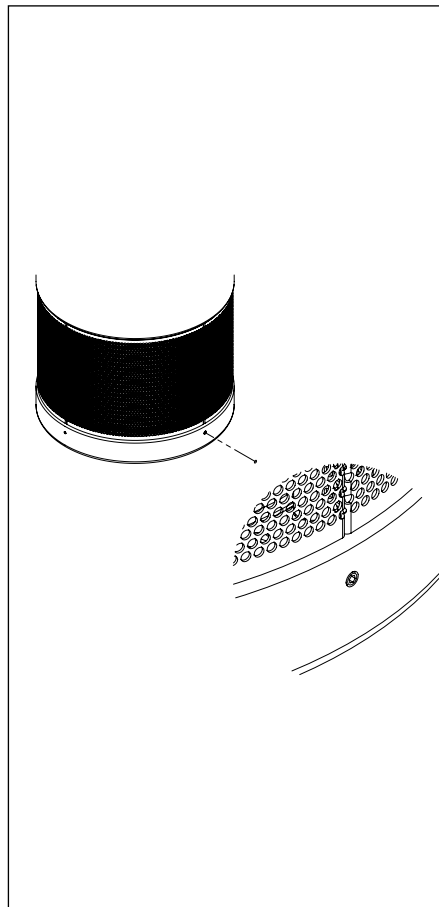
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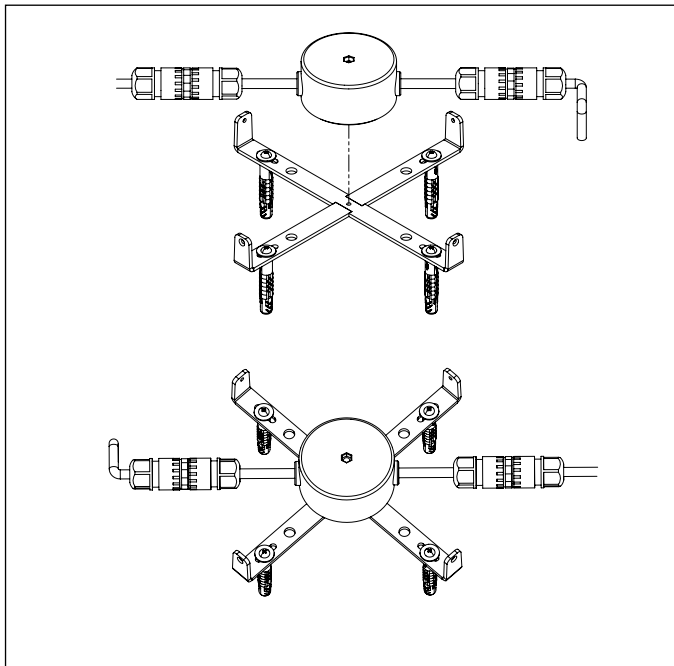


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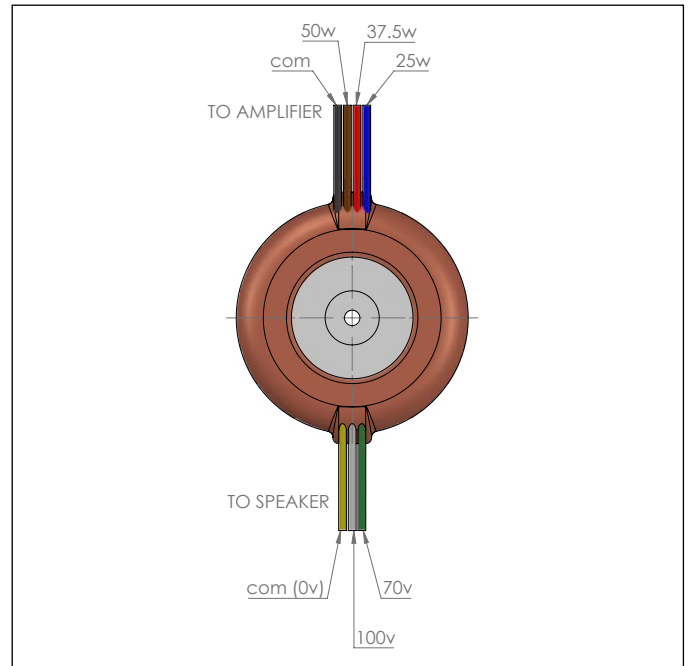


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INSTALLATION INSTRUCTIONS **WN120 Outdoor 360°** Transformer for high line voltage **TRT055 - 70/100V - 25/37/50W**

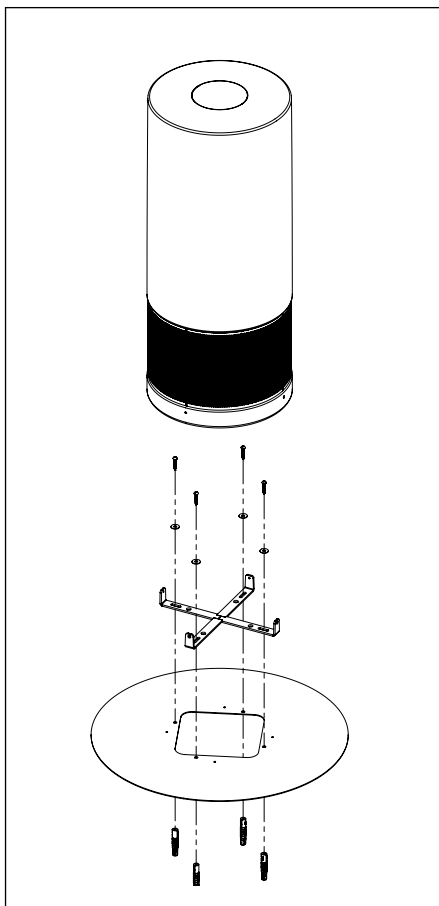


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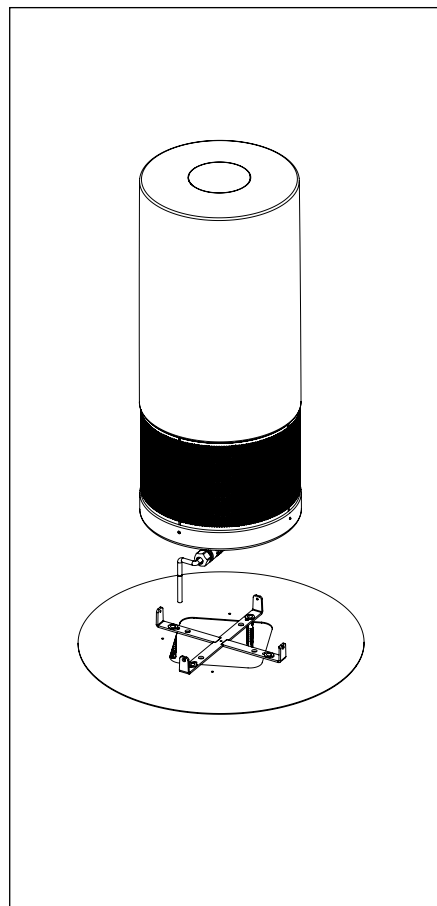


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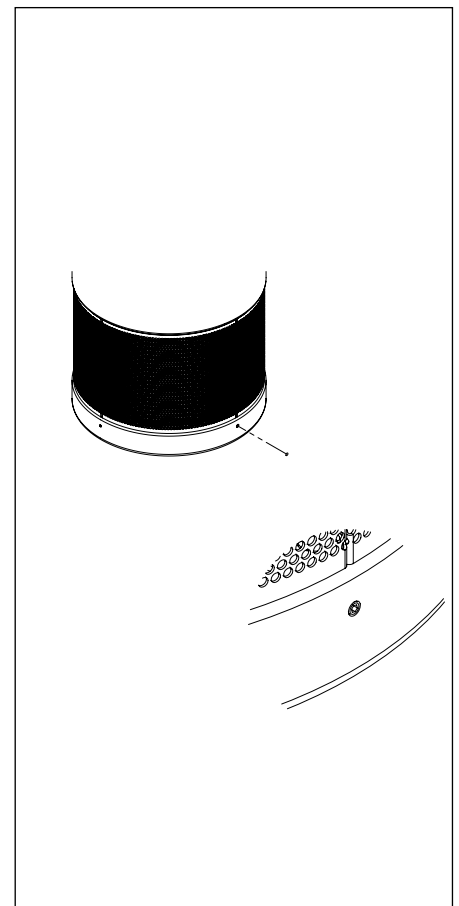
INSTALLATION INSTRUCTIONS **WN120 Outdoor 360°** Turf protection plate **HA046H - HA046X**



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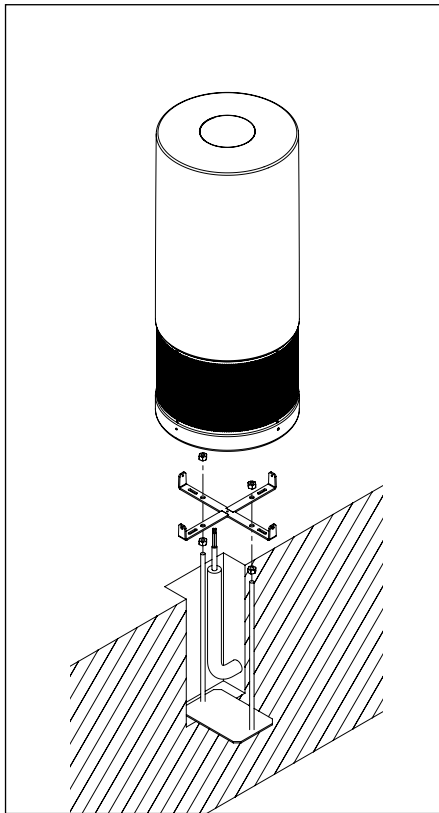


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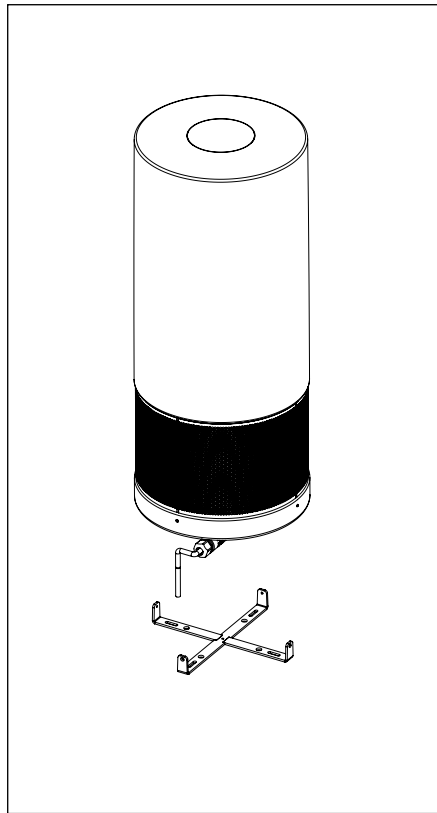


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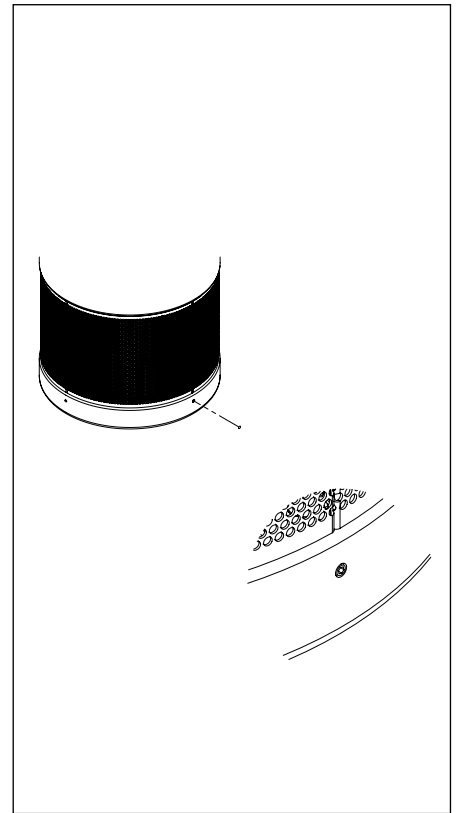
INSTALLATION INSTRUCTIONS **WN120 Outdoor 360°** **Ground anti-theft kit HRX031**



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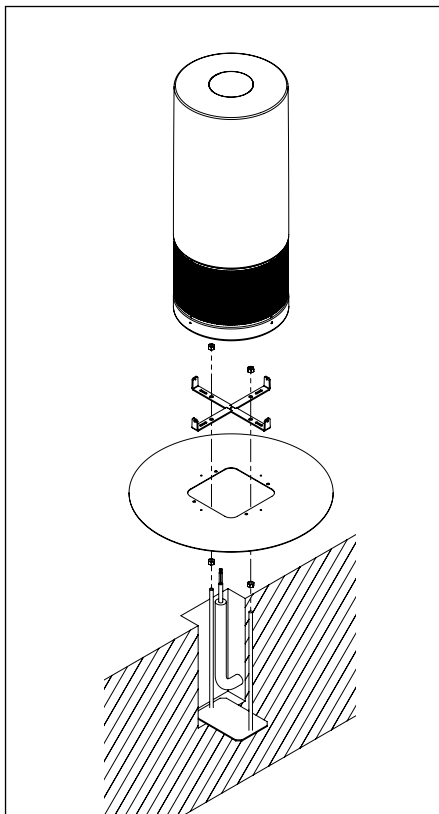


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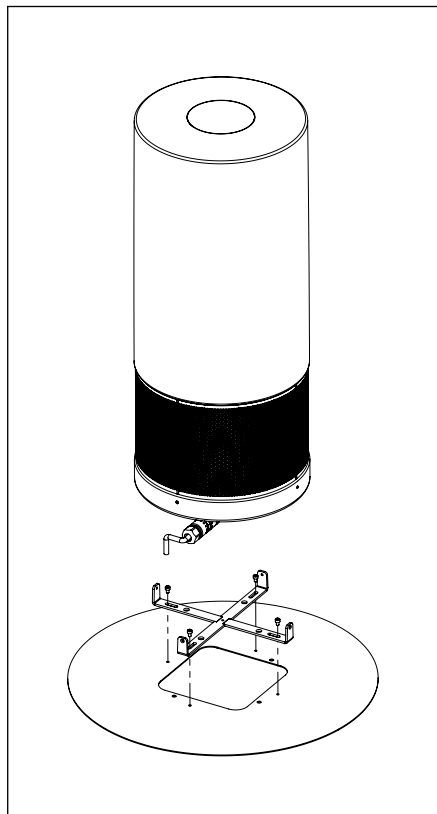


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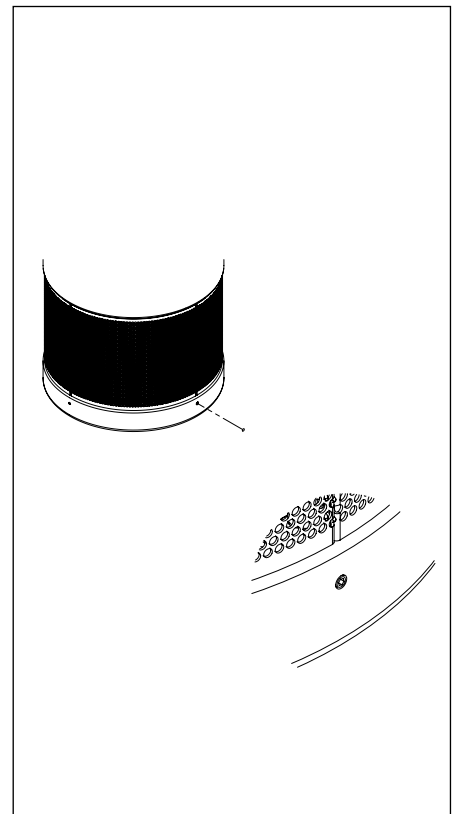
INSTALLATION INSTRUCTIONS **WN120 Outdoor 360°** **Ground anti-theft kit HRX031 + Turf protection plate HA046H - HA046X**



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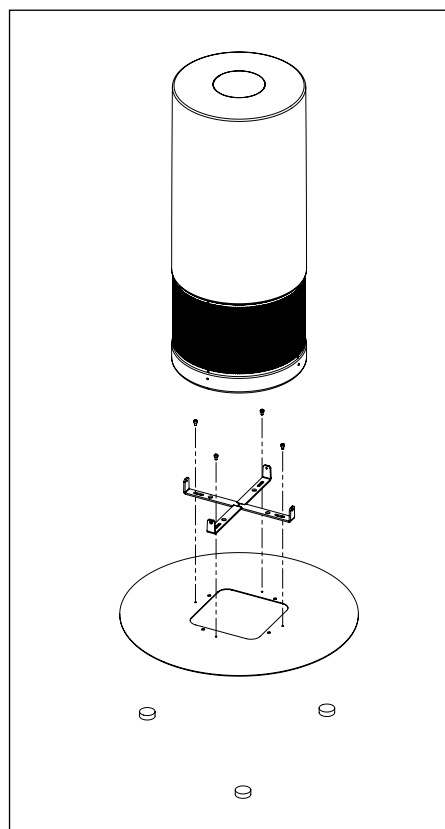


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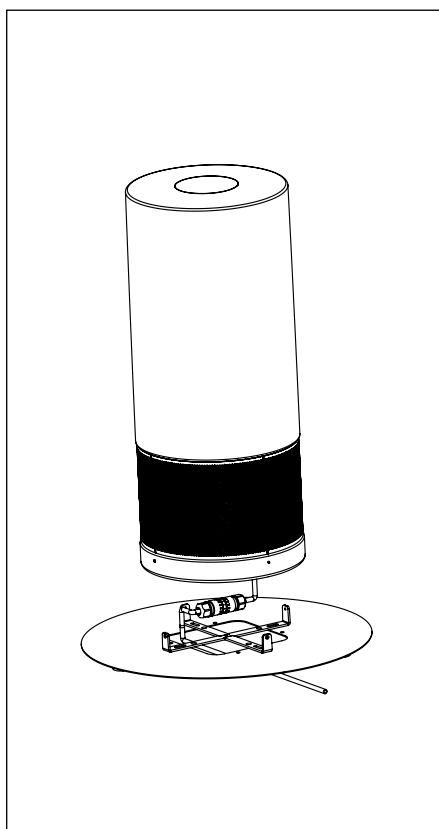


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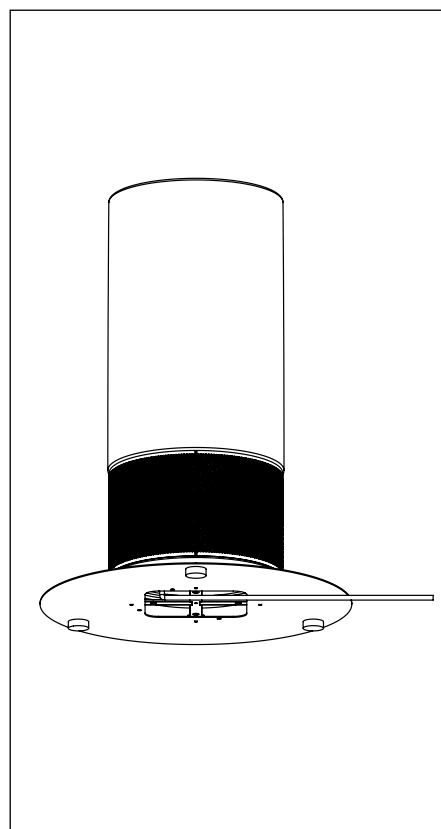
INSTALLATION INSTRUCTIONS **WN120 Outdoor 360°** **Turf protection plate with spacers for freestanding use HA046H - HA046X**



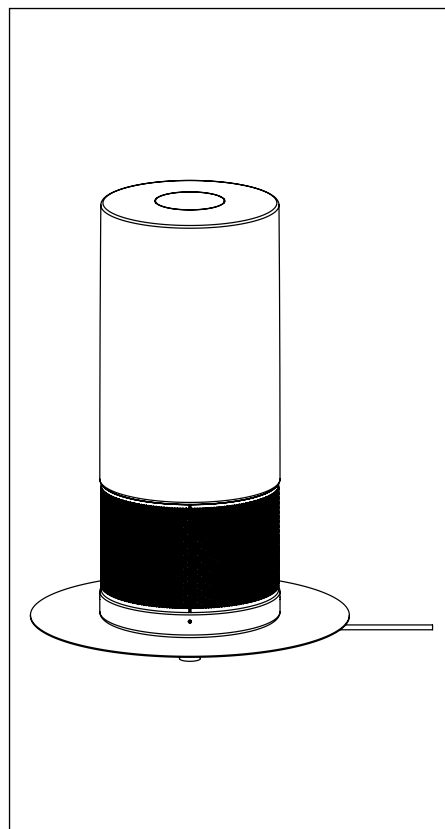
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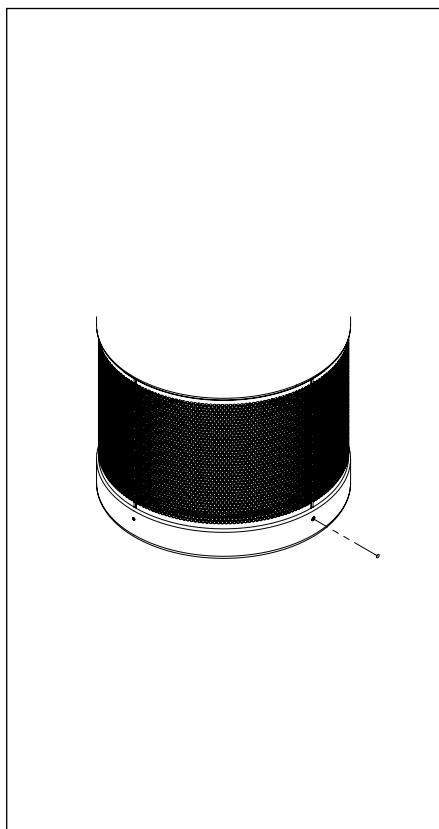
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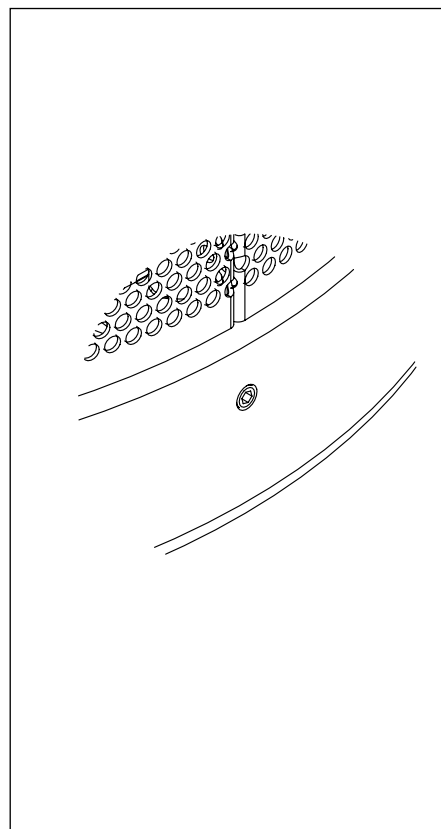
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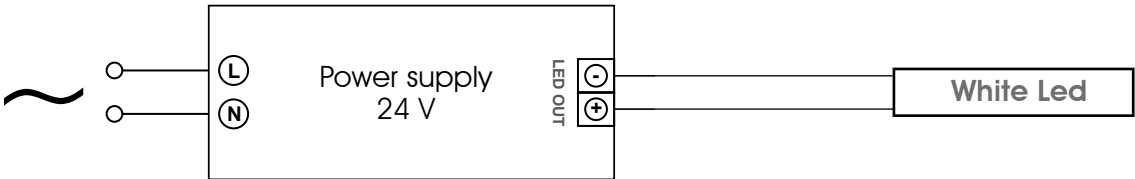
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	White LED	RGB LED
Power supply	24 V	24 V
Power	8,5 W	12 W
Dimmable	√	√
Led colour temperature	3000 K	Red - Green - Blue
Emission angle	120°	120°
Operating temperature	-20 °C (min) +45 °C (max)	-20 °C (min) +45 °C (max)

WHITE LED wiring diagram



RGB LED wiring diagram

