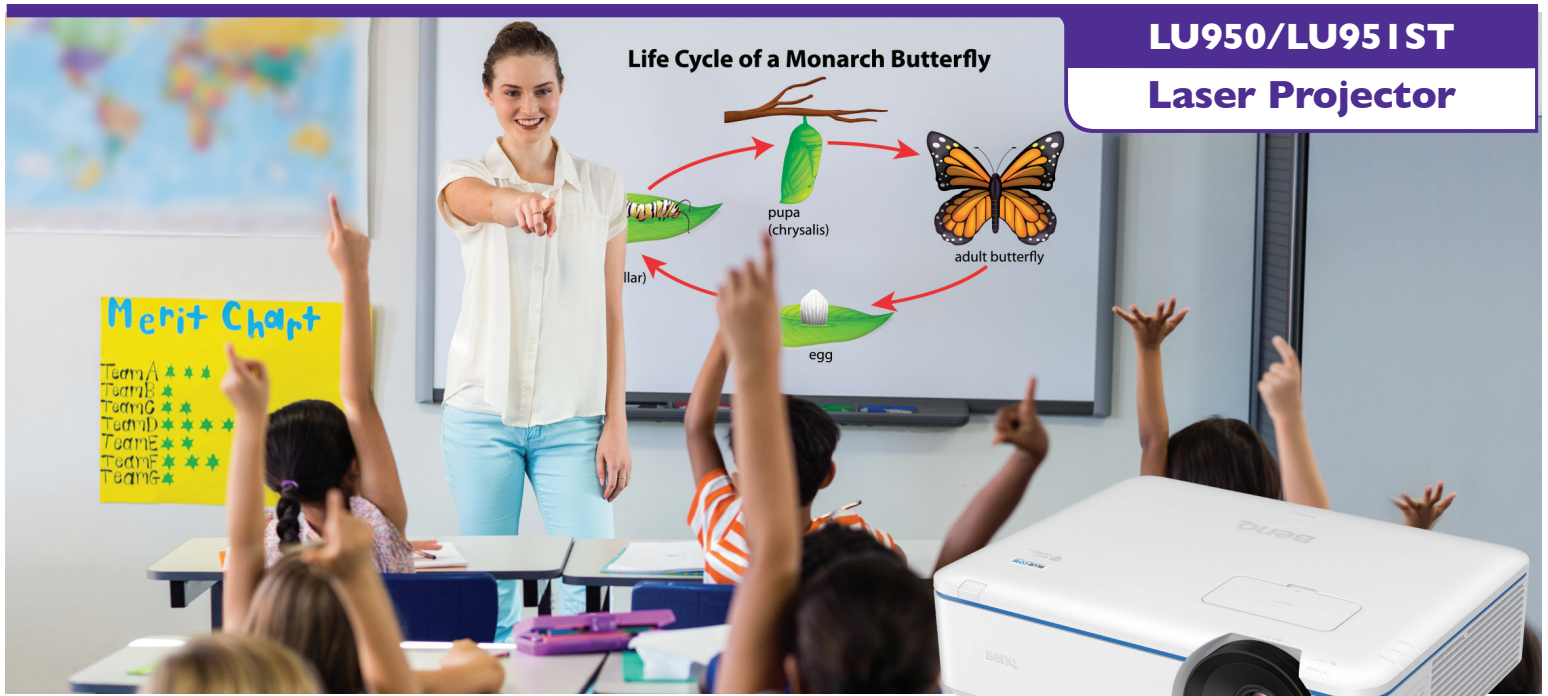**Life Cycle of a Monarch Butterfly**

pupa (chrysalis)

adult butterfly

llar)

egg

The BenQ LU950 and LU951ST are innovative laser projectors which offer unprecedented flexibility and unrivaled value for K-12 classrooms. The projectors are equipped with BenQ's innovative laser technology which provides over 20,000 hours of illumination without the need to ever change a lamp. Additionally, the reliability and the long lasting brightness and color capability deliver the dependability demanded by today's budget conscious schools. Installation is simplified by a variety of features including ultra-short throw performance, a robust wall mount, keystone adjustment and corner fit.

Why BenQ?

- Laser light source delivers 20,000 hours of projection and long lasting brightness and color without the need to ever change a lamp
- Digital Light Processing (DLP®) delivers exceptional color performance and images which are accurate, crisp and long lasting
- Interactive capability delivers a driver free collaborative learning experience
- Optional interactive capability delivers a driver-free collaborative learning experience

Unbeatable Reliability

BenQ's Blue Core laser technology delivers exceptional reliability in even the most demanding educational applications. Laser technology eliminates the need for lamp replacement, one of the most costly and time intensive aspects of projector maintenance. Additionally, the LU950 and LU951ST provide an operating life of 20,000 hours making the total cost of ownership (TCO) industry leading.

Incredible Image Performance

Image performance is critical in classrooms and BenQ delivers. Featuring a choice of WXGA (1280 x 800) and 1080p (1920 x 1080) resolutions, and a 100,000:1 contrast ratio, the LU950 and LU951ST projectors deliver images that are accurate, crisp and long lasting. Dual color wheel technology enhances color accuracy and delivers a superior viewing experience.

Ease of Installation

Classrooms can be a challenging spot for an installation but the LU950 and LU951ST come equipped with features to make installation as easy as possible. Ultra-short throw performance allows the projector to be mounted as little as 3 inches from the screen and still deliver an image large enough for the whole class to learn. An intuitively designed wall mount with three way adjustment knobs allows for tool-free, quick screen alignmen and image positioning. Keystone correction and corner fit allow off-center mounting. Modular interactive capability allows functionality to be easily added over time.

Key Features

- Laser light source
- 5000 ANSI Lumens High Brightness
- Big zoom & 2D Lens Shift or Vertical or Horizontal Lens shift
- HDMI-out port
- HDBaseT
- Digital shrink and shift
- Custom pairing remote/projector settings
- Customized color with Vivid Mode

BenQ Lowers Total Cost of Ownership

- 20,000 hours of operating life without the need for replacement lamps
- Energy efficient power usage keeps energy costs low
- IPX5 certified sealed engine and filter free design eliminates cleaning and replacement costs

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Because it matters

SPECIFICATIONS		LU950	LU951ST
DISPLAY	Projection System	DLP® Single 0.48" WUXGA	DLP® Single 0.47" WUXGA
	DMD type	DC3 DMD Chip	DC3 DMD Chip
	Native Resolution	1920x1200 pixels	1920x1200 pixels
	Brightness	5000 ANSI Lumens	5000 ANSI Lumens
	Contrast Ratio*	100,000:1	100,000:1
	Display Color	30 Bits (1.07 billion colors)	30 Bits (1.07 billion colors)
	Aspect Ratio	Native 16:10 (5 aspect ratio selectable)	Native 16:10 (5 aspect ratio selectable)
	Light Source	Laser	Laser
	Light Source life*	20,000 hrs	20,000 (Normal/Eco)
OPTICAL	Throw Ratio	1.36 ~ 2.18	0.81 ~ 0.88
	Zoom Ratio	1.6x	1.1x
	Lens Control	Manual Zoom and Focus	Manual Zoom and Focus
	Lens shift	Manual lens shfit, V: ±60 %; H: ±23 %	
	Keystone Correction	2D keystone, V: ±30 degree; H: ±30 degree	
	Projection Offset	NA	NA
	Projection Size	30" ~ 300"	30" ~ 300"
AUDIO	Built-in Speaker	10W	10W
SPECIAL FEATURE	Security(anti-theft)	Security Bar	Security Bar
	Feature	Digital Shrink and Shift, Image Memory, Projector/ Remote Control ID Setting, Auto High Altitude Mode, HDBaseT, LAN Control, 360° Projection	
COMPATIBILITY	Resolution Support	VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB-Reduced Blanking	
	Horizontal Frequency	15~102KHz	15~102KHz
	Vertical Scan Rate	24 ~ 120 Hz	24 ~ 120 Hz
	HDTV Compatibility	480i, 480p, 576i, 567p, 720p, 1080i, 1080p	
	Video Compatibility	NTSC, PAL, SECAM¦	NTSC, PAL, SECAM
POWER	Power Consumption (Max/Normal/Eco)	Max 530W/ Normal 475W/ Eco 365W	
	Standby Power Consumption	Normal < 0.5W, Network <2W	
	Power Supply	100 ~ 240V AC	100 ~ 240V AC
DIMENSION AND WEIGHT	Product Dimensions (WxHxD)	490.0x156.0 x 380.0mm	490.0x156.0 x 380.0mm
	Product Weight	9.4 kg	9.4 kg
OPERATION CONDITION	Noise Level (Normal/Eco)	37 /35 dBA	37 /35 dBA
	Operating Temperature	0 ~ 40°C	0 ~ 40°C
OSD	On-Screen Display Languages	Arabic/ Bulgarian/ Croatian/ Czech/ Danish/ Dutch/ English/ Finnish/ French/ German/ Greek/ Hindi/ Hungarian/ Italian/ Indonesian/ Japanese/ Korean/ Norwegian /Persian/ Polish/ Portuguese/ Romanian/ Russian/ Simplified Chinese/ Spanish/ Swedish/ Turkish/ Thai/ Traditional Chinese/ Vietnam (30 languages)	
ACCESSORIES		**Applies to both**	
		Standard	**Optional**
		Power Cord Remote control (RCA011) Lens cover AAA Batteryx2 Installation Guide/Regulatory Statement(Combined) Warranty card(by sku)	Ceiling mount (CMG3) 3D glasses

LU950

LU951ST

1	Wired Remote In	11	RCA Audio in- L/R
2	RS232 In (D-sub 9pin, male)	12	PC In
3	USB TypeB (Service)	13	Monitor out (D-sub
4	USB TypeA (5V/2A power)		15pin,Female)
2	LAN Port (RJ45 for	14	Audio in (mini jack)
	Network control)	15	Audio out (mini jack)
6	HDBaseT	16	12V Trigger
7	HDMI-In	17	IR Receiver (Front)
8	HDMI-Out	18	IR Receiver (Rear)
9	S-Video in		
10	Composite Video (RCA)		

* The Contrast is measured by Full On Full Off standard.
* LightSource life results will vary depending on environmental conditions and usage. Actual product's features and
  specifications are subject to change without notice.
* Storage: Temperature: -20~60°C; Humidity: 10~90%RH (without condensation)

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