

# ZW350e

Compact high brightness laser projector



- **Bright WXGA laser projector - 4000 lumens and IP6X certified**
- **Reduced power consumption for a long life span - DuraCore laser technology delivers 30,000 hours maintenance free laser light source**
- **Compact for easy installation - 1.1x zoom, 360-degree and portrait projection**
- **External power supply - More reliability, portability and energy efficiency**

The ZW350e is one of Optoma's most compact and hassle-free WXGA DuraCore laser projectors to date. Designed for maintenance-free continuous operation, this 4000-lumen projector delivers powerful image performance with flexible installation features and extensive connectivity options in a sleek, compact form factor, up to 34% smaller than previous Optoma models.<sup>1</sup>

An added benefit, the ZW350e features an external power supply offering more reliability, portability and energy efficiency.



## Specifications

EAN: 5055387666382, Colour: White

UPC: 796435 44 612 3, Colour: White

Display/image	
Display technology	DLP™
Resolution	WXGA (1280x800)
Brightness	4,000 lumens
Contrast ratio	300,000:1
Contrast ratio - dynamic	2,000,000:1
Native aspect ratio	16:10
Aspect ratio - compatible	4:3, 16:9
Keystone correction - vertical	+/-40°
Displayable colors (millions)	1073.4
Horizontal scan rate	15 ~ 140Khz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	20" ~ 300" diagonal
Lamp info	
Light source type	Laser
LASER life	30,000 hours
Optical	
Throw ratio	1.54:1 ~ 1.72:1
Projection distance	39.37" - 393.7"
Zoom	1.1
Zoom type	Manual
Focal length (mm)	21.85 ~ 24.00
Native offset	112%
Connectivity	
Connections	<b>Inputs</b> 2 x HDMI 1.4a 3D support <b>Outputs</b> 1 x Audio 3.5mm, 1 x USB-A power 1.5A <b>Control</b> 1 x RS232
General	
Noise level (typical)	31dB
Noise level (max)	34dB
PC compatibility	FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4.43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
3D	Full 3D
Security	Security bar, Kensington Lock, Password protected interface
IP rating	IP6X
OSD / display languages	25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese
24/7 operation	Yes
360° operation	Yes
Operating conditions	0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 3000m
Remote control	Card style
Speaker count	1
Watts per speaker	15W
In the box	AC power cord Remote control 1x CR2025 battery Basic user manual
Optional wireless models	UHDCast Pro
Power	
Power supply	External power supply, 100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	88W
Power consumption (max)	139W
Weight and dimensions	
Dimensions (W x D x H)	10.79" x 8.5" x 4.49"
Gross weight	9.26 lbs
Net weight	6.61 lbs



# ZH400

Compact high brightness Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 4000 lumens and IP6X certified**
- **Compact for easy installation - 1.1x zoom, 360-degree and portrait projection**
- **Reduced power consumption for a long life span - DuraCore laser technology delivers 30,000 hours maintenance free laser light source**
- **External power supply - More reliability, portability and energy efficiency**



The ZH400 is one of Optoma's most compact and hassle-free Full HD 1080p DuraCore laser projectors to date. Designed for maintenance-free continuous operation, this 4000-lumen projector delivers powerful image performance with flexible installation features and extensive connectivity options in a sleek, compact form factor, up to 34% smaller than previous Optoma models.<sup>1</sup>

An added benefit, the ZH400 features an external power supply offering more reliability, portability and energy efficiency.

## Specifications

EAN: 5055387667617, Colour: White

UPC: 796435 44 689 5, Colour: White



### Display/image

Display technology	DLP™
Resolution	1080p Full HD (1920x1080)
Brightness	4,000 lumens
Contrast ratio	300,000:1
Contrast ratio - dynamic	2,000,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3,16:9,16:10
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Displayable colors (millions)	1073.4
Horizontal scan rate	15 ~ 140KHz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	20" ~ 300" diagonal

### Lamp info

Light source type	Laser
LASER life	30,000 hours

### Optical

Throw ratio	1.48:1 ~ 1.62:1
Projection distance	39.37" - 393.7"
Zoom	1.1
Zoom type	Manual
Focal length (mm)	12.81 ~ 16.74
Native offset	116%

### Connectivity

Connections	<b>Inputs</b> 2 x HDMI 2.0 <b>Outputs</b> 1 x Audio 3.5mm, 1 x USB-A power 1.5A <b>Control</b> 1 x RS232
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### General

Noise level (typical)	27dB
Noise level (max)	32dB
PC compatibility	FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4.43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
3D compatibility	Yes (DLP 3D; PC frame sequential 120Hz 3D, Blu-ray DVD 3D)
3D	Full 3D
Security	Security bar, Kensington Lock, Password protected interface
IP rating	IP6X
OSD / display languages	25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese
24/7 operation	Yes
360° operation	Yes
Operating conditions	0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2500m
Remote control	Card style
Speaker count	1
Watts per speaker	15W
In the box	AC power cord Remote control 1x CR2025 battery Basic user manual
Optional wireless models	UHDCast Pro

### Power

Power supply	100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	88W
Power consumption (max)	139W

### Weight and dimensions

Dimensions (W x D x H)	10.79" x 8.5" x 4.49"
Gross weight	9.26 lbs
Net weight	6.61 lbs





# ZH450

Eco-friendly ultra-compact high brightness Full HD 1080p laser projector



- **Bright Full HD 1080p DuraCore laser projector - 4500 lumens and IP6X certified**
- **Small form factor for easy installation - 1.6x zoom, 360-degree and portrait projection**
- **DuraCore laser technology - Long laser life span of up to 30,000 hours maintenance-free operation**
- **Built with the environment in mind - Made with up to 50% PCR (Post-Consumer Recycled) plastics and up to 99% of its packaging is recyclable**



The ZH450 is Optoma's most compact hassle-free Full HD 1080p DuraCore laser projector to date. Designed for maintenance-free continuous operation, it can be installed in virtually any orientation and location due to its small and lightweight footprint.

Designed with the environment in mind, the ZH450 cuts power by 47% vs a typical Optoma lamp-based product. Energy-saving laser technology ensures a long product lifespan of up to 30,000 hours without the need for additional lamps and is mercury-free, further lowering its carbon footprint. In addition, the eco-friendly chassis design is made with up to 50% PCR (Post-Consumer Recycled) plastics and up to 99% of its packaging is recyclable.

## Specifications

EAN: 5055387666825, Colour: White

UPC: 796435 44 659 8, Colour: White



### Display/image

Display technology	DLP™
Resolution	1080p Full HD (1920x1080)
Brightness	4,500 lumens
Contrast ratio	300,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3, 16:9
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Has vertical auto keystone correction	Yes
Displayable colors (millions)	1073.4
Horizontal scan rate	15 ~ 140Khz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	20" ~ 322" diagonal

### Lamp info

Light source type	Laser
LASER life	30,000 hours

### Optical

Throw ratio	1.4:1 ~ 2.24:1
Projection distance	39.37" - 393.7"
Zoom	1.6
Zoom type	Manual
Focal length (mm)	20.91 ~ 32.62
Native offset	116%

### Connectivity

Connections	<b>Inputs</b> 2 x HDMI 2.0 <b>Outputs</b> 1 x Audio 3.5mm, 1 x USB-A power 1.5A <b>Control</b> 1 x RS232, 1 x RJ45
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### General

Noise level (typical)	29dB
Noise level (max)	31dB
PC compatibility	FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4.43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080(50/60Hz), 1080p(50/60Hz)
3D compatibility	Yes (DLP 3D; PC frame sequential 120Hz 3D, Blu-r
3D	3D ready
Security	Security bar, Kensington Lock, Password protected interface
IP rating	IP6X
OSD / display languages	25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese
24/7 operation	Yes
360° operation	Yes
Operating conditions	0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m
Remote control	Card style
Speaker count	1
Watts per speaker	15W
In the box	AC power cord Remote control 2x AAA batteries Basic user manual

### Optional wireless models

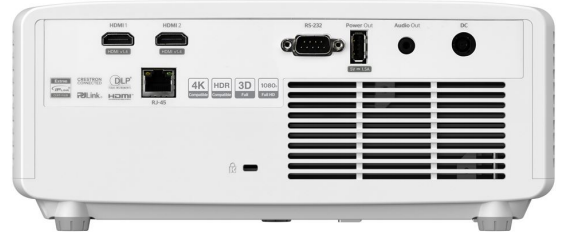
UHDCast Pro

### Power

Power supply	100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	119W
Power consumption (max)	173W

### Weight and dimensions

Dimensions (W x D x H)	10.79" x 8.5" x 4.49"
Gross weight	9.26 lbs
Net weight	6.61 lbs



# ZH450ST

Eco-friendly high brightness short throw Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 4200 lumens and IP6X certified**
- **Compact and short throw lens for easy installation - 360-degree and portrait projection**
- **Reduced power consumption for a long life span - DuraCore laser technology delivers 30,000 hours maintenance free laser light source**
- **External power supply - More reliability, portability and energy efficiency**



The ZH450ST is one of Optoma's most compact and hassle-free Full HD 1080p DuraCore laser projectors to date. Designed for maintenance-free continuous operation, this 4200-lumen projector delivers powerful image performance with flexible installation features and extensive connectivity options in a sleek, compact form factor, up to 34% smaller than previous Optoma models.<sup>1</sup>

An added benefit, the ZH450ST features an external power supply offering more reliability, portability and energy efficiency.



## Specifications

EAN: 5055387666818, Colour: White

UPC: 796435 44 658 1, Colour: White



### Display/image

Display technology	DLP™
Resolution	1080p Full HD (1920x1080)
Brightness	4,200 lumens
Contrast ratio	1,800:1
ANSI contrast ratio	300,000
Contrast ratio - dynamic	2,000,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3, 16:9, 16:10
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Displayable colors (millions)	1073.4
Horizontal scan rate	15 ~ 140Khz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	36" ~ 292" diagonal

### Lamp info

Light source type	Laser
LASER life	30,000 hours

### Optical

Throw ratio	0.496:1
Projection distance	15.75" - 125.98"
Zoom type	Fixed
Focal length (mm)	7.51
Native offset	116%

### Connectivity

Connections	<b>Inputs</b> 2 x HDMI 2.0 <b>Outputs</b> 1 x Audio 3.5mm, 1 x USB-A power 1.5A <b>Control</b> 1 x RS232, 1 x RJ45
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### General

Noise level (typical)	32dB
Noise level (max)	34dB
PC compatibility	FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4.43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
3D compatibility	Yes (DLP 3D; PC frame sequential 120Hz 3D, Blu-ray DVD 3D)ver-Under: 1080p24, 720p50 / 60
3D	Full 3D
Security	Security bar, Kensington Lock, Password protected interface
IP rating	IP6X
OSD / display languages	25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese
24/7 operation	Yes
360° operation	Yes
Operating conditions	0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m
Remote control	Card style
Speaker count	1
Watts per speaker	15W
In the box	AC power cord Remote control 1x CR2025 battery Basic user manual

### Optional wireless models

UHDCast Pro

### Power

Power supply	External power supply, 100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	119W
Power consumption (max)	173W

### Weight and dimensions

Dimensions (W x D x H)	10.79" x 8.5" x 4.49"
Gross weight	9.26 lbs
Net weight	6.61 lbs

