

# DNA structure



## P12 LTU ultra-wide laser projector

Lessons come to life in an interactive area as large as 140 inches wide. The ultra-wide, touch-enabled area allows up to 10 students to simultaneously collaborate in beautiful, engaging clarity.

Imagine being able to create an interactive area as wide as 140 inches diagonal! Our ultra-wide projector does just that, bringing large-scale collaboration to the classroom.

The P12 LU ultra-wide projector makes stunning collaborative, 10-touch\* interactivity\*\* possible!

Its laser illumination saves you time and resources. There's no lamp to fail or change, and a 20-year laser lifespan.\*\*\*

- Complete education solution—comes with easy-to-learn and easy-to-use MimioStudio™ classroom software.
- Software and MimioMobile™ app enable collaboration and assessment either at the front of the room or on almost any student device.
- A solution that makes it easy to gauge and personalize student learning.
- Use the entire 140-inch space as an interactive collaborative space, maximizing the ability to work with individual students or in small groups.
- Laser projection means no bulbs to change—ever.
- Analog and digital audio/video connections ensure compatibility with virtually any PC.
- Ethernet LAN connectivity for central management and control.



“The P12 LU allows me to have a huge interactive collaborative space for my students—and I still have my whiteboard.”

Travis Rink, Science Teacher

To learn more, visit [mimio.boxlight.com/laserprojector](http://mimio.boxlight.com/laserprojector) or call 866.972.1549.

\* Multi-touch works on Windows only.

\*\* Also available in pen-only and non-interactive models.

\*\*\* Defined as a typical school year of 200 days with 5 hours of use per day.

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# MimioStudio software—so easy to use and engaging, your teachers will use it every day.

The MimioTeach™ interactive whiteboard includes the dynamic MimioStudio classroom software. It connects the Boxlight products, so using other tools—from the document camera to the pen tablet—is quick and easy. MimioStudio software allows educators to create interactive lessons and collaborative activities, and perform real-time formative assessment.

**Take learning even further with our MimioMobile app, which brings group learning and collaboration to almost any device.**



## Specifications

OS	Software Requirements	MimioStudio 11.6 or higher on a Windows, Mac, or Linux OS
	Brightness	3,100 lumens
Display	Light Source	Laser Diode x 23
	Laser Life (typical)	20,000 hours
	Native Aspect Ratio	16:6
	Native Resolution	1920 x 720 (16:6)
	Image Size (diagonal)	120 in. - 140 in. / 305 cm - 356 cm
	Keystone Correction	Vertical: ±5°
	Contrast Ratio (typical)	1,800:1 (10,000:1 high contrast)
	Color Reproduction	16.7 million colors (R/G/B 10-bit)
	Projection Lens	f/2.4
	Throw Ratio	Ultra-short throw of 0.25
	Focus Type	Manual
	Projection Technology	Digital Light Processing (DLP), utilizing a 6-segment color wheel.
	Closed Captioning	Based on TI DDP4421 spec, CC1/CC2/CC3/CC4 supported
	Audio/Video Connections	Digital A/V Inputs
Video Analog Inputs		VGA x 1 VGA in/out switched* x 1 Composite x 1
Video Analog Outputs		VGA in/out switched x 1
Audio Analog Inputs		Stereo line 3.5 mm x 1 Stereo line RCA jacks x 1 Mic level 3.5 mm x 1
Audio Analog Outputs		Line out 3.5 mm x 1
Speaker		1 speaker 10 W
Control	LAN	Standard using RJ-45 connector
	LAN Control Protocols	Crestron
	Laser Curtain DC Power	3.5 mm

Mech	Mounting	Front or rear projection, wall, or ceiling mount**
	Security	Kensington Lock >20 kg
General	Power Supply	AC 100–240 V 50-60 Hz
	Power Consumption (typical)	Full : 335 W±15% ECO : 225 W±15% Standby: < 0.5 W Touch Mode***
	Operating Temperature	5-40° C (41-104° F) non-condensing
	Fan Noise	Full mode : 36dBA (typical) / 38dBA (maximum) ECO mode : 32dBA (typical) / 35dBA (maximum)
Interactivity****	Touch Points****	10
	Calibration	Auto/Manual
	Laser Curtain Module	IR Laser 825 nm
	Laser Curtain Power	12V/0.3A from projector
	Visible Laser Curtain Alignment	- Visible light 650 nm - Optical power < 0.39 mW - Dot size at focus point 10 mm
	Whiteboard Non-planarity	<3 mm
	Laser Safety	IEC 60825-1 Class-1
	Interactivity	USB Mini

\* One connector switchable between VGA in or out.  
 \*\* Ceiling and table mount require third-party bracket.  
 \*\*\* LAN/RS-232/VGA out are off.  
 \*\*\*\* Multi-touch works on Windows only.  
 \*\*\*\*\* Laser Curtain specifications only apply to touch model.

## What's in the Box

**P12 LTU laser touch-interactive projector** Projector, AC power cord (4m), HDMI cable (5m), remote control with battery, mini-USB cable (5m), 2 magnetic static pens, laser curtain module, DC power cable for laser curtain, and MimioStudio software license.

**P12 LIU laser pen-interactive projector** Projector, AC power cord (4m), HDMI cable (5m), remote control with battery, mini-USB cable (5m), 2 IR pens, and MimioStudio software license.

**N12 LNU laser non-interactive projector** Projector, AC power cord (4m), HDMI cable (5m), remote control with battery, and mini-USB cable (5m).



We know how important it is to feel confident in the tools you use every day, so we make sure you can count on our products and service. We offer flexible training resources, our MimioConnect™ online educator community, and US-based in-house, dedicated product specialists. Email, chat, or call us 24/7/365 and we will be there to support you.

To learn more, visit [mimio.boxlight.com/laserprojector](http://mimio.boxlight.com/laserprojector) or call 866.972.1549.

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