

Optoma ZK451

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OPTOMA ZK451



A brief introduction to the Optoma ZK451. This DLP laser projector has a UHD (4K2K) resolution of 3840 x 2160 and a contrast ratio of 300,000:1. The manufacturer specifies a laser lifespan of 30,000 hours, which would equate to over 20.5 years based on four hours? viewing per day. Thanks to horizontal and vertical keystone correction, the projector can be positioned with great flexibility. 4,500 ANSI lumens ensure that an image width of up to 675 cm is possible. In rooms with ambient light, the projector performs best with a narrower image width; we would recommend a maximum of 450 cm. The model supports optional AirPlay and Miracast screen mirroring signals, making it possible to play high-resolution videos with surround sound directly via Wi-Fi from a smartphone, tablet or PC (Android, Windows and iOS). The projector also handles 1080p and 4K video signals as well as 3D with ease, meaning it can support all currently available Blu-ray formats.

Brief Introduction

Beta 2.5

Display Type

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

Ansi-Lumen

4500

2000 Lux (200 cm Screen width)

Contrast

300000:1

300000:1

Black Level Offset

0,0150 min. Lumen

0,007 min. Lumen

Resolution

UHD (4K2K) 3840 x 2160
8.294.400 Pixel / FHD E-Shift

Video Modes

Pal, SECAM, NTSC, HDTV 720p, 1080i, 1080p, 4K UHD, 3D, EDTV 480p, 576p

3D Compatibility

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

Application

Standard-Portabel | Gaming | External training and company presentations, as well as product presentations.

Wide screen width or rooms with plenty of light (over 200 lumens).

Light Source

Laser

Light Life

30000 h.

Operating Costs

0,00 € Laser

Focus

Manual

Zoom

Manual x1,6

Objective

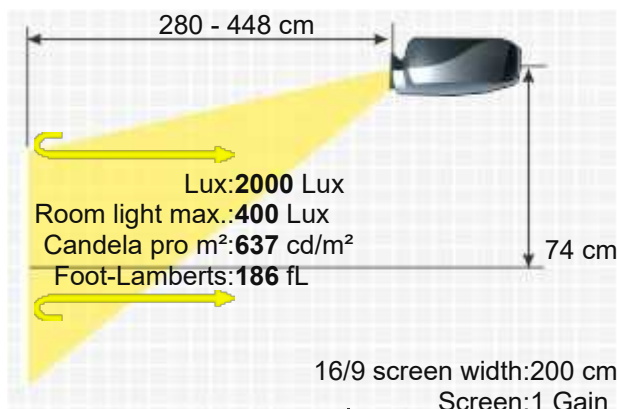
f=20,91-32,62 mm

Throw Ratio

1,4-2,24:1

Audio

1 x 15W



2x HDMI 2.0 (1xeARC) in
D-sub 15pin in
3D Sync Out
Mini Jack Audio in und out
2x USB-A (1.5A) in
RS232C Din 9 pin in
RJ45 in
12V Trigger

Connections

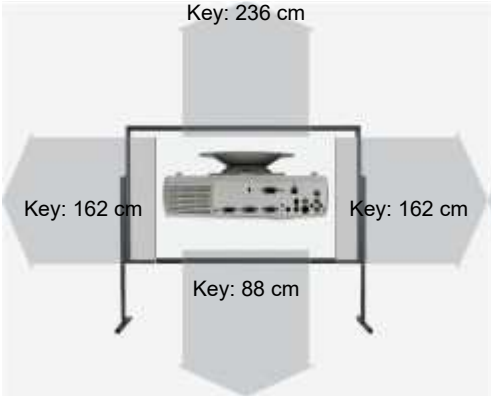


Ceiling Mounting
Power
Size WxHxD
Operating Noise

Yes, is possible.
178W Normal / 124W Eco Mode
274 x 114 x 216 mm (10,8"x4,5"x8,5") 6,75 L/dm³
35 / 29 dB in Eco Mode

Weight
Keystone
Illumination
Frequenz
Foot-Lamberts

2,90 kg / 4,41 lbs.
Vert.: +/-30° automatisch
Hori.: +/-30°
80%
H-sync: 15-150 kHz
V-sync: 24-120 Hz
186 fL / max. 675 cm screen width
637 cd/m²
■ Real Full HD 3D
■ Full HD 1080P compatible
■ Eco Mode
■ Automatic and manual vertical keystone correction
■ Kensington Slot
■ 360° installable
■ 24/7 continuous operation capable
■ Password protection
■ Optional Wi-Fi network compatible.
■ Lan network compatible.
■ Optoma Smart Control App
■ Auto Screen Fit
■ Auto Obstacle Avoidance
■ Auto 4P Keystone
■ Optoma Management Suite (OMS?)
■ OTA Firmware Updates
■ Game Mode Input Latency: 32 ms @ WXGA



Features

Screen Mirroring

Miracast, Airplay

Optional accessories



Deckenhalterung Länge 100-120 mm

Halterung100

47,86 €

Status

2026 Current model // Last update of the data: 2026-08-11
Created: 2026-07-23 09:15:11

Data





More Details

HCinema

<https://www.projector-database.com/pro/optomazk451-en.html>

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