

# SOKKIA

# LX32 • LX34

## Multi-Crossline Lasers

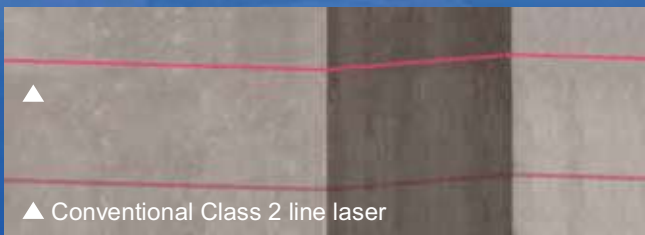
### Maximize Productivity While Minimizing Cost



- Projects 3 vertical lines and 1 horizontal line as well as a plumb down beam
- Instant self-leveling within 3 seconds
- 40m (130ft.) range with the standard laser detector
- IP54 dust- and water-protection
- Weighs only 900g (2lb.)
- Two accuracy grades:  
LX32 with  $\pm 1\text{mm}@10\text{m}$   
( $\pm 0.04\text{in.}@ 33\text{ft.}$ )  
LX34 with  $\pm 2\text{mm}@10\text{m}$   
( $\pm 0.08\text{in.}@ 33\text{ft.}$ )

#### Bright, accurate laser lines

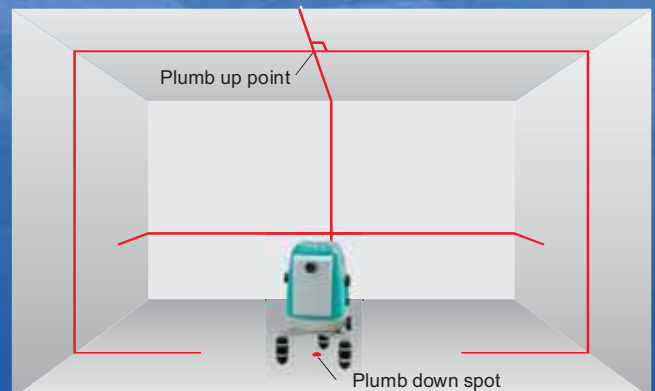
- High-intensity laser diodes and advanced optical technologies provide extremely bright laser lines from an easy-to-use Class 2 laser.
- Manufactured in accordance with the SOKKIA quality standards, the LX32 and LX34 offer outstanding accuracy and reliability.



▲ Conventional Class 2 line laser

#### Multiple lines for higher productivity

- Various jobs can be performed with one instrument setup.



**Thanks to the remarkable leveling speed, wide operating area and certified SOKKIA quality, the LX32 and LX34 greatly increase work efficiency in leveling, plumbing, alignment and layout applications.**

### Instant self-leveling

- Levels itself in a twinkle. No need to wait for 3 seconds.
- The magnetic damper ensures line stability.

### Laser detector comes as standard

- The standard detector LD601 expands the operating range up to 40m (130ft.) for exterior applications.
- The constantly projected pulsed lasers remove the need to switch the laser mode to detector.

### Lightweight, dust and water-resistant body

- Compact body weights only 900g (2lb.).
- IP54 dust- and water-protection withstands harsh work-site conditions the laser mode to detector.

### Specifications

Model	LX32	LX34
Laser diodes	Wavelength: 635nm	
Laser class	Class 2 (IEC/CDRH)	
Laser projection angle	H	120°
	V	120° (-25° to +95°)
Line accuracy	H&V	±1mm@10m (±0.04in.@33ft.) ±20 arc seconds
		±2mm@10m (±0.08in.@33ft.) ±40 arc seconds
Right angle accuracy	±2mm@10m (±0.08in.@33ft.)	
Plumb accuracy	Up	±1mm@5m (±0.04in.@16.4ft.)
	Down	±1mm@1.5m (±0.04in.@4.9ft.)
Line width	2mm@5m (0.08in.@16.4ft.)	
Plumb down spot diameter	2.5mm@1.5m (0.1in.@4.9ft.)	
Self-leveling range	2.5°±0.5°	
Operating range	40m (130ft.) with detector	
Horizontal fine motion range	More than 240mm@10m (more than 9.4in.@33ft.)	
Dust and water protection	IP54 (IEC 60529:2001)	
Operating temperature	-5 to +40°C (23 to 104°F)	
Size	W110 x D115 x H180 mm (W4.4 x D4.6 x H7.1in.)	
Weight with batteries	Approx. 900g (2lb.)	
Power supply	R6 (AA) batteries x 3	
Operating time at 25°C (77°F)	More than 5 hours (when all lines projected, using alkaline batteries)	

Product colors in this brochure may vary slightly from those of actual products owing to limitations of the printing process. Designs and specifications are subject to change without notice.

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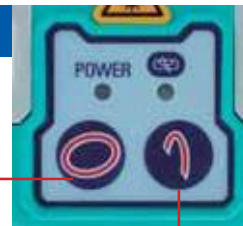
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NOIDA, U.P. - 201 301  
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### Easy operation

- Lines can be selected or turned On/Off with two simple buttons.

H-line On/Off

V-lines selection



### Retractable legs with rubber bumpers

- Fits into tight spaces by retracting the legs.
- Rubber bumpers ensure stability and avoid scratching.



### Standard Configuration



- Detector LD601 (w/rod clamp & 9B battery)
- R6 (AA) alkaline battery x 3
- Target
- Laser glasses
- Operator's manual
- Carrying case

### Optional Accessories



Adjustable Mount for Elevator Tripods LS-FR



Camera Tripod Adapter LX-CTA1



Elevator Tripod LS100-ET



# SOKKIA

# LX442

Full-Crossline Laser

## Your job just got a lot simpler!

Full-Crossline capability enables you to mark the lines & points without using an assistant or even other tools!



### Full Crosslines

The LX442 projects four vertical lines, a 360° horizontal line, as well as a plumb down beam.

- Full-line capability minimizes the need for changes of instrument setup.
- The LX442 projects four overlapped horizontal beams that create a perfect 360° level line.
- Four vertical lines allow four 90° alignments with one setup.
- 120° vertical lines cross on the ceiling right above the instrument. In combination with the plumb down beam, plumbing work is a breeze!

### Accurate and Stable Lasers

- Ensured accuracy of  $\pm 1 \text{ mm}@ 10 \text{ m}$  ( $\pm 0.04 \text{ in.}@ 33 \text{ ft.}$ ) for each line.
- Exceptionally speedy self-leveling for quick startup.
- Electronic self-leveling mechanism provides more stable lines than pendulum-or gimbal-type lasers, even in sites subject to vibration.

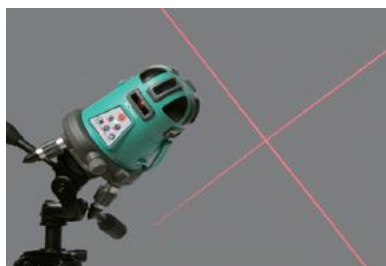
# LX442

Full-Crossline Laser

Featuring Full-Crossline and Swift Self-Leveling, the LX442 ensures greater productivity in leveling, plumbing, alignment and layout, in both interior and exterior applications.

## Line-lock for Slope Lines

- Just turn off the self-leveling and set the LX442 to the desired angle to project slope lines.



## Detector

- A laser detector is equipped as standard for short-range exterior or general construction applications.

## Batteries and AC Power

- Powered by four R6 (AA) alkaline or Ni-MH batteries.
- Standard AC adapter for use with 100V to 240V AC power.
- The power cable is connected to the lower section of the instrument and will not rotate with the upper laser section, preventing tangling of the cable.



AC adapter cable

## Wireless Remote

- Standard wireless controller allows remote selection of horizontal and vertical lines, line-lock and detector mode.



## Blue LED Indicators

- When all lines turned off and power still on, four blinking blue LEDs easily locate the instrument in dim light conditions.



## Dust and Water Protection

- The IP54 dust- and water-resistant body ensures outstanding durability under harsh worksite conditions.

## Standard Configuration



- Detector LD601 (w/rod clamp & 9V battery)
- Remote controller
- R6 (AA) battery x 4
- AC adapter
- Target
- Laser glasses
- Operator's manual
- Carrying case

## Specifications

Laser diode	Line: 635 nm, Plumb down: 650 nm		
Laser class	Class 2 (IEC/CDRH)		
Laser projection angle	H: 360° / V: 120°		
Line accuracy	H&V	±1 mm@10 m (±0.04 in.@33 ft.) / ±20 arc seconds	
Right angle accuracy		±2 mm@10 m (±0.08 in.@33 ft.)	
Plumb accuracy	Up	±1 mm@5 m (±0.04 in.@16.4 ft.)	
	Down	±1 mm@1.5 m (±0.04 in.@4.9 ft.)	
Line width	2 mm@10 m (0.08 in.@33 ft.)		
Plumb down spot diameter	2.5 mm@1.5 m (0.1 in.@4.9 ft.)		
Self-leveling type / range	Electronic / ±3°		
Operating range	20 m (66 ft.) with detector		
Remote control range	Approx. 10 m (33 ft.)		
Horizontal fine motion	Endless fine motion screw		
Dust and water protection	IP54 (IEC 60529:2001)		
Operating temperature	-10 to +50°C (14 to 122°F)		
Dimensions	W160 x D160 x H241 mm (W6.3 x D6.3 x H9.5 in.)		
Weight with batteries	Approx. 1.8kg (4.0 lb.)		
Power supply	Four R6 (AA) alkaline or Ni-MH batteries		
	AC 100 to 240V (with the standard AC adapter)		
Operating time at 25°C (77°F)	Battery	Alkaline	
	1V + 4H	10 hours	Ni-MH
	4V + 4H	6 hours	9 hours

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## Optional Accessories



- Adjustable Mount for Elevator Tripods LS-FR
- Camera Tripod Adapter LX-CTA1
- Elevator Tripod LS100-ET
- Wall Mount MP-SM200
- Shoulder Strap for Carrying case CP410127-01

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