April 23, 2025

ES

Lexus Unveils the All-New ES at the World Premiere in Shanghai

— A global core model, reborn with a diverse electrified vehicle lineup—

- ☐ A forerunner in LEXUS's next-generation electrification, combining HEV and battery EV (BEV) technologies.
- ☐ A spacious rear-seat package combined with the latest technology provides all passengers with a premium and comfortable cabin experience.
- ☐ Showcases LEXUS' new design language, inspired by the next-generation BEV concept, LF-ZC.
- ☐ Refined from the core, pursuing new levels of quietness and ride comfort through advanced electrification.

LEXUS ES (Prototype)

LEXUS unveiled the all-new ES at its world premiere at the Shanghai Motor Show (April 23—May 2)[*1]. A phased rollout across various regions is scheduled to begin in the middle of 2026.

Launched alongside the flagship LS in 1989, the ES has been a core model in LEXUS, earning global acclaim for its quietness, ride comfort, and spacious interior. It has been sold in over 80 countries and regions worldwide. Since the launch of the RX 400h in 2005, LEXUS has led the way in luxury electrification—consistently pursuing both dynamic performance and environmental responsibility. In 2024, electrified vehicles[*2] accounted for a record-high 52% of global sales. With a continued focus on HEVs, PHEVs, and BEVs, LEXUS will work toward realizing a carbon-neutral society while responding to the evolving needs of diverse customers and markets. LEXUS is committed to delivering a unique brand experience by advancing core vehicle performance through electrification. This movement will drive an engineering focus that redefines the future of mobility while providing services that enrich modern lifestyles. As the latest expression of these commitments, the all-new ES is the second of three new LEXUS BEV models scheduled to debut by March 2026. It catalyzes a product momentum that coincides with a comprehensive reimagining of the LEXUS brand set to be revealed at the Japan Mobility Show 2025 in October.

The all-new 8th-generation ES stands as a forerunner in LEXUS's next-generation electrification lineup. Developed under the concept of **Experience Elegance and Electrified Sedan**, this model aspires to deliver a refined driving experience across every scene—further enhancing quietness and ride comfort while staying in tune with customer needs. In pursuit of carbon neutrality through a multi-pathway approach, both HEV and BEV powertrains are offered to meet a diverse range of mobility demands. The design draws inspiration from the next-generation BEV concept, LF-ZC, marking a bold evolution in LEXUS design language that begins with the new ES. Deepening the expression of elegance, the design creates a clean, welcoming atmosphere that is uniquely LEXUS. The exterior strikes a delicate balance between intelligent packaging and proportions that highlight the sedan's inherent beauty—realizing a sleek, flowing silhouette that hints at the emotional driving experience to come. Inside, LEXUS debuts two groundbreaking innovations: the world's first[*2] **Responsive Hidden Switches**, which seamlessly blends physical controls into the interior for both functionality and sophistication, and the **Sensory Concierge**, a LEXUS-first[*3] feature that delivers a personalized, immersive cabin experience. Building on its spacious rear-seat design, the new ES enhances comfort and luxury to create a more refined cabin experience. Furthermore, by thoroughly refining the vehicle's core fundamentals and electrification technologies, the new model aims for a high-level balance between handling that creates a seamless connection between driver and car—offering a level of engagement that inspires the desire to drive endlessly—and ride comfort and cabin quietness that naturally bring a smile to everyone on board. Additionally, the ES integrates next-generation multimedia for enhanced connectivity and convenience, along with the latest LEXUS Safety System+ for advanced safety and peace of mind.

< All-New ES Main Features >

① Pursuing Functional Essence, Dynamic Performance, and Unique Proportions
- New sedan proportions that enhance the ES's signature character while embracing a multi-pathway approach.
- A dramatic form designed for aerodynamic excellence, evoking a sense of dynamic performance.
- Offers a clean, minimalist interior with a sense of open space and excellent visibility.

② Inherits the quietness and ride comfort while enhancing driving performance.
- Delivers premium ride quality through a dedicated platform design and enhanced structural rigidity.
- Updated powertrain lineup to deliver an electrification-driven driving experience
- Electronic control technologies that support driving in precise sync with the driver's intent

③ Advanced technologies that bring the LEXUS world to Life
- The world's first[*3] **Responsive Hidden Switches** seamlessly integrates functionality with refined design.
- **Sensory Concierge**[*4], orchestrates a uniquely personalized LEXUS experience through synchronized control of illumination, climate, and fragrance.

④ Advanced safety features enhancing driving confidence and security.
- **LEXUS Safety System+**: Cutting-edge safety technology
- Pursuing Safety and Comfort Through Advanced Features

LEXUS International Chief Engineer, Kohei Chiashi

The new ES was developed with the aim of redefining the sedan. Traditionally structured with three distinct sections—engine or motor, cabin, and trunk—the sedan offers key engineering advantages, including high body rigidity and a low center of gravity. These attributes contribute to the model's exceptional ride comfort, handling stability, and quietness, forming the foundation of the sedan's enduring appeal. Building on these strengths, the new ES further evolves the sedan by combining a functionally rooted, flowing silhouette with a spacious interior—achieved through thoughtful design and packaging innovations. With the newly developed TNGA GA-K platform, the new ES supports both HEV and BEV powertrains, offering a wider range of electrified vehicle choices while contributing to the realization of a carbon-neutral society. In addition, nearly every aspect of the vehicle has been reexamined from the ground up, integrating a range of advanced technologies. Through these efforts, the new ES delivers a fresh and unprecedented sedan experience unlike any sedan previously seen from LEXUS.

The development of the new ES was centered at the Toyota Technical Center Shimoyama (TTC-S), where teams from planning, design, engineering, and evaluation collaborated under one roof. By continuously refining through trial and error, we systematically addressed and overcame a variety of challenges. This vehicle represents the culmination of the dedication and expertise of everyone involved in its creation. The new ES marks the beginning of the next generation of LEXUS and delivers a truly refined experience. Please look forward to it.

【New ES Main Specifications】(Prototype Values)

	HEV			BEV	
	ES300h[*5] [2WD (FF) / AWD]		ES350h [2WD (FF) / AWD]	ES350e [FWD]	ES500e [AWD]
Overall Length	5,140 (+165)mm				
Overall Width	1,920 (+55)mm				
Overall Height	1,555 (+110)mm[*4]			1,560 (+115)mm[*4]	
Wheelbase	2,950 (+80)mm				
Vehicle Weight	1,785-1,840kg[*4*6]		1,820-1,935kg[*4]	2,105-2,185kg[*4]	2,205-2,285kg[*4]
Tire Size	235/60R18 235/55R19		235/55R19	235/55R19 235/45R21	
Engine	2.0L inline 4-cylinder (NA)[*6]	2.5L inline 4-cylinder (NA)			
Transaxle	Electronic Continuously Variable Transmission			eAxle	eAxle (front/rear)
System Output (kW [PS])	145 [197.1]	148[201.2]	182 [247.4]	165 [224.3]	252 [342.6]
Acceleration [s] (0-100km/h)	9.4	8.3-8.5	7.8~8.0	8.9	5.9
Cruising Range				Approx: 685km[*7]	Approx: 610km[*7]
Charging Time (150kW.10-80%)				Outside air temperature 25°C: approx. 30 minutes[*8] Outside air temperature 0°C: approx. 40 minutes[*8] Outside air temperature -10°C: approx. 60 minutes[*8]	

() indicates comparison with previous model

*1 The official name is "Shanghai International Automobile Industry Exhibition".
April 23rd - April 24th: Press Days, April 25th - April 26th: Trade Days, April 27th - May 2nd: Public Days

*2 Electrified vehicles include all models of HEV, PHEV, and BEV.

*3 Based on LEXUS research of models released as of April 2025.

*4 Varies by region/specification

*5 ES 300h engine specifications vary by region and specification.

*6: 2.0L inline 4-cylinder (NA) engine models are only available in 2WD (FF)

*7 Target value in CLTC mode. When fitted with 19-inch tires

*8 Approximate charging time from the illumination of the drive-battery Charging Warning Lamp to approx. 80% State of Charge (SOC).
Actual charging time may vary depending on factors such as ambient temperature and charger specifications.

For the all-new ES, LEXUS set out to create new value by blending functional excellence with emotional appeal Creating new value by blending functional excellence with emotion

The new ES introduces the design concept of Clean Tech x Elegance, with the goal of creating new value. The signature elegance that has long defined the ES has been further refined, while seamlessly blending its functional and emotional value at a higher level, resulting in a simple and clean design aesthetic. For the exterior, inspiration was drawn from Provocative Simplicity—the design theme of the next-generation BEV concept LF-ZC, which embodies a bold presence expressed through refined minimalism. The vehicle height was carefully determined to accommodate underfloor battery placement while preserving interior comfort, providing the foundation for proportions that capture the sedan's most beautiful and expressive form. This led to the realization of a new-generation spindle body, crafted to embody the ideals of electrification. While maintaining spacious cabin comfort and practical cargo capacity, the ES features a sculpted body top and side profile, along with precisely contoured front and rear bumper corners. These refinements not only enhance aesthetics but also contribute to improved aerodynamics. Inside, the ES was developed under the Time is Luxury concept, born from LEXUS' Time in Design philosophy, which reflects a uniquely Japanese appreciation for beauty that evolves with time. The focus was to create an environment where every moment inside the vehicle feels as inviting and relaxing as a living room. Beyond its sculpted form, LEXUS carefully refined sensory elements such as lighting and sound, designing an interior that resonates with human emotions. By balancing both physical and sensory aspects of design, the new ES offers an elevated and immersive in-cabin experience.

LF-ZC

▽Main Exterior Features

< New Sedan Proportions Enhancing the ES Identity using a Multi-Pathway Approach >

・The new ES features a flowing silhouette with a trunkless expression, a sharply tapered rear cabin, and a lower body shaped around the theme of bold planar and sculptural integration. Together, these elements express the new-generation Spindle Body with a powerful stance that highlights the presence of the tires and a dynamic, sharply honed form. While accommodating underfloor battery placement, the design carefully balances overall length, width, and height to showcase the sedan in its most beautiful proportions. At the same time, it contributes to excellent ease of entry and exit. Additionally, precise millimeter-level adjustments for tire positioning help establish a wide and low stance.

Next Generation Spindle Body (Prototype)

- Inspired by the LF-ZC design philosophy, the front of the all-new ES refines the spindle concept by integrating a sharply defined spindle design that extends from the hood to the bumper corners. The front face is defined by the contrast in height between the low nose of the Spindle Body and the horizontally oriented fenders characteristic of a sedan—creating a bold, grounded, and distinctive impression. On HEV models, a slim upper grill is added to ensure cooling performance.

LEXUS ES HEV model (Prototype)

- As a new design icon for the next generation, the **Twin L-Signature Lamp** has been adopted. The inward-facing daytime running lights and outward-facing turn signals form a double signature that enhances LEXUS' unique identity while also improving the visual clarity and functionality of the turn indicators.

Twin L Signature Lamp (Prototype)

・The side view balances a lifted stance with a low center of gravity, using tightly integrated surfaces that create a refined, grounded impression without accentuating overall height. Enhanced shoulder contours improve aerodynamics, while the seamless one-motion silhouette lends a trunkless impression, emphasizing a striking and powerful presence.

LEXUS ES　(Prototype)

< Refined Aerodynamics and Rear Design That Reflects a Low Center of Gravity and Driving Performance >

・The rear of the new ES embodies its signature elegance with a sculpted flow from the rear tires to the trunk, creating a sleek yet dynamic presence. The body tapers boldly toward the rear, creating a low center-of-gravity stance that evokes dynamic performance. In addition, the rear body angle and bumper surface taper have been carefully optimized to enhance aerodynamic performance, contributing to improved fuel efficiency and electric power consumption.

LEXUS ES　(Prototype)

・The rear features a new design icon, the **Rear L-Signature Lamp**, making it instantly recognizable as a LEXUS. Seamlessly integrated with the illuminated LEXUS logo, the single light bar consolidates taillight and stoplight functions, while repositioning other lighting elements to the outer edges. Positioning these elements lower and farther outward emphasizes the vehicle's wide stance, enhances its sculpted rear profile, and improves aerodynamic performance.

「L-Signature」 Lamps　(Prototype)

< Exterior Colors Designed for Every Lifestyle >

・The body is offered in a selection of seven colors, including new additions, designed to suit a wide range of lifestyles from business to personal use. Among them is a new color, **SOU**, which expresses the clean image of a BEV through a solid like finish highlighted by subtle blue effects.

Exterior Color "Sou"　(Prototype)

▽**Main Interior Features**

< Simple and Clean Interior with a Sense of Openness and Expansive Visibility >

・In designing the cabin, the goal was to achieve an outstanding sedan package. The platform was reengineered from the ground up, with key structural elements redesigned. Compared to the previous model, overall length has been extended by 165 mm and the wheelbase by 80 mm, resulting in a more spacious cabin. In addition, the seating position has been set higher to improve ease of entry and exit, while also providing a wide field of vision. To further enhance the sense of openness, seats and trim elements have been made as slim as possible, and the lower edges of the front and side window frames have been lowered to increase the glass surface area. Through these efforts, LEXUS has created a simple and clean interior space based on the design concept of **Clean Tech x Elegance**—featuring an open, airy upper section with superior visibility, contrasted by a lower section that gently envelops the occupants.

LEXUS ES Interior (Prototype)

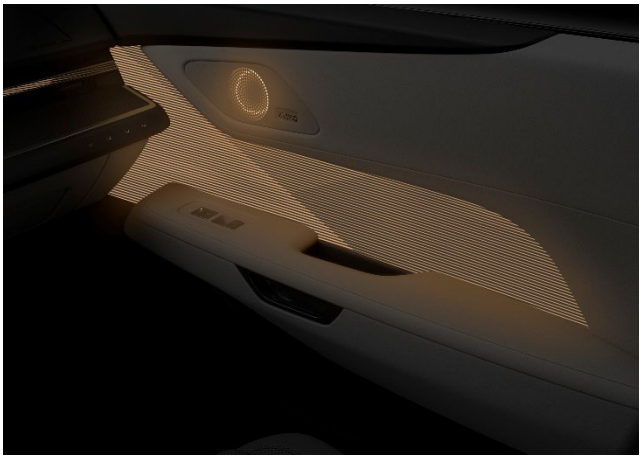
- The panoramic roof, designed to enhance the open cabin feel, features an adjustable dimming function that allows for instant shading based on passenger preferences. By eliminating the center roof reinforcement and maximizing the opening width, the design helps blur the boundary between the cabin and the outside environment. The use of Low-E glass, which offers heat insulation, thermal protection, and 99% UV reduction, ensures ample overhead space while maintaining a comfortable cabin environment, even under harsh sunlight and UV exposure. In addition, a newly developed dimming film with exceptional light reduction and transparency properties has been adopted. When dimmed, it helps reduce the sensation of heat, while in its clear state, it offers a sharper view and enhances the cabin's sense of openness.

Panoramic Roof with Dark-Tint Dimming Function*1 (Prototype)

- To create a cabin experience that feels like a living room, the front passenger seat is equipped with features such as an ottoman, vanity mirror, and dual monitors*1. For rear-seat passengers, a relaxation function using air bladders embedded in the seat cushions gently presses from the thighs to the back. The package also includes seat reclining, an ottoman, and a full-forward folding front passenger seat, all of which work together to create an even more spacious and relaxing environment.

LEXUS ES Interior (Prototype)

- Three ornamentation options are available for the instrument panel. BAMBOO LAYERING recreates the depth and flow of natural bamboo using 3D printing. MODERN BAMBOO offers a clean, minimalist look, while MICRO GEOMETRIC [1] features fine geometric patterns that convey a refined, modern feel. LEXUS also introduces—for the first time—surface-illuminated door trim [1] that synchronizes with light, sound, and fragrance, made possible by advanced printing and light-transmission technology. Newly adopted SYNTHETIC LEATHER EMBOSSING pairs sharp embossing with ambient lighting to enhance the cabin's clean, elegant atmosphere. The Mark Levinson™ Surround Sound System [2] completes the experience with optimized speaker placement and immersive 3D sound, harmonized with ambient lighting.



Surface-illuminated ornamentation　(Prototype)

- The new ES cockpit features a low-profile meter hood housing a uniquely shaped 12.3-inch digital display, enabling smooth eye movement and creating an open, airy feel. A special coating enhances surface quality, while the combination of suede materials and ambient lighting deepens the expression of LEXUS' cockpit philosophy—the **Tazuna Concept**.

Cockpit　(Prototype)

- The interior color lineup includes four options, featuring the newly introduced **Aotake**[*1] and an ultra-bright white. **Aotake** captures the natural tones of bamboo, a signature LEXUS design inspiration, evoking a sense of purity and sophistication.

Interior Color "Aotake"　(Prototype)

*1 Varies depending on region/specifications

*2 Mark Levinson is a trademark of Harman International Industries, Inc.

Inheriting quietness and comfort, evolving driving dynamics

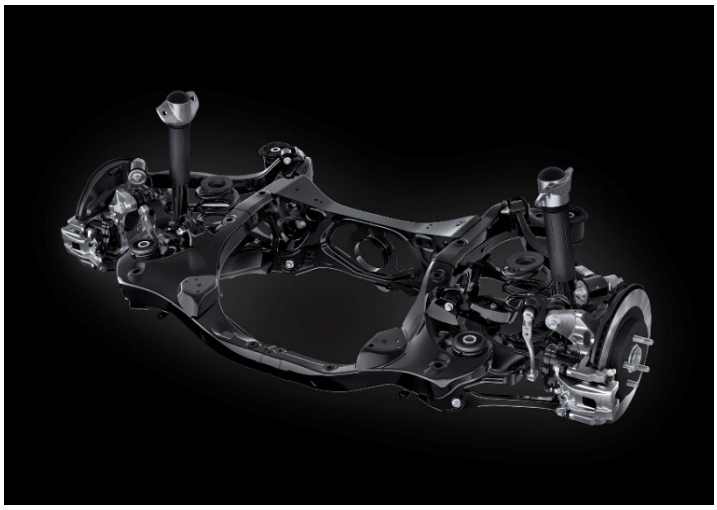
To create a relaxing experience for all occupants—much like spending time in a living room—the development team defined the driving concept as **Pleasant time for all seats**. Building on the ES's signature strengths of exceptional quietness and ride comfort, further refinements have been made to elevate the overall experience. At the same time, the driving feel has been deepened by fully harnessing the distinct characteristics of both HEV and BEV powertrains, in a way that is uniquely Lexus. In addition to reinforcing body rigidity and enhancing the vehicle's structural integrity, the new ES features a multi-link suspension system and **Dynamic Rear Steering (DRS)*1.** Lexus has also drawn on its extensive expertise in electrification to further enhance performance. The result is an evolved expression of the **Lexus Driving Signature**—delivering faithful, linear response to driver input and a seamless sense of unity between deceleration, steering, and acceleration in every driving situation.

< Evolving Packaging and Dynamics Through a Dedicated Platform and Increased Rigidity >

- The new ES is built on a redesigned TNGA GA-K platform, developed specifically to accommodate both HEV and BEV powertrains. To ensure a consistent driving character across the Lexus lineup, insights from the cross-model **Aji-Migaki** driving refinement program were applied. Rigidity has been significantly increased at the front, floor, and rear, resulting in a thoroughly reinforced structure. This enhancement reduces body vibrations and enables sharp, intuitive steering, along with smooth acceleration and deceleration that respond faithfully to driver input. The result is an agile and responsive driving feel that defies the vehicle's size.

Body Structure (Prototype)

- The new ES is equipped with a MacPherson strut for the front suspension. For the first time in an ES, a multi-link rear suspension has been adopted, enhancing both power delivery to the ground and seamless vehicle posture control. To further refine ride quality, LEXUS has optimized the suspension-arm bush characteristics, allowing for smoother suspension stroke and a more composed driving experience. The new ES is also equipped with **Dynamic Rear Steering (DRS)** *1, which turns the rear wheels by up to 4 degrees—opposite to the front wheels at low speeds and in the same direction at higher speeds—enhancing agility and maneuverability in low-speed corners while improving vehicle stability at higher speeds.



Rear Suspension

- In models equipped with AVS, a linear solenoid system with superior damping force response has been adopted. This achieves an exceptional balance between precise steering response and refined ride comfort.

- The steering system incorporates a variable rack gear, ensuring stability at high speeds, quick responsiveness in corners, and improved maneuverability at low speeds.

- The front seats have been newly developed with a redesigned structure to facilitate a driving posture that allows the driver to quickly recognize, assess, and respond to the vehicle's behavior with greater precision. The seat supports the shoulder blades to reduce muscle strain during steering, while the seatback is designed to gently cradle the back, aiding in maintaining proper posture. This results in a driving position that enhances the driver's ability to have more dialogue with the car.

- Cabin comfort has been further enhanced by prioritizing noise reduction. The use of sound-insulating door glass, along with improved sealing components, reduces the intrusion of external noise. Sound-absorbing, sound-blocking, and vibration-damping materials have been adjusted in thickness and quantity, and positioned appropriately throughout the cabin to create a quiet, well-balanced acoustic environment.

< Renewed powertrain lineup for a new electrified driving experience >

- The new ES features a diverse lineup of powertrains, designed to support carbon neutrality and accommodate the evolving needs of customers. Each powertrain has been carefully optimized to leverage its unique characteristics while staying true to the ES driving philosophy.

- For HEV models, the ES300h adopts a 2.0-liter inline 4-cylinder hybrid system for the first time in the ES lineup, while the 2.5-liter inline 4-cylinder hybrid system has been newly updated. The lineup is further expanded with the addition of the ES350h, which offers enhanced power performance, along with the availability of an AWD model. The new 2.5-liter hybrid system features an integrated **eAxle** combining the power control unit and transaxle, contributing to a more compact and lightweight powertrain, while also achieving higher battery output. Paired with the 2.5L inline-4 cylinder engine and exclusive control logic, this setup delivers an outstanding combination of strong acceleration and excellent fuel efficiency. Additionally, the reinforced rigidity of the power unit helps suppress vibrations, contributing to a quieter, more refined cabin experience.

- The BEV lineup offers two models: the ES 350e, a front-wheel-drive variant with an estimated range of approximately 685 km[*2], and the ES 500e, an all-wheel-drive version. Building on LEXUS' advanced electrification expertise, systems that unlock the full potential of the newly developed TNGA (GA-K) platform have been integrated. A large-capacity battery, designed specifically for BEVs, is positioned beneath the floor to lower the center of gravity and enhance driving stability. The ES500e adopts DIRECT4, a sophisticated all-wheel drive force control system that finely adjusts torque distribution to all four wheels, regardless of road surface or driving conditions. This system strikes a balance between the superior handling stability made possible by electrification and the pure enjoyment of driving. Using data from wheel speed, acceleration, and steering angle sensors, DIRECT4 continuously controls front-to-rear torque distribution between 100:0 and 0:100. This enhances acceleration from a standstill, improves handling stability, and contributes to greater energy efficiency. By combining LEXUS's long-cultivated expertise in electrification with advanced vehicle motion control, DIRECT4 delivers a drive that responds intuitively to the driver's intent.

*1 Varies depending on region/specifications

*2 Target value for FWD model in CLTC mode when equipped with 19-inch tires.

Cutting-edge technology that brings LEXUS' new vision to life

To achieve a streamlined interior, LEXUS has introduced advanced technologies like the **Responsive Hidden Switches** and the **Sensory Concierge** *2, which personalizes the in-car experience to suit passenger preferences, reflecting the brand's new design philosophy.

< Responsive Hidden Switches: Blending Functionality with Refined Design >

- Switch design was carefully crafted to align with human emotion. Physical switches were positioned near the ceiling and door areas to support intuitive, effortless operation. Meanwhile, the newly developed **Responsive Hidden Switches** were integrated into the steering wheel and instrument panel—delivering both excellent functionality and usability, while contributing to a clean, minimalist cabin environment.

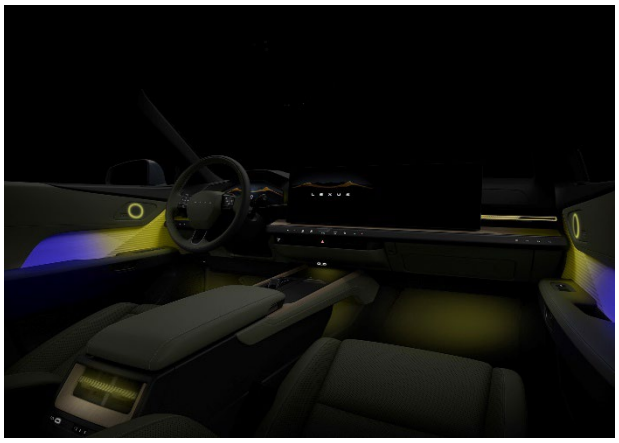
- The **Responsive Hidden Switches** is the world's first*2 physical switch designed to subtly support human interaction, embodying the Japanese spirit of **Omotenashi** through a clean, understated form that keeps technology quietly in the background. A design that blends the physical switches into the interior helps create a clean, minimalist cabin space. The subtle transition from absence to presence—when icons illuminate as a hand approaches—offers a new interactive experience, where functional display and surface material become one. Icons are arranged by function, thoughtfully positioned to make the desired switch easy to identify. While maintaining the clean appearance of a capacitive touch panel, the switches are designed with a distinct tactile click to help prevent accidental input.

Lights OFF (Prototype)

Lights ON (Prototype)

< A Personalized LEXUS Experience >

- The **Sensory Concierge***1 concept has been adopted to create a cabin where every occupant can relax as comfortably as in their own living room. Inspired by the world of performing arts, where space and ambiance captivate the senses, this approach embodies LEXUS's pursuit of a uniquely immersive and emotional experience. Illumination, music, multimedia video, climate control, and a relaxation function—using air bladders embedded in the seatback and cushion to gently apply pressure from the thighs to the back—work in harmony with seat heaters to create a cabin environment that responds to occupant emotions. Three selectable modes help create a sense of calm or uplift, offering a personalized in-cabin experience that supports emotional well-being.



Sensory Concierge
INSPIRE (Prototype)

3 Personalized Modes:

INSPIRE: Supports emotional uplift with an exotic and stimulating rhythm.
RADIANCE: Enhances focus in an environment where reflections and light flicker converge.
REVITALIZE: Promotes relaxation through an atmosphere inspired by the gentle rhythms of nature.

Additionally, the **Music-Linked Illumination** *2 creates a harmonious cabin atmosphere by synchronizing lighting with music. The lighting responds to the frequency and sound pressure of the music selected by the passenger—changing color and brightness accordingly—to create an environment that harmonizes with their emotional state.

- As part of LEXUS's commitment to **Omotenashi**, a cabin fragrance featuring bamboo—a signature material of the brand—is introduced for the first time*1. Five distinct fragrances are offered, each inspired by the **Time in Design** philosophy and the essence drawn from nature. Each fragrance is complemented by original multimedia content, seamlessly integrating video, music, and ambient lighting for an immersive experience. A distinctive bamboo accord is featured in every scent, reflecting LEXUS' design ethos. The fragrance cartridges are made from **Forged bamboo**, a sustainable material that blends finely crushed bamboo with resin, further reinforcing the connection to nature. The cartridge design itself is inspired by bamboo, reflecting natural elegance. The generator, located inside the glovebox, holds up to three cartridges, with scent dispersed through the speaker grille located behind the instrument panel.

Five Signature Fragrances:

TENKO – A warm, woody-aromatic scent wrapped in the gentle glow of natural light
KEIFU – A smoky green fragrance evoking the quiet depth of an ancient forest
SEIYO – A soft, serene white floral inspired by the warmth of early spring
HANYA – A mysterious, tender musk that drifts through the stillness of the night
SHINMEI – A pure citrus scent that signals a fresh beginning at the break of dawn

*1 May vary by region and specification.
*2 As of April 2025, based on LEXUS internal data for announced models.

< Advanced Preventive Safety Technology Lexus Safety System + >

LEXUS is advancing the development of safety technologies with the ultimate goal of achieving zero traffic accidents in a mobility society. With a focus on accelerating the development and widespread implementation of world-class advanced safety systems, the new ES adopts the latest Lexus Safety System +. The system has been enhanced to recognize objects over a wider field of view and at greater distances, expanding the scenarios in which it can help prevent accidents. Additionally, functional and sensor coverage has been broadened to provide consistent driver assistance even in complex environments such as urban roads. These improvements contribute to enhanced safety, convenience, and reduced driver workload. In line with these technological upgrades, vehicle-surrounding information is now presented more clearly via the meter display, further supporting safe and confident driving.

▽Main Performance Enhancement Features

- Radar Cruise Control (with full-speed range following function) has been refined to provide smoother and more confident highway driving by initiating deceleration earlier when the vehicle ahead slows down or cuts in. Two new features—Eco-Run Mode and a map-linked function—further enhance its capabilities. Eco-Run Mode prioritizes fuel efficiency by moderating acceleration and promoting smooth, deliberate following behavior while cruising. The map-linked function builds on conventional deceleration support by referencing road sign information such as stop signs, intersections, roundabouts, and toll gates. It also enables more natural deceleration before curves, using map data to anticipate changes in road geometry. Together, these enhancements support a more seamless and reassuring driving experience.

- Lane Change Assist [LCA[*2*3]] has been refined for easier and smoother operation by optimizing operation and adjusting lane change speed. Support is now available across a wider range of driving conditions thanks to an expanded operating speed range. In addition, steering support works in coordination with driver inputs, contributing to a greater sense of safety and peace of mind behind the wheel.

- Pre-Collision System [PCS[*4]] has been enhanced to provide broader support in intersection scenarios by expanding the speed range for both warnings and braking. These updates enable the system to assist more effectively in avoiding collisions or reducing impact severity across a wider variety of situations.

- Driver Monitor[*1] now covers a broader range of scenarios by expanding the use of the onboard camera to monitor driver condition. When signs of drowsiness are detected, the system alerts the driver, providing additional support for safer, more attentive driving.

- Driver Emergency Response System[*5] has been updated with a new function[*1] that enables the vehicle to pull over and stop on the shoulder when activated while driving on highways or motor-vehicle-only roads. This enhancement builds on the system's existing capabilities.

- The newly developed high-definition Adaptive High-beam System (AHS[*6]) has been adopted, offering more precise control than previous AHS systems to support improved visibility during nighttime driving. In addition to conventional lateral shading, the system now also provides vertical control to better block glare for vehicles ahead. A new function has also been added to partially dim the high beam in areas around nearby pedestrians.

< Advancing Safety and Comfort Through Cutting-Edge Technologies >

- Blind Spot Monitor (BSM[*7]) has been enhanced to detect bicycles and motorcycles traveling alongside the vehicle, in addition to its existing functions. By alerting the driver, the system helps reduce the risk of collisions when turning at intersections.

- The Panoramic View Monitor now features a newly developed 3D View—offered for the first time in a LEXUS—to support driver awareness of the surrounding area. With swipe operation on the display, the driver can view the vehicle's surroundings from any preferred angle[*8]. The system also allows the viewpoint to move as if looking through the vehicle, making it easier to check blind spots around the car.

*1 Availability may vary by market and specification.

*2 LCA = Lane Change Assist

*3 Operates while driving on highways or motor-vehicle-only roads (with some exceptions), during Lane Tracing Assist (LTA) control.

*4 PCS = Pre-Collision System

*5 Operates during Lane Tracing Assist (LTA) control.

*6 AHS = Adaptive High-beam System

*7 BSM = Blind Spot Monitor

*8 Function operates when the vehicle is in the "P" (Park) position.