

Powerful & Reliable Industrial prjectors

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DELTA FieldLAS®

Adjustable Line Length

Projection Angle 90° – 110°

Green or Red color

Class 2, IR

Excellent Visibility

Maximum Brightness

Excellent Dust & Water Protection

IP67 Rated Protection

Precision-engineered laser line projection system designed for industrial environments requiring clear and durable visual demarcation without the use of physical floor markings. The system projects a sharp, high-contrast laser line onto horizontal or vertical surfaces, providing a maintenance-free alternative to paint, tape, or printed signage in areas where such methods are impractical due to contamination, mechanical wear, or frequent layout variability. In addition, the unit features a compact form factor and low weight, enabling fast and flexible installation in constrained or hard-to-reach locations while minimizing the load on existing mounting structures.

Developed for continuous-duty operation, Delta FieldLAS® is suitable for integration into production, logistics, and safety-critical applications, including dynamic work areas, AGV pathways, pedestrian/forklift separation





Features

- The new latest laser technology with the most bright and solid lines
- Improved longevity due to diode laser source
- Microprocessor control
- Protection rating IP67
- Installation in the open or inside buildings
- Solid enclosure
- Easy to install
- Precise mount, rotatable at 360°
- Heating control
- Integrated motion sensor

Applications

- Replacement of traditional zones or painted paths
- Creation of lines in applications where tape or paint do not work (dusty, cold, dirty work areas)
- Definition of pedestrian and forklift areas
- Securing of overhead cranes and zones
- Definition of areas for semi-trailer docks

Technical Specifications

	S3015	638
Wavelength, nm	1400	1200
Laser power (*inner), mW	2, IR	2, IR
Laser class	Diode	Diode
Technology	(on-request)	(on-request)
Heating	(on-request)	(on-request)
PIR motion sensor	-30° ~ +40	-30° ~ +40
Operating temperature, °C	-40 ~ +85	-40 ~ +85
Storage temperature, °C	*Operational at -20°C is only supported by the heating version	

Optical Specifications

Projection Line Angle, °	90 – 110			
Focus	Fixed			
Line Thickness, mm	40 – 80			
Line Lenght, m	*see also the scheme on next page*			
• Openin Angle, °	90	90	110	110
• Distance, m	5	10	5	10
• Approx. Line Lenght, m	10	20	14	28.5

Mechanical Specifications

Dimensions, mm	Ø80 x 175+5
Net Weight, kg	1.8
Protection rating	IP67

Electrical Specifications

Input Voltage, V (DC)	12 – 24
Input Current, mA (max)	2000
Temperature Protection	Yes
Electrical Protection	Polarity reversal, Overvoltage protection, Overheating protection
Connection	M12, 4 pin Industrial connector, IP67
Power Cable Lenght, m	5 / 10 / 15 / 20 (on request)
Power Supply Unit	A: Plug and play Adapter 24V/36W, sku: GST-36E24-P1J B: Switching Power Supply, sku: LPV-35-24

Input M12 Connector (optional)



- Brown Pin 1 – positive
- Blue Pin 3 – negative

Pin 1 = (12 – 24V DC) – Brown wire color
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Pin 2 opto-isolated laser on/off +
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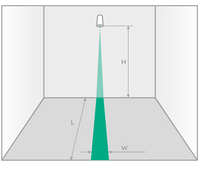
Need assistance? Ask our experts, they're ready to help. >>>



Line Width & Lenght



Select Dimensions

millimeters, mm

Distance and Opening Angle of the Laser

Input the Distance of the Laser from the Floor... | Select Opening Angle of the Laser...

Calculated Projected Line Lenght, L

The Result is wating

Unit Specifications | Drawing Specifications | Safety Specifications | Magnetic bracket





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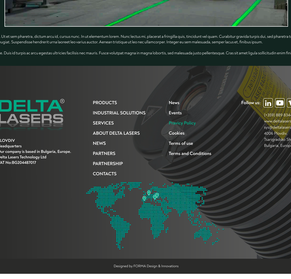
VIDEO PRESENTATION of Delta FieldLAS®



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DELTA FieldLAS®

Adjustable Line Length

Projection Angle 90° – 110°

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Class 2, IR

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Precision-engineered laser line projection system designed for industrial environments requiring clear and durable visual demarcation without the use of physical floor-markings. The system projects a sharp, high-contrast laser line onto horizontal or vertical surfaces, providing a maintenance-free alternative to paint, tape, or printed signage in areas where such methods are impractical due to contamination, mechanical wear, or frequent layout variability. In addition, the unit features a compact form factor and low weight, enabling fast and flexible installation in constrained or hard-to-reach locations while minimizing the load on existing mounting structures.

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- Definition of pedestrian and forklift areas
- Securing of overhead cranes and zones
- Definition of areas for semi-trailer docks

Technical Specifications

Wavelength, nm	532015	638
Laser power (*inner), mW	≈1400	≈1200
Laser class	2, 3R	2, 3R
Technology	Diode	Diode
Heating	(on-request)	(on-request)
PIR motion sensor	(on-request)	(on-request)
Operating temperature, °C	-30° ~ +40	-30° ~ +40
Storage temperature, °C	-40 ~ +85	-40 ~ +85

*Determined at -20°C. It only supported by the heating version

Optical Specifications

Projection Line Angle, °	90 – 110			
Focus	Fixed			
Line Thickness, mm	40 – 80			
Line Lenght, m	*see also the scheme on next page*			
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Mechanical Specifications

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Net Weight, kg	1.8
Protection rating	IP67

Electrical Specifications

Input Voltage, V (DC)	12 – 24
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Power Cable Lenght, m	5 / 10 / 15 / 20 (on request)
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Pin 4 opto-isolated laser on/off -

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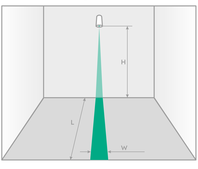
Line Width & Lenght



Select Dimensions

milimeters, mm

Destance and Opening Angle of the Laser

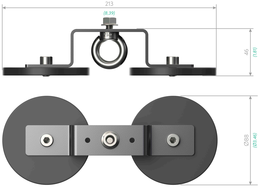
Input the Distance of the Laser from the Floor

Select Opening Angle of the Laser

Calculated Projected Line Lenght, L

The Result is wating

Unit Specifications | Drawing Specifications | Safety Specifications | Magnetic bracket







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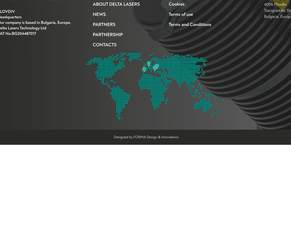

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Projection Angle 90° – 110°

Green or Red color

Class 2, IR

Excellent Visability

Maximum Brightness

Protected Dust & Water Protection

IP67

A laser with maximum brightness and visibility, complemented with a high-end optical system, delivering perfect precision even from distances of over 1 km, ensuring



Precision-engineered laser line projection system designed for industrial environments requiring clear and durable visual demarcation without the use of physical floor markings. The system projects a sharp, high-contrast laser line onto horizontal or vertical surfaces, providing a maintenance-free alternative to paint, tape, or printed signage in areas where such methods are impractical due to contamination, mechanical wear, or frequent layout variability. In addition, the unit features a compact form factor and low weight, enabling fast and flexible installation in constrained or hard-to-reach locations while minimizing the load on existing mounting structures.

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Features

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- Installation in the open or inside buildings
- Solid enclosure
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Alternative spot of the images shown may vary

Applications

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- Creation of lines in applications where tape or paint do not work (dusty, cold, dirty work areas)
- Definition of pedestrian and forklift areas
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- Definition of areas for semi-trailer docks

Technical Specifications

	S3015	638
Wavelength, nm	1400	1200
Laser power (*inner), mW	2, 3R	2, 3R
Laser class	Diode	Diode
Technology	(on-request)	(on-request)
Heating	(on-request)	(on-request)
PIR motion sensor	-30° ~ +40	-30° ~ +40
Operating temperature, °C	*Operational at -20°C is only supported by the heating version	
Storage temperature, °C	-40 ~ +85	-40 ~ +85

Optical Specifications

Projection Line Angle, °	90 – 110			
Focus	Fixed			
Line Thickness, mm	40 – 80			
Line Lenght, m	see also the scheme on next page			
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Net Weight, kg	1.8
Protection rating	IP67

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Input Voltage, V (DC)	12 – 24
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Brown Pin 1 – positive
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Pin 2 opto-isolated laser on/off +
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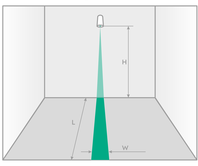
Line Width & Lenght



Select Dimensions

Millimeters
Inches

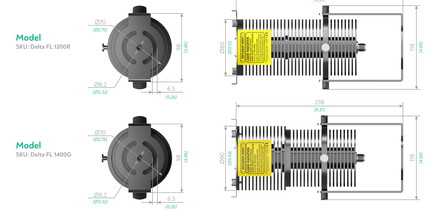
Angle of the Laser

Calculated Projected Line Lenght, L

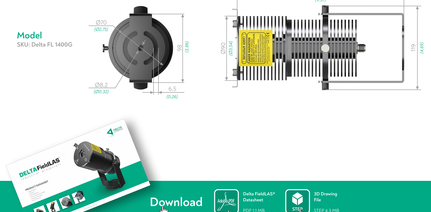
7.20



Model
SKU: Delta FL 1200R



Model
SKU: Delta FL 1400G





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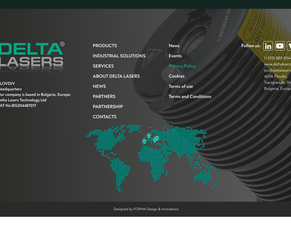
VIDEO PRESENTATION of Delta FieldLAS®



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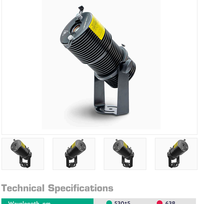
IP67

Ingress Protection Marking (IP Code) - the first digit indicates protection against solid objects, the second digit indicates protection against liquids.



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Pin 1 × (12 – 24V DC) – Brown wire color
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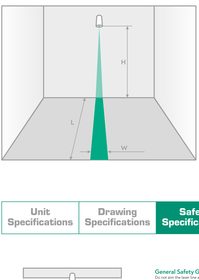

Select Dimensions

millimeters, mm

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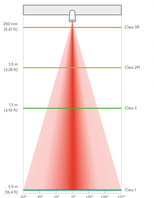

General Safety Guidelines

Do not aim the laser line at the eyes. Use the device safely and responsibly.
Do not look directly into the laser beam. Even if the beam appears to be the brown up close, as they may change the way the light appears.
Make sure the device is mounted securely to prevent any unwanted movement of the beam during operation.
Before installation, check that the housing and optics are in good condition. If you notice anything unusual, simply contact your supplier for assistance.
Follow the recommended mounting distances and alignment instructions to ensure the device performs optimally and within its intended safety class.

Handling and Maintenance

Installation should be performed by someone familiar with handling laser tools.
Perform cleaning or adjusting the device, switch off the power to ensure smooth and safe handling.
There is no need to open the device—the internal components are factory-protected and do not require access.
Keep the front window (laser aperture) clean and in good condition to maintain a clear and accurate laser line.
Use a soft, lint-free cloth and a mild cleaning solution (such as isopropyl alcohol) to avoid scratching the glass.
Suitable cleaning agents include water or isopropanol (isopropyl alcohol).
Apply gently and avoid excessive pressure.

Degree of risk of harm

- **Class 3R** — It's dangerous to look directly at the beam
- **Class 2M** — Safe to use, but the use of magnifying glasses, telescopes and other optical equipment increases the danger
- **Class 2** — Use safely, but do not deliberately look at the laser beam.
- **Class 1** — No harm

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VIDEO PRESENTATION of Delta FieldLAS®

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