

# 2001 BMW R 1100 S Light

Importer: BMW of North America, Inc.

Manufacturer: BMW AG, Munich, Germany

Mfr.'s Suggested Retail Price: \*\$15,400.00

\*Actual Price Determined by Dealer

Price excludes taxes, license, options, and handling charges.

MSRP includes equalized freight

Engine		Brakes	
Type	Air cooled/Oil cooled twin cylinder	Brake system	
Bore x stroke	99 mm x 70.5 mm	Front brakes	two 4-piston calipers, wear compensation
Displacement	1085 cc	Front rotors	dual 12.0 inch floating rotor
Horsepower	98 bhp @ 7500 rpm	Actuation method	hydraulic, DOT 4 fluid type
Torque	70 lb.-ft. @ 5750 rpm	Rear brake	single two-piston floating caliper
Compression ratio	11.3:1	Rear rotor	single 10.9 inch fixed rotor
Valve gear	HC, chain-driven	Actuation method	hydraulic, DOT 4 fluid type
Valves	2x34 mm intake / 2x29 mm exhaust	Wheels and Tires	
Valve timing (measured at 3 mm valve clearance)	intake opens 5 degrees after TDC intake closes 33 degrees after BDC exhaust opens 27 degrees before BDC exhaust closes 5 degrees before TDC	Front wheel	3.50 x 17 MT-H2, cast light alloy
Valves per cylinder	four	Rear wheel	5.00 x 17 MT-H2, cast light alloy
Camshafts	300 degrees	Front tire	120/70 - ZR 17 tubeless
Engine oil capacity	4.3 quarts of SG, SH motor oil, also w/CD or CE	Rear tire	170/60 - ZR 17 tubeless
Engine oil filter	spin-on Micronic filter cartridge	Dimensions	
Carburetion	fuel injection and electronic ignition MA 2.4	Overall length	85.8 inches (2180 mm)
Ignition	controlled by Bosch Motronic MA 2.4	Overall width	22.8 inches (580 mm) (across footrest)
Fuel demand	unleaded, premium, 91 AKI	Wheelbase	58.2 inches (1478 mm) (unladen)
Fuel tank	aluminum tank with enclosed fuel pump & filter	Ground clearance	5.9 inches (150 mm) (unladen)
Fuel capacity	4.75 U.S. gallons including 1 gal. reserve	Seat height	31.5 inches (800 mm)
Air Filter	Plate-type	Handlebar width	29.9 inches (760 mm)(with weights)
Charging system	14 V, 50 Amp Alternator (600 W)	Steering angle	65.0 degrees
Battery	BMW Mareg, 15 Amp/h low maintenance	Front wheel trail	3.9 inches (100 mm) (unladen)
Cooling system	combined air/oil cooled	Weight - dry	487 lbs.
Drivetrain		Weight - wet	504 lbs.
Primary drive	helical-cut gears with tensioner	Maximum load	992 lbs. gross vehicle weight rating
Clutch	165 mm dry, single plate with hydraulic actuation	Wheel load	Front=397 lbs
Gear ratios	1st gear: 2.045:1                      4th gear: 1.038:1 2nd gear: 1.600:1                      5th gear: 0.900:1 3rd gear: 1.267:1                      6th gear 0.800:1	limits	Rear=661 lbs
Frame and Suspension		Available colors	
Frame	New 3-section frame concept	Night Black #716	Carbon Fiber Kit
Front suspension	Light Telelever with central spring strut & progressive spring and variable rebound damping.	Standard Equipment	
Travel / dimensions	4.33 inches / 35 mm fixed tube diameter	-Carbon Fiber Components; belly pan, center section of upper faring, center section for fuel tank, upper yoke cover, seat cowl, spark plug cover and foot rest deflectors.	
Rear suspension	Patented BMW Paralever swingarm & shaft drive, single shock with variable rebound damping	-Integral sport half-fairing with windshield	
Travel / dimensions	5.12 inches, progressive spring, hydraulic pre-load adjustment	-6 speed transmission	
		-5.5 inch rear wheel	
		-Integrated ignition switch and steering lock	
		-Hazard warning flashers	
		-Light Telelever front suspension	
		-Electronically-controlled 3-way catalytic converter	

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