

# LAMP-FREE PROJECTORS

## EcoBright® ZX212ST / ZW212ST



### EASY AND LAMP FREE



Reduces power usage and eliminates the need for lamps



Virtually maintenance free – Ultimate reliability and no need to change filters or lamps



Save time and money – Less cost associated with maintenance and energy use



Minimal performance degradation over time – LED/laser technology stays bright



Optoma's laser/LED projectors bring together innovative technologies that make them light, bright and easy to use and maintain. These lamp-free projectors help businesses and educators deliver their message effectively while reducing their carbon footprint. The maintenance-free light source lasts over 20,000 hours, ensuring that these projectors give years of service without needing to replace or dispose of any lamp. Both incorporate a short-throw design and weigh about nine pounds. Both deliver business-ready brightness with ZX212ST at 2300 lumens, and the ZW212ST at 2500 lumens, while 100,000:1 contrast ratio ensures crisp and clear text. Whether for classrooms or meeting rooms, wireless capabilities and Crestron® certification allow for remote management and control to support quick and easy usage.

### CONNECTIVITY (May require optional accessories)



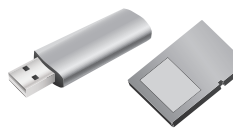
COMPUTERS



SMART PHONES



TABLETS



USB

SD Card



BLU-RAY/DVD PLAYERS



SET TOP BOXES



CAMCORDERS



GAME CONSOLES



DIGITAL CAMERAS

## LAMP-FREE PROJECTORS – EcoBright ZX212ST, ZW212ST

### OPTICAL/TECHNICAL SPECIFICATIONS

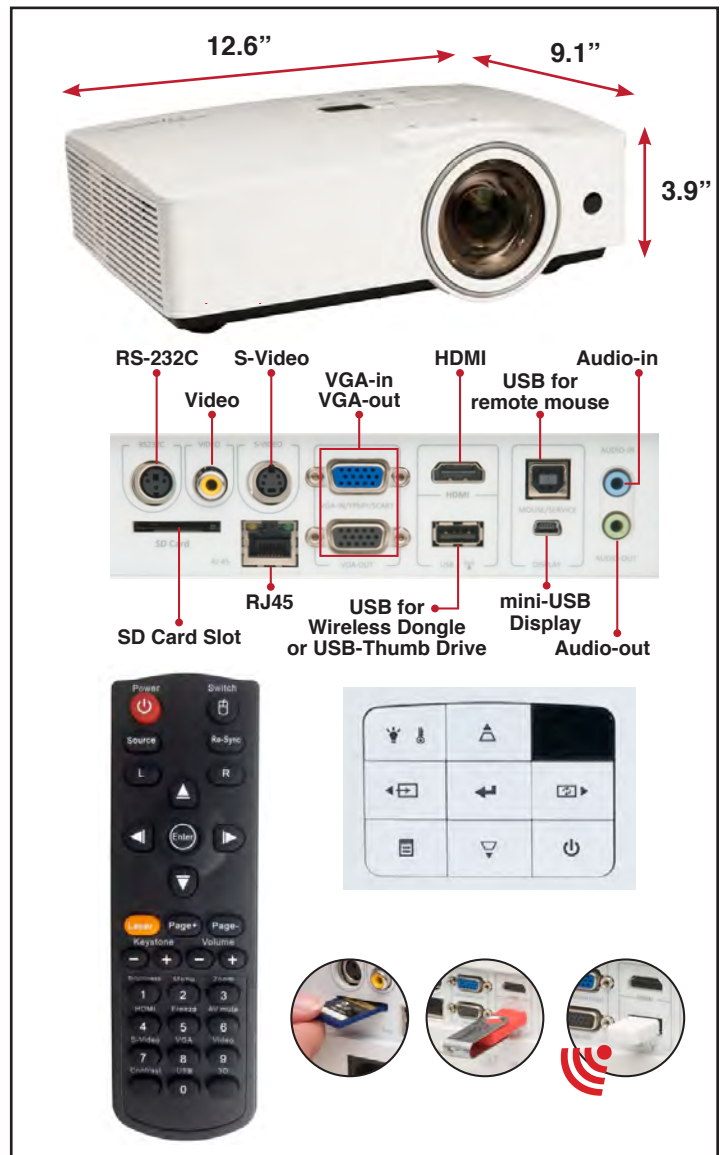
<b>Display Technology</b>	ZX– Single 0.55" DMD DLP® Technology ZW– Single 0.65" DMD DLP® Technology
<b>Native Resolution</b>	ZX– XGA (1024 x 768) ZW– WXGA (1280 x 800)
<b>Brightness</b>	ZX– 2300 lumens ZW– 2500 lumens
<b>Contrast Ratio</b>	Up to 100,000:1
<b>Displayable Colors</b>	1.07 Billion
<b>Light Source Life and Type</b>	20,000 hours, LED / Laser Hybrid
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone</b>	+/- 40 Vertical
<b>Uniformity</b>	>80%
<b>Aspect Ratio</b>	ZX– 4:3 Native; 16:9 and 16:10 compatible ZW– 16:10 Native; 16:9 and 4:3 compatible
<b>Throw Ratio (Distance/Width)</b>	ZX– 0.626 ZW– 0.52
<b>Projection Distance</b>	1.3' to 16.4' (.4 to 5 m)
<b>Image Size (Diagonal)</b>	ZX– 39.3" to 300" (0.99 to 7.62 m) ZW– 44.6" to 300" (1.3 to 7.62 m)
<b>Projection Lens</b>	ZX– F=2.8, f=7.02 mm ZW– F=2.8, f=7.34 mm
<b>Offset</b>	ZX–115% ZW–112%
<b>Audio</b>	Two 5-Watt speakers
<b>Noise Level (STD/Bright)</b>	32dB/34dB
<b>Remote Control</b>	IR remote mouse control with laser
<b>Operating Temperature</b>	41° to 104°F (5° to 40°C), 80% max humidity
<b>Power Supply</b>	AC input 100-240V, 50-60Hz, auto-switching
<b>Power Consumption</b>	130W typical <0.5W standby power

### COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA, VESA, PC and Macintosh compatible
<b>Video Input Compatibility</b>	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
<b>Vertical Scan Rate</b>	25 to 85Hz, 120Hz
<b>Horizontal Scan Rate</b>	15.3 to 91.1KHz
<b>User Controls</b>	Complete on-screen menu in 23 languages
<b>I/O Connection Ports</b>	HDMI, VGA-in, mini-USB for display, USB for wireless, VGA-out, S-Video, composite video, audio-in, audio-out, SD card, RJ45 and mini-din RS-232
<b>Loop Through (Audio, VGA)</b>	Monitor: D-sub 15-pin VGA output (functional in both normal and standby modes)
<b>Office Viewer Compatibility</b>	MicroSoft PowerPoint, Word, Excel, .txt, Adobe PDF
<b>Video File Compatibility</b>	H.264 (AVI, MOV, MP4, 3GP), MPEG4 (AVI), Xvid (AVI, MPEG (AVI)
<b>Image File Compatibility</b>	JPEG, BMP

### PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock
<b>Weight</b>	9.4 lb (4.3 kg)
<b>Dimensions</b>	12.6" x 3.9" x 9.1" (321 x 100 x 231 mm)
<b>Carton Dimensions</b>	19.5" x 13.1" x 7.2" (495 x 332 x 183 mm)



#### Warranty

Three-year Optoma Express Replacement Service or 10,000 hours on light source, whichever comes first

#### What Comes in the Box

Projector, AC power cord, VGA cable, remote control, batteries for remote, user's guide (CD), quick start card, warranty card, lens cap

#### Optional Accessories

White dual-stud wall mount, mini USB WiFi dongle, HDMI cable, VGA to component cable, composite video cable, Optoma screens, case

#### Part numbers

Remote control: BR-5038L  
Screen: DS-9092PMG

Case: BK-4028  
White dual-stud wall mount: BM-3004U

#### UPC

ZX212ST: 796435 41 853 3  
ZW212ST: 796435 41 854 0

[www.OptomaUSA.com](http://www.OptomaUSA.com)

**Optoma**  
Projector Expert

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