

EcoBright™



Lamp-Free Projectors

Optoma
Projector Expert



ABOUT OPTOMA

Recognized as an industry leader, Optoma offers projectors that deliver a winning combination of craftsmanship, advanced engineering and user-focused features at compelling price points. Optoma, which offers the broadest array of projector choices in the industry, has captured a leadership position as:

#1 Brand of DLP-Based Projectors

#1 Brand of New Era, Non-Lamp Projectors

Touchboards

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Why EcoBright?

- ✓ **Instant On/Off**
- ✓ **Up to 40% Reduced Power Usage**
- ✓ **Lower Total Cost of Ownership**
- ✓ **Virtually No Maintenance**
- ✓ **No Lamps to Replace**
- ✓ **No Filters to Change**
- ✓ **Affordable Large Screen Display**
- ✓ **Minimal Performance Degradation**
- ✓ **Best-in-Class Warranty**
- ✓ **Excellent Color Performance**
- ✓ **Full Multimedia Feature Set**
- ✓ **High Usage Applications**
- ✓ **Harsh Environment Usage**
- ✓ **Environmentally Friendly**
- ✓ **No Screen Burn**

Innovative Design that Saves Money

Why Lamp-Free Technology?

As part of its mission to deliver right-fit projection to its customers, Optoma strives to be a leader in emerging light source technologies. Optoma's portfolio includes LED-based projectors to deliver small and light form factors, as well as combination LED/laser models that serve the needs of those who want lamp-free benefits for larger audiences and bigger screens.

Instant On/Off

Optoma's lamp-free technologies enable users to take advantage of instant on/off capabilities to streamline use during meetings or classes.



No Lamps or Filters to Replace

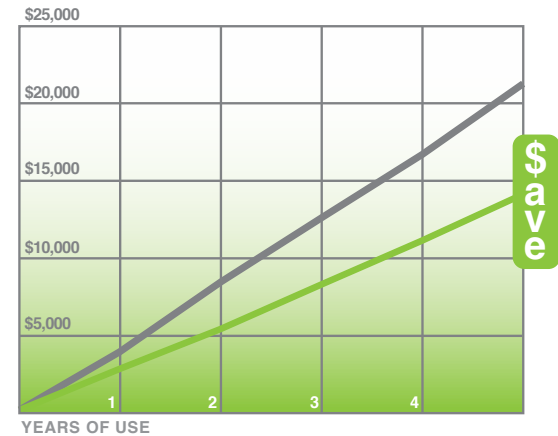
Optoma leads the industry in delivering cutting-edge projection technology to its customers. The EcoBright family of projectors is virtually maintenance free, as there are no lamps or filters to replace.

Affordable Large Screen Display

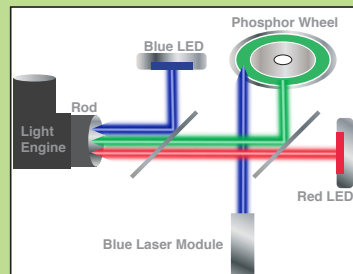
Optoma projectors offer the best value for large screen display. For example, the acquisition and operating costs for an EcoBright projector are a fraction of those expenditures for an 82" LCD flat panel.

Lower Total Cost of Ownership

Optoma's EcoBright projectors deliver optimal return on investment over time, based on long life, no need to replace lamps or filters, reduced energy use and minimal upkeep.



Based on the installation of 50 projectors comparing a typical lamp-based projector and an Optoma EcoBright projector, you could save \$6,750 just on electricity over a 5-year period. Comparison based on 1,200 hours of use per year.



What is LED/Laser Technology?

Optoma has developed a combination LED/laser engine for its new Z-series that uses both LEDs and lasers to provide the optimal combination of energy efficiency, brightness and color accuracy. In Optoma's Z-Series, LED technology delivers the two colors more efficiently (Red/Blue). Meanwhile, a blue laser focused onto a phosphor wheel generates the green color light with the highest efficiency. A sealed optical system, lens and light source protects the projector from harmful dust which can reduce its lifespan. The Z-series form factor also enables better thermal and noise control, so that these projectors run very cool and quiet.

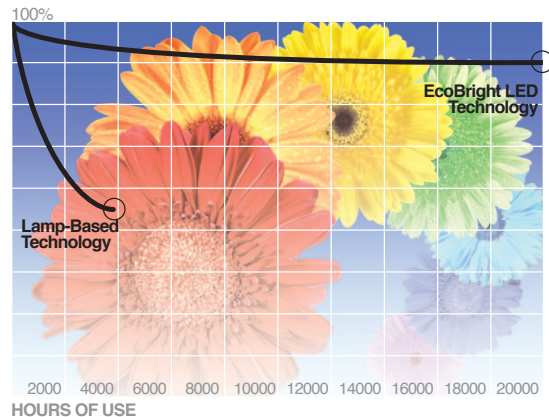
Earth Friendly Projectors that Perform

Reduced Power Usage

Optoma's lamp-free technologies minimize power consumption by **UP TO 40%**, reducing your carbon footprint and electrical expense.

Minimal Performance Degradation

Optoma's EcoBright projectors will maintain high brightness over a long life with minimal degradation over time. Their lamp-free light source is rated at 20,000 hours, equivalent to more than four hours of use every day for over 13 years.



Best-in-Class Warranty

Optoma stands by the EcoBright family of projectors with a Three-year Optoma Express Replacement Service Warranty or 10,000 hours on the light source, whichever comes first.



The EcoBright Z-series integrates LED/laser technology to support high usage in classrooms and conference rooms with minimal risk of down-time.

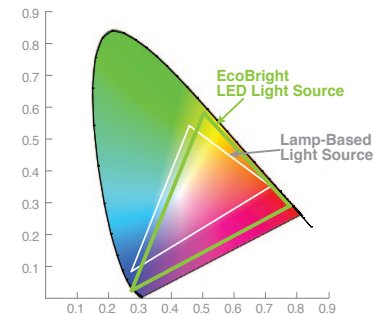
Excellent Color Performance

Optoma's lamp-free projectors deliver a wider color gamut than other technologies, adding more colors to bring images alive. Enjoy vibrant color and minimal color degradation over the long life of the projector.



Lamp-Based Technology

EcoBright Technology



Connect & Project



The EcoBright family is designed for ease of use and peace of mind. **LAMP-FREE** and **FILTER-FREE** technologies minimize maintenance, time and expense while **INSTANT ON/OFF** and **WIRELESS PROJECTION** get users up and running quickly. Built-in **MS OFFICE VIEWER** supports **PC-FREE PROJECTION** of documents, spreadsheets, presentations and more. A market-leading **THREE-YEAR EXPRESS REPLACEMENT WARRANTY IS INCLUDED.**



TL30W MOBILE LED PROJECTOR

Native Resolution	WXGA (1280 x 800)
Brightness	300 lumens
Contrast Ratio	3000:1 (full on/full off)
Light Source Type and Life	LED, 20,000 hours
Projection Distance	1.83' to 16.9'
Image Size (Diagonal)	17" to 160"
Audio	One 2-Watt speaker
Power Consumption	90 Watts max (bright mode with multimedia function), <0.5 Watt standby power
WiFi	Includes Optoma mini USB WiFi Dongle (BI-EXTBGN)
Weight	1.4 lbs. (635g)
Dimensions	7.2" x 1.8" x 4.4" (184 x 45 x 112mm)
Accessories	Remote: BR-ML30N (incl.) Case: BK-ML30S (incl.)



TL50W MOBILE LED PROJECTOR

Native Resolution	WXGA (1280 x 800)
Brightness	500 lumens
Contrast Ratio	3000:1 (full on/full off)
Light Source Type and Life	LED, 20,000 hours
Projection Distance	1.8' to 18'
Image Size (Diagonal)	17" to 180"
Audio	One 2-Watt speaker
Power Consumption	120 Watts max (bright mode with multimedia function), <0.5 Watt standby power
WiFi	Includes Optoma mini USB WiFi Dongle (BI-EXTBGN)
Weight	2.5 lbs. (1.1kg)
Dimensions	8.7" x 1.7" x 6.7" (221 x 43 x 170mm)
Accessories	Remote: BR-ML50N (incl.) Case: BK-ML50S (incl.)



ZX210ST/ZW210ST LASER/LED PROJECTOR

Native Resolution	ZX – XGA (1024 x 768) ZW – WXGA (1280 x 800)
Brightness	2000 lumens
Contrast Ratio	Up to 100,000:1
Light Source Type and Life	LED / Laser, 20,000 hours
Projection Distance	1.3' to 16.4'
Image Size (Diagonal)	ZX – 39.3" to 300" ZW – 44.6" to 300"
Audio	Two 5-Watt speakers
Power Consumption	130 Watts typical, <0.5 Watt standby power
WiFi	Compatible with Optoma mini USB WiFi Dongle (BI-EXTBGN)
Weight	9.4 lbs. (4.3kg)
Dimensions	12.6" x 3.9" x 9.1" (320 x 99 x 231mm)
Accessories	Remote: BR-5038L (incl.) Ceiling Mount: BM-5001U Case: BK-4028 Screen: DS-9092PMG



COMPUTERS



SMART PHONES



TABLETS



BLU-RAY/DVD PLAYERS

SET TOP BOXES



CAMCORDERS



GAME CONSOLES



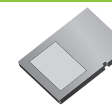
DIGITAL CAMERAS



USB



WIRELESS



SD CARD



microSD



About Optoma EcoTrade

The EcoBright family of projectors is eligible for the Optoma EcoTrade Program. As part of the program, users can trade in their used projector for safe disposal or re-use. This market-leading trade-in program makes it simple to decrease the cost of acquiring the latest technology.

About Project Green

Optoma designs and manufactures its projectors for eco-friendliness from cradle to grave. Compact and lightweight designs reduce the production of greenhouse gasses during transportation. Meanwhile, lamp-free technologies reduce power consumption. Recycled and carefully designed packaging reduces waste, while digital manuals eliminate paper printouts. In addition, Optoma works to comply with environmental standards around the world.

www.OptomaUSA.com

