

LS | AMAZING
STATEMENT



LS 350 / LS 500 / LS 500h



Concept of The New Lexus LS

The next-generation LS realizes the “Ultimate Experience of Visionary Anticipation”, a uniquely creative and emotional experience made possible by Lexus vision designed to capture the hearts of the next wave of world leaders.

For Lexus, creating a flagship sedan is about much more than making a luxury vehicle. It goes without saying that it must symbolize Lexus, but it must also define the luxury car of the future, crystallize Japanese culture, and serve as an exemplary car to the world that exceeds customers’ imagination. To realize this, in developing the LS we focused on the fusion of its personality and emotional appeal as a flagship sedan, with performance that delivers the pinnacle of elegance, comfort and environmental friendliness, and perceived qualities defined by unique Japanese Takumi craftsmanship and advanced production technologies. We invite you to experience the LS and the future of Lexus with all your five senses.



The ultra-small 3-eye Bi-Beam LED headlamps combine advanced design with excellent light distribution. 16 LEDs in the sequential turn signal lamps illuminate sequentially in a flow from the inner side to the outside of the vehicle.



Expressing the design concept “Sensual Aggressive”

The exterior fuses sensual beauty with the low center of gravity of a refined platform to generate anticipation of dynamic driving performance, endowing a unique presence that delivers the style and personality befitting a flagship sedan.



The rear combination lamps All the rear combination lamps are LEDs, including the lamps on the trunk lid. The sequential turn signal lamps illuminate in a sharp, well-defined flow.



Designed around the concept “Progressive Comfort”

The interior combines a cockpit for focused concentration on driving with exquisite relaxation befitting an exceptional luxury sedan. The highly refined features and finish that evoke the aesthetic beauty of Japanese crafts, imbue a unique interior that appeals to sophisticated sensibilities.

Takumi Craftsmanship

Our Takumi craftsmen strive for perfection in every aspect of their work, actively seeking enhancements by applying constant care and dedication to their craftsmanship, blending their craftsmen’s skills with the power of technology to better anticipate the future.



22-way power rear seats and power ottoman

The power rear seats use motors and a newly-developed pneumatic system that inflates and deflates air bladders to make fine-grained adjustments to every aspect of the seats. The rear seat behind the front passenger’s seat has a maximum 1020mm of foot room and a power ottoman that provides generous support to the lower legs so the occupant can relax in refined comfort. In addition, three position presets allow the occupant to choose their preferred posture. “Business” is the normal position. “Entertain” reclines the seatback to a relaxing angle and positions the front passenger’s seat for optimal viewing of the rear seat display. “Relax” moves the front passenger’s seat to the forward-most position and deeply reclines the rear seatback to optimize the rear seat space.

PERFORMANCE

Smooth, rhythmic acceleration in keeping with the driver's feelings. Instant understanding of the driver's intended line, as optimal control makes for pleasant cornering. Thoroughly refined driving characteristics and a precisely honed body realize exhilarating driving like you've never experienced before.



3.5-liter V6 Hybrid engine

The hybrid system's V6 engine integrates advanced technologies that include Dual VVT-i (Intake side: VVT-iW) and D-4S fuel injection system. Lightweight components further contribute to both powerful driving and outstanding environmental performance. A focus on reducing friction losses in the engine helps boost peak output revolutions from 6000 to 6600rpm.



3.5-liter V6 twin turbocharged engine

Developed exclusively for Lexus, the core engine platform was redesigned and high-speed combustion technology and a high-efficiency turbocharger utilized to deliver exceptional power output together with outstanding fuel efficiency. The engine generates maximum torque starting at low rpms, providing powerful acceleration whenever the accelerator is depressed. Paired with the Direct Shift-10AT, the rhythmic shifting and direct response boost driving pleasure.



3.5-liter V6 engine

Delivering a sophisticated blend of power and environment-friendly performance, Dual VVT-i (Intake side: VVT-iW) contributes to high torque across the rpm range, with lightweight roller rocker arms and a low-friction timing chain enhancing high-revving performance. The Stop & Start System complements the D-4S fuel injection system to further enhance fuel efficiency.

SAFETY

The aggressive performance of the LS as a driver's sedan is underpinned by active and passive safety measures that utilize advanced technologies to deepen your peace of mind.



Pre-Collision System

When the millimeter-wave radar and monocular camera sensors detect a collision with a vehicle or pedestrian ahead is likely, it alerts the driver and activates pre-collision brake assist when the driver depresses the brake pedal. If the driver cannot depress the brake pedal, it activates the pre-collision brakes.



Dynamic Radar Cruise Control

In addition to maintaining a constant speed, Dynamic Radar Cruise Control uses the radar and camera sensors to detect a vehicle driving ahead and maintain an appropriate distance between vehicles at all speeds.



Lane Keeping Assist (LKA)

LKA alerts the driver with a sensory alert using steering wheel vibration or a buzzer, and on the multi-information display if the system judges the vehicle is about to cross the lane markings without using the turn signals, and assists steering to help avoid lane departure.



Adaptive High-beam System (AHS)

When the system detects a vehicle within the area illuminated by the high beams, it disables/enables 8 upper and 16 lower LEDs on each side to partially block light from the high-beam headlamps so that they don't directly project onto a preceding or oncoming vehicle. In this way, it helps to provide the driver with good visibility by illuminating road signs and other objects in front of the vehicle, without dazzling other vehicles.



Panoramic View Monitor

Video that provides the driver with an image of the vehicle as if viewed from above is displayed on the 12.3-inch EMV (Electro Multi-Vision) display. It helps the driver to check conditions around the vehicle that are difficult to see in real time.



Automatic Rear Seat Reclining

When the rear seat is unoccupied, it automatically reclines in tandem with shift operation. If the headrest is raised, it also lowers to provide a wide field of view in the interior mirror.

FEATURES

The LS offers advanced utility and fulfilling comfort befitting Lexus's flagship sedan, to provide a superb mobility experience for driver and passengers alike. The LS is designed so that through the actions of loading up your luggage, getting in and relaxing, you'll experience a heart-warming feeling of convenience as you are enveloped in comfort. In the cabin, comfort-oriented functions provide exquisite relaxation, from the seats and air conditioning to the music and other entertainment features. Lexus hospitality has been carefully conceived down to the fine details to transform time spent in the LS into an exceptional experience.



Mark Levinson QLI Reference Surround Sound System

This newly-developed 16-channel 3D surround sound system drives 23 speakers. The 7 Unity speakers, ceiling speakers and QLI (Quantum Logic Immersion) surround technology fill the cabin with uniform sound quality, enveloping the listener in natural realistic sound with the precise positioning of a live sound stage, excellent separation and dynamic reproduction of sound sources.



Rear Seat Entertainment System

The rear seat entertainment system includes 11.6-inch displays that automatically adjust with the seat position to maintain an excellent angle for easy viewing, a Blu-ray Disc player, SD card slot, and a HDMI jack that enables the connection of a computer or other devices. Rear seat passengers can also enjoy videos, music and other media stored on mobile devices using Miracast or DLNA (Digital Living Network Alliance).



Rear Multi-operation Panel

The multi-operation panel in the rear center armrest puts intuitive control of the audio, air-conditioning, seat and relaxation functions, sunshades and lighting at your fingertips.



28-way Power Front Seats

The newly-developed pneumatic system provides fine-grained support for every part of the body. Shoulder supports for the shoulder blades help steering operation. The upper body is also supported during cornering, enhancing the feeling of unity with the car. Hip support provides special support for the back of the hips, to help maintain posture during braking and cornering. Cushion side supports provide a high degree of grip, contributing to stable body hold during cornering.



Power Easy Access System

In addition to auto slide-away and return functions, the front seats feature auto lift-up function (Driver's seat only) and cushion side-away functions. For easy access, auto lift-up raises the seat lifter when the driver gets out and then returns it to the original seat position when the driver gets in. Cushion side-away opens the outboard side cushion supports to reduce the pressure on the thighs while getting in and out.



Electronically Controlled Air Suspension (with Access Mode)

In addition to the vehicle height adjustment function which can be switched between Normal and High settings, access mode automatically raises the vehicle to make ingress and egress easy.



Hands-free Power Trunk Lid

Even if both hands are full, when carrying the Electronic Key you can open and close the trunk lid automatically by moving your foot under the rear bumper.



Lexus Climate Concierge

Lexus Climate Concierge coordinates with the 4-zone independent temperature control to automatically control the auto air conditioner with the seat heaters, seat ventilation and steering wheel heater to provide optimal comfort for each occupant. The body surface temperature of occupants is detected by IR (Infra-red Rays) matrix sensors to quickly provide the optimal level of comfort for all occupants. It also detects sunlight in the early morning and at sunset and controls the vehicle's climate control system to maintain comfort.



Large Color Head-up Display

The system helps the driver intuitively understand warnings and take action to avoid potential hazards with animations and information projected on the large 24-inch (600x150mm) display. The screen is divided into different areas to effectively bring information to the driver's attention including cautions and warnings, driving support, road signs, vehicle speed, navigation and other information.

SPECIFICATIONS

	LS 350 Luxury	LS 500 Executive	LS 500h Executive	LS 500h Executive Pleat
DIMENSION & WEIGHT				
Length	mm		5235	
Width	mm		1900	
High	mm		1450	
Wheel Base	mm		3125	
Wheel Tread	FR/RR		1630/1635	
Luggage Spec	L	480		440
Curb Weight	kg	2125 - 2165	2235 - 2290	2295 - 2350
Gross Weight	kg	2585	2670	2725
Fuel Tank Capacity	L		82	
CHASSIS				
Suspension (Front & Rear)		FR: High Mount Multi Link RR: Multi Link		
Air Suspension		○		
Adaptive Variable Suspension (AVS)		○		
Transmission		10-Speed automatic		Multi-Stage-Hybrid
Drive Train			Rear-wheel Drive	
Wheel & Tire size		245/50RF19 RESONATOR HI		245/45RF20 RESONATOR TYPE
Runflat Tire		○		
ENGINE				
Type		8-GR-FKS 6-Cylinder V type, 24 Valve, DOHC	V-35A-FTS 6-Cylinder V type, 24 Valve, DOHC	8-GR-FXS 6-Cylinder V type, 24 Valve, DOHC
Displacement	(cc)	3456	3444	3456
Max Output	(PS/rpm)	315/6600	421/6000	299/6600
Max Torque	(Nm/rpm)	380/4800-4900	600/1600-4800	350/5100
Fuel System		Gasoline (95 or higher)		
HYBRID BATTERY				
Motor Type				Permanent Magnet Synchronous
Battery Type				Lithium-ion
Max. Voltage	(V)			310.8
Max. Output	(KW)			132
Max. Torque	NM			300
Total System Output (Hybrid Vehicle)	(PS)			359
PERFORMANCE				
Max. speed	(km/hr)		250	
Acc. 0 - 100 km/hr	(sec.)	6.5	5.0	5.4
Fuel Consumption (Avg)	(km/L)	10.8	10.3	14.9
Emission CO2	(g/km)	217	216	151
Emission Standard		Euro 4		
EXTERIOR				
Ultra Compact 3-LED Head Lamp		○		
Two-stage Adaptive High Beam System (AHS)		○		
LED Rear Combination Lamp		○		
Moonroof ; tilt / slide		○		
Illuminated Entry System		○		
INTERIOR				
Combination Meters ; ECO Drive Indicator		○		
4-Zone with Lexus Climate Concierge		○		
Nano-e System		○		
Auto Air Purifier ; Pollen Removal Mode		○		
Interior Illumination System		○		
Illuminated Scuff Plates		○		
Power Rear Window Sunshade		○		
Power Rear Door Window Sunshade+Quarter		○		
Pleat Ornament with Kiriko Cut Glass Trim				○
OPERATION				
Power Tilt & Telescopic Steering Column ; auto-away / auto-return , memory function		○		
Drive Mode Select: Eco / Comfort / Customize / Normal /Sport S /Sport S+		○		
Power Trunk Easy Closers with Kick Sensor		○		
Adaptive Cruise control		○		
Smart Entry & Start System		○		
Panoramic View Back Monitor (with Guide)		○		
Navigation System		○		
12.3-inch EMV Display		○		
Mark Levinson Reference Surround 23 Speakers		○		
Sound System		○		
Rear LCD Display Monitor with DVD Player				○
SEAT				
Power Front Seats 28 Ways with Memory Function		○		
Front Seat Slide (D:260 , P:260 , D:Changeable)		○		P:+160
Power Rear Seats ; Memory Function		○		
Front Refresh Seat		○		
Rear Seat Relaxing System				Ottoman
Seat Heater/Air-Con		○		
SAFETY				
Vehicle Dynamic Integrated Management (VDIM)		○		
Pre-crash Safety System		○		
Brake Hold Function		○		
Lane Change Assist with BSM		○		
Lane Keeping Assist		○		
Rear Cross Traffic Alert (RCTA)		○		
Large Head Up Display (600mm x 150mm)		○		

EXTERIOR COLORS



Sonic Quartz (085)



Sonic Silver (1J2)



Sonic Titanium (1J7)



Manganese Luster (1K2)



Black (212)



Graphite Black Glass Flake (223)



Red Mica Crystal Shine (3R1)



Sonic Agate (3U3)



Sleek Ecru Metallic (4U7)



Amber Crystal Shine (4X2)



Deep Blue Mica (8X5)

DISC WHEELS

LS 350



19-inch Aluminum Wheels

LS 500 / LS 500h



20-inch Aluminum Wheels

INTERIOR COLORS

LS 500h Executive Pleat

Black with Kiriko



Crimson & Black with Kiriko



LS 500h / LS 500 Executive

Black with Art wood (Organic)



Crimson & Black with Art wood (Herringbone)



LS 350 Luxury

Black with Shimamoku



Topaz Brown with Walnut (Open Pore)



Trims

Kiriko (Cut Glass)



Art wood (Organic)



Art wood (Herringbone)



Shimamoku



Walnut (Open Pore)



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