

ALL-IN-ONE PROJECTOR  
Epson EH-DM30HD

EPSON  
EXCEED YOUR VISION

## THE COMPACT, ALL-IN-ONE HD PROJECTOR

– bringing the big screen to your home



Epson's breakthrough 3LCD technology delivers superb-quality imagery and sound in big-screen splendour. The EH-DM30HD is designed with a built-in CD/DVD player and dual Dolby® 5.1 Digital DTS® 10 W stereo speakers. Compatible with a variety of entertainment media, this all-in-one projector is sure to give you an exciting home cinema experience, every time. Now, you can experience brilliant, larger than-life entertainment – up to 12 times larger than on a 40" widescreen TV – without having to leave home.

- **Enjoy High-definition, Big-screen Entertainment at Home**  
Take home theatre entertainment to a whole new level with this projector's impressive resolution and projection size – up to 12 times larger than on a 40" widescreen TV
- **Optimise Colour and Brightness Easily**  
Experience consistent high-quality movies, games or slide shows any time of the day without adjusting ambient lighting
- **Deliver Powerful Audio Output**  
Enhance your entertainment experience with the projector's built-in speakers that deliver impressive sound projection





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## ENJOY HIGH-DEFINITION, BIG-SCREEN ENTERTAINMENT AT HOME

Epson lets you experience cinema's best seat in the comfort of your home. This projector boasts widescreen, 720p resolution that offers larger-than-life, high-definition images up to 12 times larger than on a regular widescreen TV – making your home the most exciting entertainment spot there is.



## OPTIMISE COLOUR AND BRIGHTNESS EASILY

Schedule your family entertainment anytime of the day without having to turn off the lights or pull down the blinds. With the auto colour optimiser, this projector is able to intelligently choose a suitable brightness level and colour mode depending on the light level in the room. You can now easily enjoy crisp, clear and bright images in any room conditions.

Brightness	Usage Environment		Transition
	Images	Description	
300 - lx		Daylight viewing	
100 - 300 lx		Daylight viewing with ambient light	
30 - 100 lx		Night-time viewing with ambient light	
0 - 30 lx		Night-time viewing without any light	

## DELIVER POWERFUL AUDIO OUTPUT

Two built-in 10W Dolby® Digital speakers with Digital DTS® Surround allow you to enjoy home movies, games and photo slide shows without the need for additional external speakers. With this projector feature, entertainment has never been as thrilling.



Built-in Speakers

## ENHANCE IMAGE SHARPNESS

Epson EH-DM30HD features high-contrast performance of up to 3,000:1, displaying deep black and crisp, bright white for sharper images. This ensures that your slide shows, movies and video games have incredible image quality and sharpness even in rooms with ambient light.



## SET UP YOUR ENTERTAINMENT ANYWHERE

Convert any venue into your personal movie theatre! This projector is compact and portable so you can bring Epson's technology wherever you go. Simply project onto any blank wall or a screen, and you can take your family and friends even closer to thrilling entertainment.



## EXTEND YOUR ENTERTAINMENT OPTIONS

Featuring a built-in DVD/DivX player and stereo speakers, you can enjoy images, movies and powerful sound without the need for external video devices and external speakers.

Epson EH-DM30HD delivers your favourite tunes or blockbuster movies with big-screen excitement from any source: CD/DVD, thumb drive, MP3 player, PC/Mac or Apple iPod. You can also use the microphone port for that ultimate karaoke showdown with family and friends. With HDMI connectivity, you can enjoy added versatility any time.



Built-in CD/DVD Player



USB



Game



Video Camera



Slide show



### Eco Features

- Equipped with an E-TORL lamp engineered to maximise light usage and power efficiency
- Uses just 0.4 W of power in standby mode
- Projector optics employ lead-free lenses
- Unpainted plastic housing reduces the environment impact
- The flame retardants used in the plastic housing do not contain chlorine or bromine

### Better Products for a Better Future™

For more information on Epson's environmental programmes, visit [www.epson.com/environment](http://www.epson.com/environment)

# Epson Revolutionises Projector Market with 3LCD Technology and Leads as World's No.1\* Projector Brand for 10 Consecutive Years!

\* Based on independent research by Futuresource Consulting

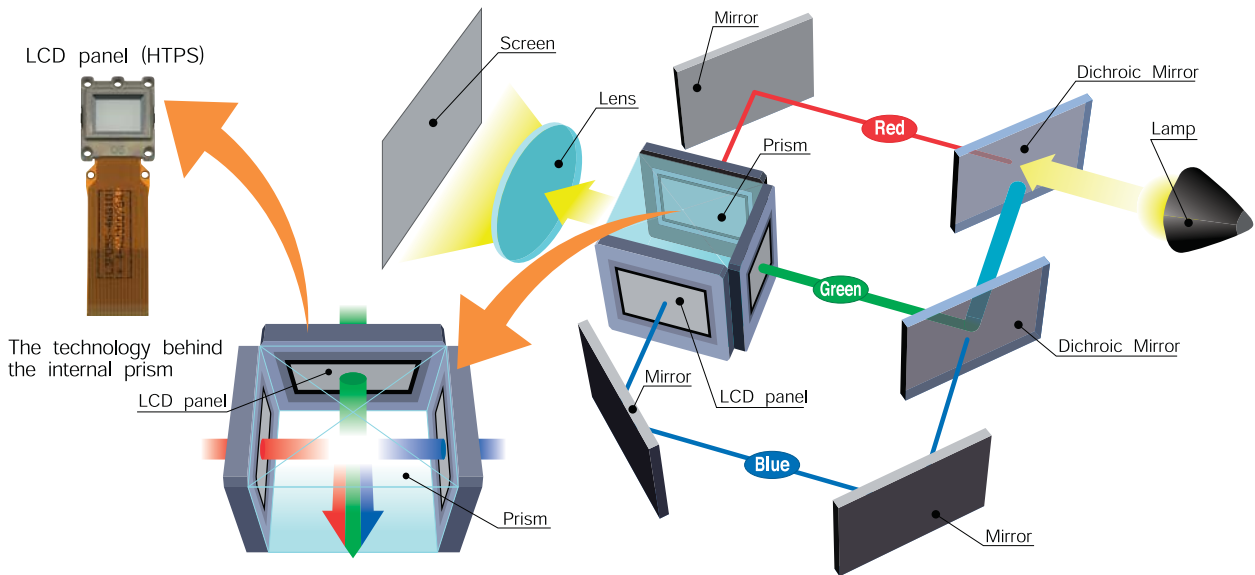
## Advantages of 3LCD Projection System

### Bright Images and Faithful Colour Reproduction

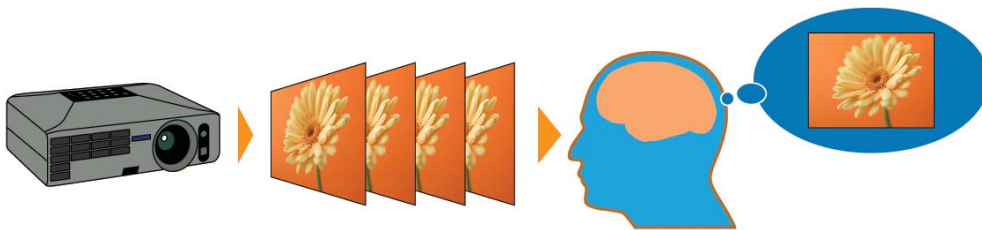
3LCD projectors offer all-time colour (Red, Green and Blue) projection thereby ensuring faithful full colour reproduction. This is suitable for projection of colour intensive images such as videos, photographs and colour charts.

### Incredible Details

3LCD projectors are able to produce an unparalleled range of grayscale images, which contributes to delivering incredible colour images that are smooth and seamless.



3LCD projector : RGB are projected at the same time, which makes the single composite image easy on the eyes.



\*\* HTPS (High Temperature Poly-Silicon) is an active matrix transmissive LCD. It is extremely small and produces high-quality images.

### Gentle on the Eyes

3LCD projectors' images do not suffer from colour break-up (commonly known as the rainbow effect). The projections are easy on the eyes as you will not be affected by any distorted pattern.

3LCD projectors use 3 separate LCD panels to form a continuous image containing all colours (red, blue and green) ensuring smooth video playback, even for rapid-motion images.

### Reliable Technology

With more than 70 million 3LCD chips shipped to date, the powerful and road-tested 3LCD projection technology is extremely reliable, and is trusted by many throughout to deliver sharp and true-to-life images.

# Colour Light Output

- an easy way to evaluate projector colour output

## What is Colour Light Output?

Colour Light Output (CLO) is a specification that provides critical information on a projector's ability to deliver colour. Developed by colour scientists using the same approach as White Light Output (Brightness) measurement, Colour Light Output provides the buyer with additional key information about colour.

## Does Brightness measure colour?

No. Current product specifications such as Brightness (or White Light Output), Contrast Ratio and Resolution give no information regarding a projector's ability to reproduce colour. The existing Brightness specification only measures the total amount of White Light projected. It does not measure colour – in fact, many manufacturers artificially boost brightness by adding white light, which dilutes the projector's colour brightness.

## Why is Colour Light Output important?

Colour Light Output is critically important because it measures the brightness of Red, Green and Blue. Red, Green and Blue create white when combined in the right proportions. They also comprise the input signal that tells your projector how to reproduce colour images. Beautifully balanced colour is possible when bright Red, Green and Blue combine to produce the brightness equal to White. Colour Light Output provides users with an additional way to evaluate a projector and make more discerning buying decisions.

## Is Colour Light Output the same in all projectors?

No. There are vast differences in the Colour Light Output of projectors on the market today. Look at the images below from two competing projectors

3LCD Projector



Image #1\*

Brand X



Image #1\*



Image #2\*



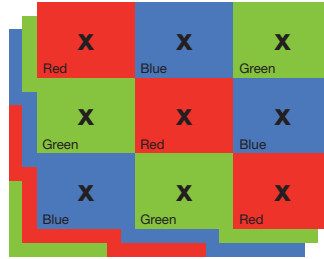
Image #2\*

Colour Light Output specification describes the difference in colour between these two projectors.

## How is Colour Light Output measured?

X	X	X
X	X	X
X	X	X

**Brightness (or White Light Output)** measures the total amount of white light projected in lumens on a nine point grid. It does not measure colour.



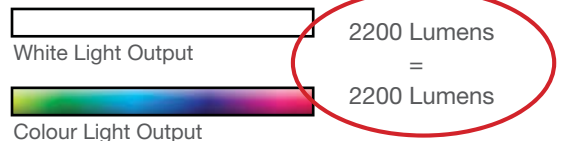
**Colour Light Output** uses 3 sets of a nine-point grid to measure the primary colours - red, green and blue, using the same approach used to measure White Light Output in lumens.

## How should Colour Light Output be used?

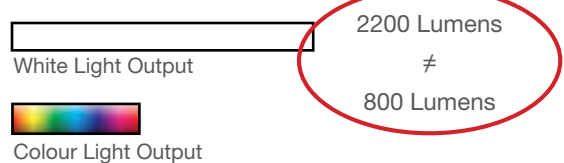
Colour Light Output should be used with White Light Output to provide insight into a projector's overall picture quality. Two things to remember:

1. Select High Colour Light Output.
2. Make sure the Colour Light Output equals the White Light Output.

3LCD Projector High CLO

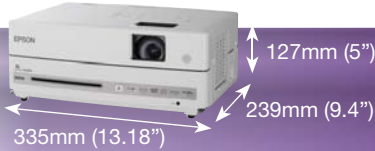


Brand X Low CLO



When selecting a projector, ask for the Colour Light Output measurement.

\* Actual photographs of images produced by 2 competing projectors run in default mode. Price, Resolution and Brightness (White Light Output) are the same for both projectors.



## EH-DM30HD

### SPECIFICATIONS

#### SUPPLIED ACCESSORIES

Power Cable	3.0m, 3-pin type
Remote Control	Yes
User's Manual Set	Attached
Soft Carrying Case	Yes

#### OPTIONAL ACCESSORIES

Spare Lamp	ELPLP55
Air Filter	ELPAF26

EH-DM30HD



<b>MODEL NUMBER</b>		EH-DM30HD
<b>PROJECTION SYSTEM</b>		RGB liquid crystal shutter projection system (3LCD)
<b>SPECIFICATION OF MAIN PARTS</b>		
LCD	SIZE	0.59" with MLA (D7)
	SUPPORTED RESOLUTION	1280 x 720 (720p)
PROJECTION LENS	TYPE	Optical Zoom (Manual) / Focus (Manual)
	F-NUMBER	1.58 - 1.72
	FOCAL LENGTH	16.9mm - 20.28mm
	ZOOM RATIO	1 - 1.2
	THROW RATIO	1.30 - 1.56 (Wide-Tele)
LAMP	TYPE	200W UHE (E-TORL)
	LIFE (NORMAL/ECO)	4,000 hours / 5,000 hours
<b>SCREEN SIZE (PROJECTED DISTANCE)</b>		33" - 318" [0.9m - 9.0m] (Zoom: Wide) 33" - 317" [1.10m - 10.8m] (Zoom: Tele)
<b>BRIGHTNESS</b>		
WHITE LIGHT OUTPUT (NORMAL/ECO)		2,500lm / 1,250lm
COLOUR LIGHT OUTPUT		2,500lm
<b>CONTRAST RATIO</b>		Auto Iris on : 3000:1
<b>INTERNAL SPEAKER(S)</b>		
SOUND OUTPUT		Stereo 10W x 2
<b>KEYSTONE CORRECTION</b>		
VERTICAL		±30°
HORIZONTAL		N/A
AUTO KEYSTONE CORRECTION		Yes
<b>CONNECTIVITY</b>		
ANALOG INPUT	D-SUB 15PIN	1 (Blue)
	COMPONENT	RCA
	COMPOSITE	RCA x 1 (Yellow)
	S-VIDEO	N/A
DIGITAL INPUT	HDMI	1
OUTPUT TERMINAL	D-SUB 15PIN	N/A
AUDIO INPUT	RCA (WHITE/RED)	2RCA x 1 (White/Red)
	MINI JACK	Stereo x 1
AUDIO OUTPUT	STEREO MINI JACK	1
OTHERS	USB TYPE A	1 (USB Photoviewer)
	USB TYPE B	1 (USB Display)
CONTROL I/O	RS-232C	N/A
NETWORK	WIRED LAN	N/A
	WIRELESS	N/A
<b>OPERATING TEMPERATURE</b>		
BELOW 1500M / 4921FT		5°C - 35°C <41°F - 95°F> (20% - 80% humidity, unfrozen)
<b>OPERATING ALTITUDE</b>		
		0m - 2,286m <0ft - 7,500ft> (over 1,500m / 4,921ft : with High altitude mode)
<b>DIRECT POWER ON/OFF</b>		
		N/A
<b>START-UP PERIOD</b>		
		15 seconds
<b>COOL-DOWN PERIOD</b>		
		Instant off
<b>AIR FILTER</b>		
TYPE		Standard
MAINTENANCE CYCLE		N/A
<b>POWER SUPPLY VOLTAGE</b>		
		100V - 240V AC +/- 10%, 50/60 Hz
<b>POWER CONSUMPTION (220-240V)</b>		
LAMP ON (NORMAL/ECO)		292W / 246W
STANDBY (NETWORK ON/OFF)		N/A / 0.4W
<b>DIMENSIONS EXCLUDING FEET (D X W X H)</b>		
		239mm x 335mm x 127mm (9.4" x 13.18" x 5")
<b>WEIGHT</b>		
		Approx. 4.3kg / 9.46lbs
<b>FAN NOISE (NORMAL/ECO)</b>		
		33 dB / 29 dB

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