

# 8940UL LCD Laser Projector

**DUKANE**

## Key Features

- 3LCD Laser Projector
- WUXGA 1920 x 1200
- 4,000 ANSI Lumens Brightness
- 2,000,000 : 1 Contrast Ratio
- 40,000 Hours Light Source Life (Long life 2 mode)
- 2 HDMI Inputs
- Quiet Operation 36dB
- Lightweight, Compact Chassis Design
- No Lamps to Replace!
- Accentualizer and HDCR
- Supports Web Control, PJLink, Crestron Connected®, and AMX



Dukane expands their laser projector line with a 4,000 ANSI lumens, 3LCD model ideally suited for class and conference room environments.

Dukane's laser light source projector line now includes the 3LCD model 8940UL with 4,000 ANSI lumens. The new laser phosphor light source offers approximately 20,000 hours (normal mode) of operation time and is virtually maintenance free, there is no lamp to replace providing a dramatic reduction in total cost of ownership. Ideal for classrooms to conference rooms, Dukane's new 8940UL LCD Laser projector combines superior image quality, long life reliability and low noise level. A new highly effective cooling system protects the optical unit from dust intrusion and lowers the noise level to 36dB. A new phosphor chip replaces the phosphor wheel and motor resulting in fewer moving parts for higher reliability. The color performance of 3LCD produces the same brightness for all white and all color resulting in accurate color representation and outstanding image quality. For added peace of mind, Dukane's 8940UL is backed by our world-class service and support programs.

DUKANE CORP  
Audio Visual Products  
2900 Dukane Drive, St. Charles, Illinois 60174  
Toll-free: 888-245-1966  
E-mail: [avsales@dukane.com](mailto:avsales@dukane.com)  
[www.dukane.com/av](http://www.dukane.com/av)

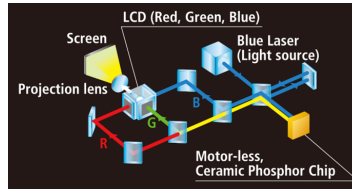


# 8940UL LCD Laser Projector



## Long Life 20,000 Hours Laser Light Source

The J series models have a new phosphor technology with a ceramic phosphor chip. This decreases the amount of moving and magnetic parts for stable performance, higher reliability and a lower noise level.



## UNIQUE FEATURES

### 360° Rotation/Portrait Projection

Display rotation of 360° and portrait projection for creative applications and greater installation flexibility.



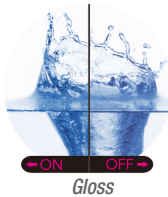
360° projection

### Accentualizer

Hitachi original technology makes pictures look more real by enhancing sharpness, gloss and shade to make pictures as clear as pictures on a flat-panel device. You can also adjust the effects by three levels according to your surroundings so that the colors of projected images are the actual colors of the objects they represent.



Sharpness



Gloss



Shade

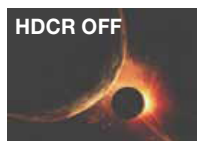
### Cloning Function

Copy setting data from one projector to others of the same model via the Projector Data Cloning Application. Cloning not only saves almost all PJ settings such as gamma and keystone, it saves countless hours in setup and installation.



### HDCR (High Dynamic Contrast Range)

When average projectors are used in bright rooms, the darker colors of an image deteriorate and images become unclear. Using this function, blurred images caused by room lighting or outside light sources are corrected, and an effect similar to increasing contrast occurs. This results in clear images even in bright rooms.



### Perfect Fit 2

Enables the user to adjust individual corners and sides independent of one another. Perfect Fit 2 provides vertical and horizontal digital correction of either barrel or pin cushion distortions. This feature helps correct geometric and complicated distortions. Perfect Fit 2 allows the projected image to fit correctly to the screen quickly and easily.



### Projector Quick Connection App For Mobile Devices

Our iOS application offers full projector control and also provides the capability to display photos, document files and web site contents. Available for iPad®, iPhone® and Android devices. Works over your LAN via your RJ-45 port or via an optional USBWL5G wireless adapter.



### Replacement (Vendor Command)

The new J Series Lineup can support specific control commands (RS-232C and LAN) of several other projector brands to make replacement easy. Supported functions: Power ON/OFF, Input Source, Volume Control, Mute (Picture/Audio/Shutter).



### Timer

The timer function can be used for count up or count down, perfect for use in classrooms or conference rooms.



### WiFi Solutions

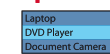
Supply DC 5V 2.0A power to streaming devices through USB. Supports popular streaming devices such as Amazon Fire TV 2nd and 3rd generations, Google Chromecast 3rd generation and Ultra, EZCast Pro2, Barco ClickShare C SE-200, wePresent, and QuattroPod.



## STANDARD FEATURES

### Input Source Naming

Users can rename input sources in more descriptive terms instead of the factory default names.



### Network Control, Maintenance and Security

Embedded networking gives you the ability to manage and control multiple projectors over your LAN. Features include scheduling of events, centralized reporting, image transfer and e-mail alerts for reactive and routine maintenance.



### PC-Less Presentation

By using a USB memory stick or other storage device, you can use the projector without a computer. Menus are easy to see with a thumbnail display. There is also a slideshow function. This feature also supports the following file types: JPG, PNG, BMP, and GIF.



### PIN Lock / MyScreen / MyText

PIN lock protection can limit projector users. MyScreen PIN lock keeps captured images on the startup screen. Users can set any name logo to MyScreen, clearly identifying ownership. MyText provides the ability to write text on the startup screen such as model name, serial number or location.



### PJMessenger

PJMessenger function allows you to send and display text messages and audio alerts on your networked projectors. It is an easy and efficient way to send announcements out to multiple units.



### Present Content via LAN

Maxell's suite of networking software allows you to easily send content directly from your PC to the projector via your LAN connection.



### Serial Number and Media Access Control Label

A label is affixed to side of projector to more easily access and read the model name, serial number and MAC address while mounted in ceiling use. This is a convenience for installers, end users and auditors for instant accessibility.



### Wireless Presentation Compatible

Connect the projector to a computer or your network using the optional USB wireless adapter (part number USBWL5G). The adapter supports IEEE802.11 a/b/g/n/ac.



# 8940UL LCD Laser Projector

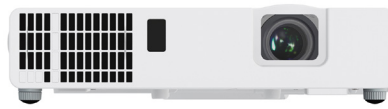
maxell

## Long-life reliability with a lower total cost of ownership.

From classrooms to conference rooms, Dukane's 8940UL can make a big impact on your audience. With 4,000 ANSI lumens brightness and WUXGA 1920 x 1200, the 8940UL is designed to make any message more memorable with colorful images, crisp text, and powerfully clear audio.



Incorporating Dukane's leading edge technology, the 8940UL combines superior image quality, long life reliability and low noise level. For added versatility, the 8940UL supports web control, PJLink, Crestron® Connected, and AMX. Plus, for added peace of mind, Dukane's 8940UL is backed by our world-class service and support programs.



Front View



3/4 View

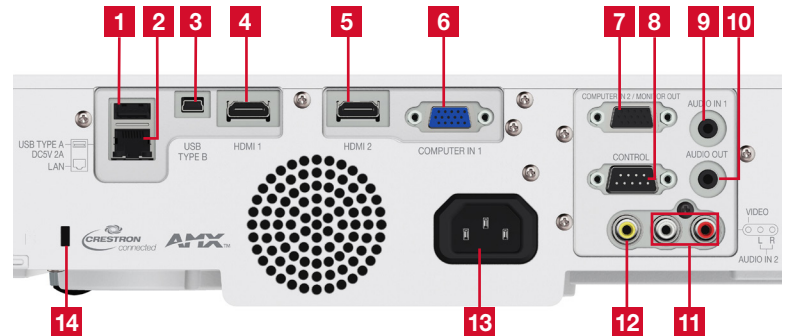


Top View



Back

## Input/Outputs



- |                            |                                  |                      |
|----------------------------|----------------------------------|----------------------|
| 1. USB Type A<br>DC5V 2.0A | 6. Computer in 1                 | 11. Audio in 2 (L/R) |
| 2. LAN                     | 7. Computer In 2/<br>Monitor Out | 12. Video            |
| 3. USB Type B              | 8. Control (RS-232C)             | 13. AC Power         |
| 4. HDMI 1                  | 9. Audio In 1                    | 14. Kensington Lock  |
| 5. HDMI 2                  | 10. Audio Out                    |                      |

# 8940UL

## Accessories and Lenses

<b>Supplied Accessories</b>	Power cable, RGB cable, remote control, AA batteries x 2, user's manual (concise)
<b>Optional Accessories</b>	USBWL5G wireless adapter
<b>Optional Lenses</b>	NA
<b>Replacement Parts</b>	
<b>Remote Control</b>	HL03037
<b>Filter</b>	UX44211

## Projection Throw Chart

Screen Size 16:10		Throw Distance	
Diagonal	Width	Min	Max
30	25	31	51
60	51	65	105
80	68	87	142
100	85	109	178
200	170	221	358
300	254	332	538

Throw Ratio: 1.3 - 2.1 : 1 (distance : width)  
Screen size and throw distance are measured in inches.

## Specifications

Display	<b>Projection Technology</b>	3LCD, 3 chip technology
	<b>Resolution</b>	WUXGA 1920 x 1200
	<b>White Light Output</b>	4,000 ANSI lumens
	<b>Colors</b>	10.7 billion colors
	<b>Aspect Ratio</b>	Native 16:10, 4:3, 16:9, 14:9 and zoom compatible
	<b>Contrast Ratio</b>	2,000,000 : 1
Lens & Operation	<b>Throw Ratio</b> (distance : width)	1.3 - 2.1 : 1
	<b>Focus Distance</b>	31" - 538"
	<b>Display Size</b>	30" - 300"
	<b>Lens</b>	x 1.6 manual zoom and focus
	<b>Lens Offset</b>	37%
	<b>Expected Light Source Life*</b>	20,000 hours (Normal and Whisper), 30,000 hours (Long life 1), 40,000 hours (Long life 2)
Compatibility	<b>Expected Filter Life**</b>	Approximately 5,000 hours
	<b>Speaker Output</b>	16W
	<b>Keystone</b>	Auto V, Manual H/V (±30°)
	<b>Computer</b>	VGA, SVGA, XGA, WXGA, SXGA, WSXGA+, HD, UXGA, WUXGA, MAC16"
	<b>H-Sync</b>	15 kHz - 106 kHz
	<b>V-Sync</b>	50 Hz - 120 Hz
Connectors	<b>Composite Video</b>	NTSC, NTSC4.43, PAL, PAL-M, -N, SECAM
	<b>Component Video</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
	<b>HDMI</b>	480i, 480p, 576i, 576p, 720p, 1080i, 1080p Computer signal TMDS Clock 25 MHz - 162 MHz
	<b>Digital Input</b>	HDMI x 2 (HDCP compliant)
	<b>Computer Input 1</b>	15-pin mini D-sub x 1 (shared with analog component video input)
	<b>Computer Input 2</b>	15-pin mini D-sub x 1 (shared with analog component video input and monitor out)
Ratings	<b>Computer Monitor Output</b>	15-pin mini D-sub x 1 (shared with computer in 2)
	<b>Video Input</b>	
	Composite Video	RCA jack x 1
	Component Video	15-pin mini D-sub x 2 (shared with computer in 1, in 2/monitor out)
	<b>Audio Input</b>	3.5 mm stereo mini jack x 1, RCA jack (L/R) x 1
	<b>Audio Output</b>	3.5 mm stereo mini jack x 1
Approvals	<b>Network LAN Wired</b>	RJ-45 port (10 base-T/100 base-TX)
	<b>Network LAN Wireless</b>	USB-A, IEEE802.11 a/b/g/n/ac - optional wireless adapter required
	<b>USB</b>	Type A x 1 (PC less presentation, wireless adapter or 5V/2A power supply) Type B x 1 (USB mouse control)
	<b>Control Terminals</b>	9-pin D-sub x 1 (RS-232 control)
	<b>Power Supply</b>	AC100-120V / AC220-240V, 50/60Hz
	<b>Power Consumption</b>	280W / 270W
Dimensions	<b>Operating Temperature</b>	32°F - 104°F (0°C - 40°C) Normal mode 95°F - 104°F / 35°C - 40°C brightness is reduced automatically)
	<b>Dimensions (W x D x H)</b>	13.0" x 10.6" x 2.7" (excluding protrusions)
	<b>Weight</b>	Approximately 7.9 lbs.
	<b>Approvals</b>	UL 60950-1 / cUL FCC Part 15 subpart B class B

Actual light source life will vary by individual light source based on environmental conditions, selected operating mode, user settings and usage. Hours of average light source life specified are not guaranteed and do not constitute part of the product or light source warranty. Light source brightness decreases over time.

\*\* Actual filter life will vary by individual filter based on environmental conditions, selected operating mode, user settings and usage. Hours of expected filter life specified are not guaranteed and do not constitute part of the product warranty.

