

RS TURNS ANYWHERE, CLEANS EVERYWHERE

AI-Native Autonomous Scrubber Robot



Best-in-Class Cleaning Power for Its Size



360° Turn-in-Place Mobility



AI-Native Intelligence



Certified for Data Privacy
and Sustainability



NIMBLE.
POWERFUL.
INTELLIGENT.

The Direct Walk-Behind Scrubber Replacement

Everything your walk-behind scrubber does – same cleaning power, same footprint – so your team can cover more ground without the physical strain.

50 L

SOLUTION TANK CAPACITY

4h 20mins

MAX RUNTIME (STANDARD)

5,000 m²

MAX 53,820 FT² PER CHARGE

Walk-Behind vs R5

	 WALK-BEHIND SCRUBBER	 LIONSBOT R5
Solution tank capacity	50 L	50 L ✓
Brush system	Single brush, interchangeable pads	Triple-brush, interchangeable pads ✓
Brush downward force	~20–25 kg	Up to 29 kg ✓
Coverage per charge	Up to 3,500 m ² / ~37,700 ft ²	Up to 5,000 m ² / ~53,820 ft ² ✓
Max runtime	~3 hours	>4 hours ✓
Operator required	Yes	No – runs autonomously ✓
Machines per operator	1	> 1 ✓
Physical strain	High – manual operation	None ✓
Consistency of clean	Varies by operator	Consistent every run ✓



AI-Native Intelligence

Anyone can deploy it, no technical expertise needed.
Intuitive intelligence built for real-world cleaning.

360° TURN IN PLACE MOBILITY Engineered To Never Get Stuck

Turns on the spot to navigate dead-end corners and complex layouts — built to handle dynamic floor plans.



AI ADAPTIVEMAP Smarter Every Shift

The R5 continuously learns your space and adapts from each cleaning run to navigate and clean more efficiently.



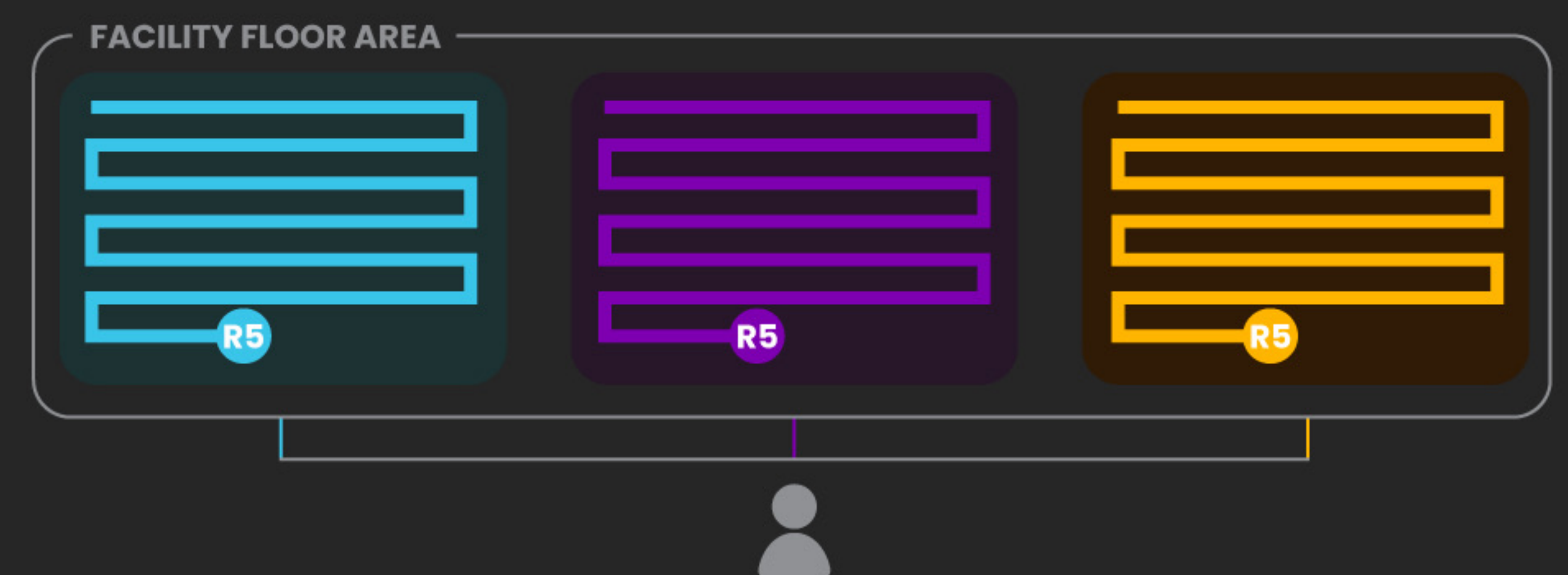
AI NAVSENSE Minimal Supervision Required

Spots obstacles, finds the best way around, and gets back on track on its own — so your team can focus on other cleaning tasks.



TEAMWORK Multiply Your Floor Coverage

Multiple R5s work in sync, intelligently dividing the floor area to maximise efficiency and clean large environments faster — all managed by a single operator.



Reliable, Day After Day



DESIGNED & ENGINEERED IN SINGAPORE

>5000

ROBOTS DEPLOYED WORLDWIDE

>40

COUNTRIES

Global Quality, Data & Sustainability

Certified across data protection, privacy, and sustainability.
LionsBot meets GDPR, SOC, SOC 3, ISO 9001, ISO 14001, and ISO 45001 standards —
and is recognised by Ecovadis and EPD for its commitment to environmental responsibility.



PERFORMANCE BY THE NUMBERS

R5 Technical Specifications

PHYSICAL DIMENSIONS

DIMENSIONS (L X W X H) 690 x 690 x 1125 mm 27.17 × 27.17 × 44.29 in	WEIGHT 200 kg 440.92 lbs	TANK CAPACITY Solution 50 L / Recovery 42 L 13.21 gal / 11.10 gal
CLEANING WIDTH 520 mm 20.5 in	SQUEEGEE WIDTH 680 mm 26.77 in	DEBRIS FILTER CAPACITY 1.25 L 0.33 gal

CLEANING PERFORMANCE

CLEANING PRESSURE Up to 34 g/cm²	BRUSH DOWNWARD FORCE Up to 29 kg 63.9 lb	MAX. CLEANING SPEED 1.1 m/s 2.4 mph
AVG. CLEANING EFFICIENCY 1,300 m²/hour 14,000 ft²/hour	MAX. CLEANING EFFICIENCY Up to 2,059 m²/hour 22,163 ft²/hour	MAX. RUN TIME Up to 4h 20mins
MAX. COVERAGE PER CHARGE Up to 5,000 m² ~53,820 ft²	CHARGING TIME 3.5 hours	

SOUND & ENVIRONMENT

AVG. SOUND LEVEL 70 dB	FLOOR TYPE Hard flooring
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NAVIGATION

- 3D LiDAR
 - 2 Depth Cameras
 - 3 RGB Cameras
- 2 2D LiDARs
 - 4 Sonars
 - 2 ToF Sensors

ACCESSORIES

- Brush Pads
 - MagicTag™
- Primothane / Linatex Squeegee Blades
 - Charging Station
- H13 Hepa Filter
 - Refuel Station