

Optoma ZH451ST

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Brief Introduction

Beta 2.5

Display Type

Ansi-Lumen

Contrast

Black Level

Offset

Resolution

Video Modes

Disc Recognition

3D Compatibility

Application

Light Source

Light Life

Operating Costs

Focus

Zoom

Objective

Throw Ratio

Audio

Connections

Brief overview of the Optoma ZH451ST. This short-throw DLP laser projector features an HDTV resolution of 1920 x 1080 and a contrast ratio of 300,000:1. It is a laser projector with a light source lifespan of 30,000 hours, which equates to over 20.5 years at 4 hours of use per day.



1 x DLP Chip
HDTV 16/9 Ti Digital Light Processing Chip

Projector

4200

300000:1 full on/off

0,0140 min. Lumen

Screen

1867 Lux (200 cm Screen width)

300000:1 full on/off

0,006 min. Lumen

HDTV 1920 x 1080

2.073.600 Pixel

Video Modes Pal, SECAM, NTSC, HDTV 720p, 1080i, 1080p, 3D, EDTV 480p, 576p

Disc Recognition DVD | HD Blu-ray | 3D Blu-ray | 4K UHD Blu-ray

3D Compatibility Frame-Packing (Full HD 3D) | Side-by-Side | Top-and-Bottom

Frame Sequential (3D Ready)

Application Short Distance | Gaming | Wide screen width or rooms with plenty of light (over 200 lumens).

Light Source DuraCore Laser

Light Life 30000 h.

Operating Costs 0,00 € Laser

Focus Manual

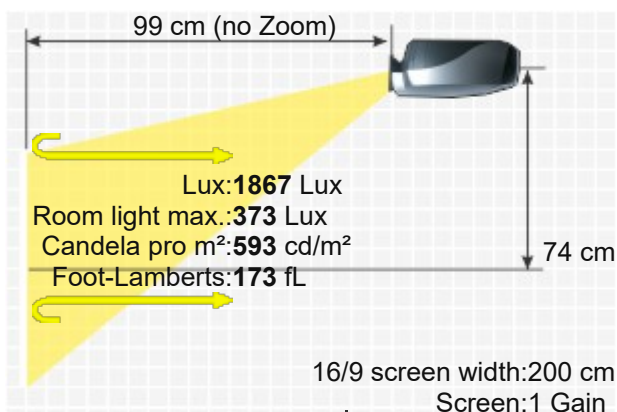
Zoom No Zoom

Objective f=7,51mm

Throw Ratio 0,496:1

Audio 1 x 15W

Connections 2x HDMI 2.0 in
D-Sub 15 Pin in
Mini Jack Audio in und out
USB-A in
3D Sync Out
RS232C Din 9 pin in
RJ45 Lan
12V Trigger





Ceiling Mounting
Power
Size WxHxD
Operating Noise

Yes, is possible.
170W Max / 120W Minimum
274,1 x 114 x 215,9 mm (10,8"x4,5"x8,5") 6,72 L/dm³
31 / 29 dB in Eco Mode

Weight
Keystone
Illumination

2,99 kg / 4,41 lbs.
Vert.: +/-15°
Hori.: +/-15°
75%

Frequenz

H-sync: 15-135 kHz
V-sync: 24-120 Hz

Foot-Lamberts

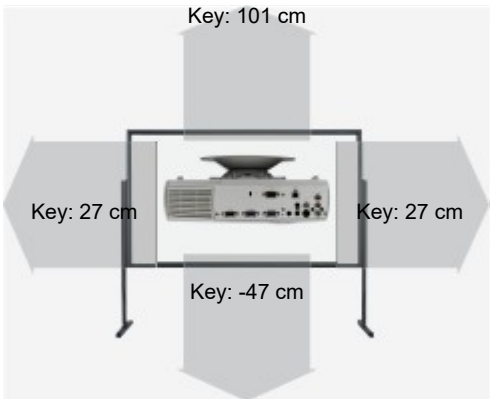
173 fL / max. 658 cm screen width
593 cd/m²

- Real Full HD 3D
- Full HD 1080P compatible
- Eco Mode
- Kensington Slot
- 360° installable
- 24/7 continuous operation capable
- PLink™
- Lan network compatible.
- Short-throw projector
- Crestron®-Software compatible.
- Golf SIM
- 24FPS Mode
- AMX
- Crestron RoomView
- Extron IPLink compatible
- Game Mode Input Latency: 16.7ms @ 4K
- Refresh Rate: 60Hz @ 4K, 120Hz @ 1080P

Features

Screen Mirroring

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Optional accessories

	Fernbedienung Original	BR-ZH400	28,86 €
	Deckenhalterung Länge 100-120 mm	Halterung100	47,86 €

Status

2026 Current model // Last update of the data: 2026-06-29
Created: 2026-05-06 11:22:04

Data



More Details



HCinema

<https://www.projector-database.com/pro/optomazh451st-en.html>

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