



# The PROFESSIONAL STANDARD



## Our Edge

### PLS manufactures the highest quality layout tools for the professional contractor.

We are dedicated to designing rugged and accurate laser tools for a lifetime of increased productivity and profit.

Fast, accurate and portable, PLS lasers save time and money versus traditional layout methods using bubble vials, plumb bobs or complex measurements.

Compare the advantages of using a PLS laser to traditional methods you now employ. When comparing PLS laser tools look for these quality features:

1. Beam quality will be bright, thin and crisp
2. Drop tested with water and dust Ingress Protection (IP)
3. Designed for the professional contractor with self-leveling technology

## Our History

What sets PLS apart from the rest? Built by contractors for contractors, PLS tools were developed out of necessity by professionals with over 50 years of experience in commercial and residential interior and exterior layout. PLS founders were contractors first before becoming manufacturers of the finest laser alignment tools in the world.

## Find us on PLSLaser.com

### Visit the PLS Website for:

- Product tutorials
- Upcoming PLS events
- Product manuals
- Where to buy

## Follow PLS!



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PLS 3G



PLS 5G



PLS 180G



PLS 6G



PLS H2



PLS HV2G

## Application guide

	Point Lasers		Line and Combo Lasers		Rotary Lasers	
Applications	PLS 3	PLS 5	PLS 180	PLS 6	H2	HV2
Framing	•	•	•	•	•	•
Finish carpentry	•	•	•	•		
Foundations		•	•	•	•	•
Floor and tile			•	•		
Acoustic ceiling			•	•	•	•
Painting			•	•		
Electrical	•	•	•	•		
HVAC	•	•	•	•		
Window and glass	•	•	•	•	•	•
Excavation					•	•



## PLS 3R, 3G

### 3-point Laser

This self-leveling three-point red and green laser level allows for fast, accurate layout of plumb reference points and is excellent for steel stud framing, HVAC installation, electrical installation, and residential construction.

- In red and green
- Quick plumb layout and installation
- Pendulum lock



PLS 3R



PLS 3G

Class II Laser Product

PLS SKU	Description
PLS 3R Z	3-point red laser bare tool  <i>Included:</i> PLS 3R laser level, PLS FS Floor Stand, PLS canvas pouch, PLS BP5 alkaline battery pack
PLS 3R KIT	3-Point Red Laser Kit  <i>Included:</i> PLS 3R laser level, PLS canvas pouch, PLS BP5 alkaline battery pack, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target
PLS 3G Z	3-point green laser bare tool  <i>Included:</i> PLS 3G laser level, PLS canvas pouch, PLS BP5 alkaline battery pack
PLS 3G KIT	3-point green laser kit  <i>Included:</i> PLS 3G laser level, PLS FS Floor Stand, PLS canvas pouch, PLS BP5 alkaline battery pack, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target

### Specifications

Accuracy	≤ 1/8 in at 30 ft ( ≤ 3 mm @ 10 m )
Self-leveling range	4°
Power supply	BP5 (3xAA)
Operating time	+ 30 hours continuous (red only)
Dimensions	4.6 in x 2.5 in x 4.1 in (116 mm x 64 mm x 104 mm)
Weight	1.3 lbs (0.6 kg)
Drop test	3 ft (1 m)
Water and dust protection	IP54
Warranty	Three year best-in-class warranty

### Compatible accessories

PLS SKU	Description
PLS-60573	Canvas pouch
PLS FS	Floor stand for PLS 3, 5, 6
PLS MLB	Magnetic L-bracket, PLS 3, 5, 6, 180
PLS BP5	BP5 alkaline battery pack
PLS RBP5	RBP5 Li-Ion rechargeable battery pack with charger
PLS RRT4	Red magnetic reflective target
PLS GRT4	Green magnetic reflective target
PLS C18	Laser level tool box



## PLS 5R, 5G

### 5-point Laser

The PLS 5 is a self-leveling five-point red and green laser level (plumb and square horizontal and vertical points) equipped for plumb, level, and square applications.

- In red and green
- Quick plumb layout and installation
- Pendulum lock



PLS 5R



PLS 5G

Class II Laser Product

PLS SKU	Description
PLS 5R Z	5-point red laser bare tool <i>Included:</i> PLS 5R laser level, PLS canvas pouch, PLS BP5 alkaline battery pack
PLS 5R KIT	5-point red laser kit <i>Included:</i> PLS 5R laser level, PLS FS Floor Stand, PLS canvas pouch, PLS BP5 alkaline battery pack, PLS FS floor stand, PLS MLB magnetic L-bracket, PLS-10090 Pendulum Target, PLS RRT4 red reflective target
PLS 5G Z	5-point green laser bare tool <i>Included:</i> PLS 5G laser level, PLS FS Floor Stand, PLS canvas pouch, PLS BP5 alkaline battery pack
PLS 5G KIT	5-point green laser kit <i>Included:</i> PLS 5G laser level, PLS canvas pouch, PLS BP5 alkaline battery pack, PLS FS floor stand, PLS MLB magnetic L-bracket, PLS-10090 Pendulum Target, PLS GRT4 green reflective target

### Specifications

Accuracy	≤ 1/8 in at 30 ft ( ≤ 3 mm @ 10 m )
Self-leveling range	4°
Power supply	BP5 (3xAA)
Operating time	+ 30 hours continuous (red only)
Dimensions	4.6 in x 2.5 in x 4.1 in (116 mm x 64 mm x 104 mm)
Weight	1.3 lbs (0.6 kg)
Drop test	3 ft (1 m)
Water and dust protection	IP54
Warranty	Three year best-in-class warranty

### Compatible accessories

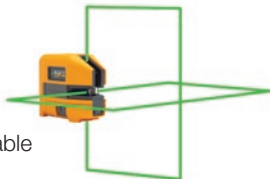
PLS SKU	Description
PLS-60573	Canvas pouch
PLS FS	Floor stand for PLS 3, 5, 6
PLS MLB	Magnetic L-bracket, PLS 3, 5, 6, 180
PLS BP5	BP5 alkaline battery pack
PLS RBP5	RBP5 Li-Ion rechargeable battery pack with charger
PLS RRT4	Red magnetic reflective target
PLS GRT4	Green magnetic reflective target
PLS C18	Laser level tool box
PLS-10090	Pendulum layout target

## PLS 180R, 180G

### Cross Line Laser

Now with an included rechargeable battery pack, this self-leveling cross line laser level in both red and green is designed for multiple applications including framing, acoustic ceiling installation, tile installation, and other residential and commercial construction tasks.

- In red and green
- Quick layout and installation projects
- Pendulum lock
- Includes RBP5 Rechargeable Battery Pack with charger



PLS 180R



PLS 180G

Class II Laser Product

PLS SKU	Description
PLS 180R RBP KIT	Cross line red laser kit  <i>Included:</i> PLS 180R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target
PLS 180R RBP SYS	Cross line red laser system  <i>Included:</i> PLS 180R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-RED Red Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target
PLS 180G RBP KIT	Cross line green laser kit  <i>Included:</i> PLS 180G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target

PLS SKU	Description
PLS 180G RBP SYS	Cross line green laser system  <i>Included:</i> PLS 180G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-GREEN Green Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target

Specifications	
Accuracy	≤ 1/8 in at 30 ft (≤ 3 mm @ 10 m)
Self-leveling range	4°
Power supply	BP5 (3xAA)
Horizontal fan angle	≥ 180°
Vertical fan angle	≥ 130°
Operating time	+ 30 hours continuous (red only)
Dimensions	4.6 in x 2.5 in x 4.1 in (116 mm x 64 mm x 104 mm)
Weight	1.3 lbs (0.6 kg)
Drop test	3 ft (1 m)
Water and dust protection	IP54
Warranty	Three year best-in-class warranty

### Compatible accessories

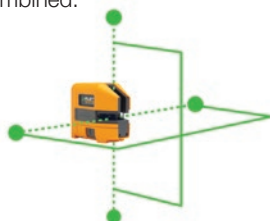
PLS SKU	Description
PLS-60573	Canvas pouch, PLS 180, 3, 5, 6
PLS MLB	Magnetic L-bracket, PLS 3, 5, 6, 180
PLS BP5	BP5 Alkaline battery pack
PLS RBP5	RBP5 Li-Ion rechargeable battery pack with charger
PLS RRT4	Red magnetic reflective target
PLS GRT4	Green magnetic reflective target
PLS C18	Laser level tool box
PLS UB9	Universal ceiling and wall bracket

## PLS 6R, 6G

### Cross Line with 4-point Lasers

Plumb, level, and square with one tool. With a new rechargeable battery pack included, this professional self-leveling combination point and cross line laser level in red and green includes vertical and horizontal modes with lines and points combined.

- In red and green
- Plumb, level, and square with one tool
- Pendulum lock
- Includes RBP5 Rechargeable Battery Pack with charger



PLS 6R



PLS 6G

Class II Laser Product

PLS SKU	Description
PLS 6R RBP KIT	Cross line and point red laser kit  <i>Included:</i> PLS 6R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target
PLS 6R RBP SYS	Cross line and point red laser system  <i>Included:</i> PLS 6R laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-RED Red Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS RRT4 Red Reflective Target
PLS 6G RBP KIT	Cross line and point green laser kit  <i>Included:</i> PLS 6G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target

PLS SKU	Description
PLS 6G RBP SYS	Cross line and point green laser system  <i>Included:</i> PLS 6G laser level, PLS canvas pouch, PLS RBP5 Rechargeable Battery Pack, PLS BP5 alkaline battery pack, PLS SLD-GREEN Green Laser Line Detector, PLS 60520 SLD Clamp, PLS UB9 Universal Ceiling and Wall Bracket, PLS FS Floor Stand, PLS MLB Magnetic L-Bracket, PLS GRT4 Green Reflective Target

Specification	
Accuracy	≤ 1/8 in at 30 ft ( ≤ 3 mm @ 10 m )
Self-leveling range	4°
Power supply	BP5 (3xAA)
Operating time	+ 30 hours continuous (red only)
Dimensions	4.6 in x 2.5 in x 4.1 in (116 mm x 64 mm x 104 mm)
Weight	1.3 lbs (0.6 kg)
Drop test	3 ft (1 m)
Water and dust protection	IP54
Warranty	Three year best-in-class warranty

### Compatible accessories

PLS SKU	Description
PLS-60573	Canvas pouch, PLS 180, 3, 5, 6
PLS FS	Floor stand for PLS 3, 5, 6
PLS MLB	Magnetic L-bracket, PLS 3, 5, 6, 180
PLS BP5	BP5 alkaline battery pack
PLS RBP5	RBP5 Li-Ion rechargeable battery pack with charger
PLS RRT4	Red magnetic reflective target
PLS GRT4	Green magnetic reflective target
PLS C18	Laser level tool box
PLS UB9	Universal ceiling/wall bracket
PLS SLD RED	Red SLD detector
PLS SLD GREEN	Green SLD detector

## PLS H2

### Horizontal-only rotary laser

The H2 laser is a horizontal-only rotary laser designed for interior and exterior projects and offers a simple one-button operation.

- One-button foundation or ground leveling
- Ideal for concrete or suspended ceilings
- Easy-to-use ergonomic grips



Class II Laser Product

PLS SKU	Description
PLS H2 SYS	Horizontal red rotary laser system  <i>Included:</i> PLS H2 rotary laser level, PLS BP10 alkaline battery tray, PLS RBP10 NiMH rechargeable battery tray with BC20 universal charging cord, PLS XLD rotary laser detector, PLS XLD clamp, PLS RRT4 red reflective target
PLS H2 KIT	Horizontal red rotary laser kit  <i>Included:</i> PLS H2 rotary laser level, PLS BP10 alkaline battery tray, PLS RBP10 NiMH rechargeable battery tray with BC20 universal charging cord, PLS XLD rotary laser detector, PLS XLD clamp, PLS RRT4 red reflective target, PLS TPOD500 elevator tripod, PLS GR16 grade rod

### Specifications

Accuracy	≤ 3/32 in at 100 ft (2.4 mm at 30 m)
Working range	Radius ± 1000 ft (304 m) with detector
Self-leveling range	± 5°
Dimensions	8 in x 7 in x 6 in
Weight	4.7 lbs (2.1 kg) unit only
Power supply	4xD Alkaline or NiMH rechargeable pack
Dust and water protection	IP67
Drop test	3 ft (1 m)
Warranty	Three year best-in-class warranty

### Compatible accessories

PLS SKU	Description
PLS RRT4	Red magnetic reflective target
PLS RC2	Rotary laser remote control
PLS XLD	Rotary laser detector with clamp
PLS XLD CLAMP	Rotary detector clamp
PLS C19	Rotary laser carrying case
PLS BP10	Rotary alkaline battery for H2, HV2
PLS RBP10	Rechargeable battery for H2, HV2
PLS BC20	Charging cord for PLS RBP10
PLS WCB10	Rotary wall and ceiling mount
PLS GR16	Grade rod with US and metric
PLS TPOD500	Elevating tripod



## PLS HV2R, HV2G

### Horizontal/vertical rotary

The HV2R and HV2G rotary laser level emits a self-leveling horizontal laser plane and a self-leveling vertical laser plane with a simultaneous 90-degree split beam.



- Available in red or green
- Manual slope
- Up dot for alignment tasks



Class II Laser Product

PLS SKU	Description
PLS HV2R SYS	Manual slope red rotary laser system <i>Included:</i> PLS HV2R rotary laser level, PLS BP10 alkaline battery tray, PLS RBP10 NiMH rechargeable battery tray with BC20 universal charging cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS RRT4 Red Reflective Target
PLS HV2R KIT	Manual slope red rotary laser kit <i>Included:</i> PLS HV2R rotary laser level, PLS BP10 alkaline battery tray, PLS RBP10 NiMH rechargeable battery tray with BC20 universal charging cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS RRT4 Red Reflective Target, PLS TPOD500 Elevator Tripod, PLS GR16 Grade Rod

PLS SKU	Description
PLS HV2G SYS	Manual slope green rotary laser system <i>Included:</i> PLS HV2G rotary laser level, PLS BP10 alkaline battery tray, PLS RBP10 NiMH rechargeable battery tray with BC20 universal charging cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS GRT4 Green Reflective Target
PLS HV2G KIT	Manual slope green rotary laser kit <i>Included:</i> PLS HV2G rotary laser level, PLS BP10 alkaline battery tray, PLS RBP10 NiMH rechargeable battery tray with BC20 universal charging cord, PLS RC2 Remote Control, PLS XLD Rotary Laser Detector, PLS XLD Clamp, PLS WCB10 Rotary Wall and Ceiling Mount, PLS GRT4 Green Reflective Target, PLS TPOD500 Elevator Tripod, PLS GR16 Grade Rod

Specifications	
Accuracy	≤ 3/32 in at 100 ft (2.4 mm at 30 m)
Working range	Radius ± 1000 ft (304 m) with detector
Self-leveling range	± 5°
Manual slope range	± 5°
Dimensions	8 in x 7 in x 6 in
Weight	4.7 lbs (2.1 kg) unit only
Power supply	3xD Alkaline or NiMH rechargeable pack
Dust and water protection	IP67
Drop test	3 ft (1 m)
Warranty	Three year best-in-class warranty

### Compatible accessories

PLS SKU	Description
PLS RRT4	Red magnetic reflective target
PLS RC2	Rotary laser remote control
PLS XLD	Rotary laser detector with clamp
PLS XLD CLAMP	Rotary detector clamp
PLS C19	Rotary laser carrying case
PLS BP10	Rotary alkaline battery for H2, HV2
PLS RBP10	Rechargeable battery for H2, HV2
PLS BC20	Charging cord for PLS
PLS WCB10	Rotary wall and ceiling mount
PLS GR16	Grade rod with US and metric
PLS TPOD500	Elevating tripod

## Designed to increase the utility of your PLS laser alignment tools

Your PLS laser will include accessories that help you get the most value from your purchase.

Replacement or additional accessories are available through your authorized PLS dealer.

## Detectors

PLS SKU	Description
PLS-60520	PLS SLD detector clamp
	<i>Compatible with:</i> PLS SLD RED; PLS SLD GREEN; PLS-60533; PLS-60618
PLS SLD RED	SLD red detector with clamp
	<i>Compatible with:</i> PLS 6R; PLS 180R; PLS 360; PLS 480; HVL 100; PLS 180 (former versions)
PLS SLD GREEN	SLD green detector with clamp
	<i>Compatible with:</i> PLS 6G; PLS 180G; PLS 180 Green (former versions)
PLS XLD	Rotary laser detector with clamp
	<i>Compatible with:</i> PLS H2; PLS HV2R; PLS HV2G; PLS HR1000; PLS HVR505R; PLS HVR505G; PLS HDR1000
PLS XLD CLAMP	Rotary detector clamp
	<i>Compatible with:</i> PLS XLD



PLS SLD RED



PLS SLD GREEN



**PLS-20512**  
5/8-11-Thread exterior tripod with 1/4-20 adapter

## Tripods and Grade Rods

PLS SKU	Description
PLS-20512	5/8-11" thread exterior tripod with 1/4-20" adapter
	<i>Compatible with:</i> all 5/8-11" or 1/4-20" thread laser levels or devices
PLS-20513	9'6" telescoping tripod - 5/8-11" thread with 1/4-20" adapter
	<i>Compatible with:</i> all 5/8-11" or 1/4-20" thread laser levels or devices
PLS GR16	16' Grade Rod with US and Metric
	<i>Compatible with:</i> PLS-60520; PLS XLD CLAMP; PLS-20850
PLS TPOD500	9.75' telescoping tripod. 5/8-11" thread
	<i>Compatible with:</i> PLS H2; PLS HV2R; PLS HV2G; PLS HR1000; PLS HVR505R; PLS HVR505G; PLS HDR1000

## Batteries and Remotes

PLS SKU	Description
PLS RBP5	Li-ion battery for PLS hand held lasers with charging cord and adapters
	<i>Compatible with:</i> PLS 3R; PLS 3G, PLS 5R; PLS 5G; PLS 6R; PLS 6G; PLS 180R; PLS 180G, PLS 3X360R, PLS 3X360G
PLS BP5	BP5 alkaline battery pack
	<i>Compatible with:</i> PLS 3R; PLS 3G, PLS 5R; PLS 5G; PLS 6R; PLS 6G; PLS 180R; PLS 180G, PLS 3X360R, PLS 3X360G
PLS BP10	Rotary alkaline battery for H2, HV2
	<i>Compatible with:</i> PLS H2; PLS HV2R; PLS HV2G
PLS RBP10	Rechargeable battery for H2, HV2
	<i>Compatible with:</i> PLS H2; PLS HV2R; PLS HV2G
PLS BC20	Charging cord for PLS RBP10
	<i>Compatible with:</i> PLS RBP10
PLS RC2	Rotary laser remote control
	<i>Compatible with:</i> PLS HV2R; PLS HV2G

## Floor Stands, Brackets and Adapters

PLS SKU	Description
PLS FS	Floor stand for PLS 3, 5, 6 <i>Compatible with:</i> all PLS 3, 5 and 6 models
PLS MLB	Magnetic L-bracket <i>Compatible with:</i> PLS 3, 5, 6, 180
PLS UB9	UB9 universal ceiling/wall bracket <i>Requires:</i> PLS-20295; PLS-21025; or PLS MLB
PLS WCB10	Rotary wall and ceiling mount <i>Compatible with:</i> HVL 100; PLS H2; PLS HV2R; PLS HV2G; PLS HR1000; PLS HVR505R; PLS HVR505G; PLS HDR1000



**PLS UB9**  
UB9 universal ceiling/wall bracket



**PLS-6200**  
PLS 360 Ceiling/wall bracket

## Targets

PLS SKU	Description
PLS-10090	PLS pendulum layout target
PLS RRT4	Red magnetic reflective target <i>Compatible with:</i> all red laser levels
PLS GRT4	Green magnetic reflective target <i>Compatible with:</i> all green laser levels
PLS-60620	PLS Reflective laser target for exterior <i>Compatible with:</i> all laser levels



**PLS-60620**  
Reflective laser target



**PLS-10090**  
Pendulum target



## Our best-in-class warranty

PLS laser tools are **THE PROFESSIONAL STANDARD** and we stand behind that with our best-in-class warranty program. The PLS warranty covers product workmanship for 3 years. If you experience any issues with your PLS tools during the warranty period, except for obvious misuse or damage, your local dealer can provide a same-day replacement tool, ensuring you don't lose any time on the job.

Please visit the PLS website to process a warranty return directly through Fluke or to learn more about our rotary laser Authorized Service Provider (ASP) program. PLS authorized service providers are capable to provide in-warranty and out-of-warranty calibration and repair on our rotary laser family.

**WWW.PLSLASER.COM**

**Ask your dealer to demonstrate a PLS laser tool.**

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Specifications subject to change without notice.  
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