

**SHORT-THROW PROJECTOR**  
EB-420/425W/430/435W

**EPSON**  
EXCEED YOUR VISION

## Outstanding projector performance that defies space



WORLD'S

**No. 1**  
**PROJECTORS**

10 Years Running  
2001-2010

Source: Futuresource Consulting

Breakthrough 3LCD technology delivers brilliant presentations with a wider range of resolution and brightness. With its short focus lens, this projector series is the ideal choice for great projection quality at amazingly short focal distances.

- **Deliver superb-quality presentations even at close range**  
With a short focus lens, and reduced screen glare and shadow interference, this projector series offers uncompromised projection quality in small rooms
- **Enhance your discussions with powerful audio**  
With the projector's powerful built-in 16W speaker and a microphone input terminal, your class can enjoy crisp audio even without an external sound system
- **Enrich your presentations with extensive connectivity**  
Incorporating additional technology to your presentation is made easy with the wide selection of devices compatible with this projector series

# Epson Revolutionizes 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

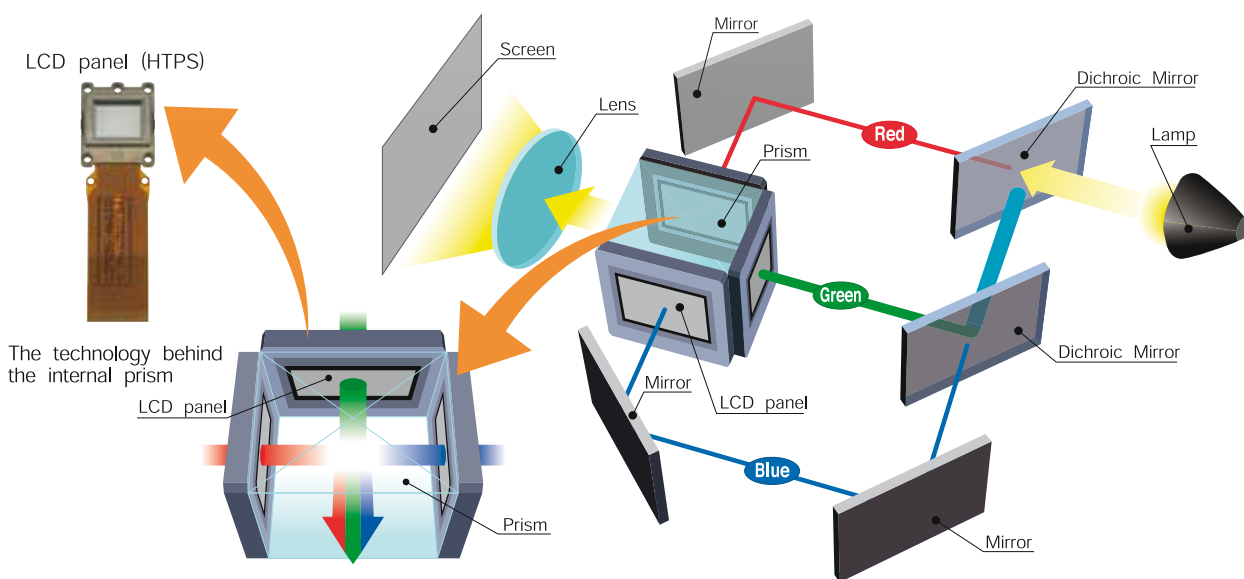
## Advantages of 3LCD Projection System

### Bright Images and Faithful Color Reproduction

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

### Incredible Details

3LCD projectors are able to produce an unparalleled range of grayscale images, which contributes to delivering incredible color 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 color 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 colors (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.

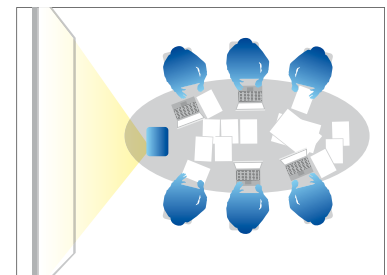


Breakthrough 3LCD technology delivers brilliant presentations with a wider range of resolution and brightness. With its short focus lens, this projector series is the ideal choice for great projection quality at amazingly short focal distances.

## DELIVER SUPERB-QUALITY PRESENTATIONS EVEN AT CLOSE RANGE

### Impressive Screen Size at Close Range

This projector series uses the newly developed ultra-large, high-precision lens, allowing you to project a 60-inch screen from proximity as short as 61 cm. Its short focal distance provides more flexible placement options and maximizes the use of space, effectively freeing up much of the surface for other uses – perfect for the classroom and small meeting venues.



### Significantly Reduced Shadow Interference

The projector's short focus lens allows you to move freely near the screen during presentations, with hardly any shadows cast on the screen. With less distraction and optimal visibility, your audience's view of your presentation is clear and unobstructed.



### Minimized Glare

Even when you stand directly in front of the screen, projection light barely reaches your face. With reduced glare, you enjoy comfortable and hassle-free discussion and achieve that vital eye contact with your audience.





## ENHANCE YOUR DISCUSSIONS WITH POWERFUL AUDIO

### Impressive Built-in 16W Speaker

The powerful built-in 16W speaker provides great audio quality that enhances your presentations. This projector series makes voices clearly audible even in large venues ideal for recording teaching materials.



### Wireless Audio Transmission

You can connect this projector series wirelessly to your LAN in addition to direct PC connection. Audio feed can be transmitted wirelessly to the projector.



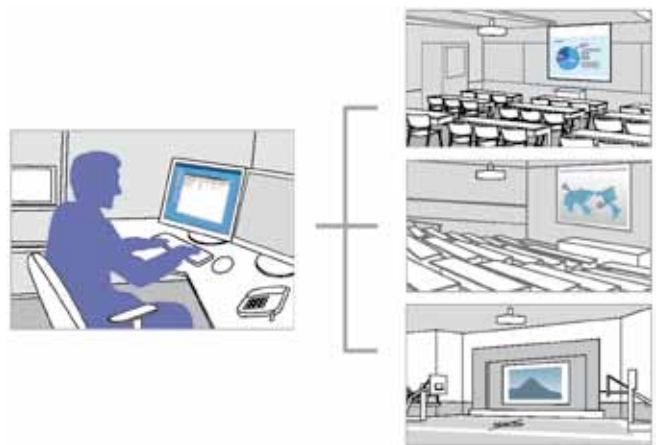
## ENRICH YOUR PRESENTATIONS WITH EXTENSIVE CONNECTIVITY

Compatible with devices including PCs, HDMI, LAN cables and microphones, this projector series is able to adapt to any setting. Now you can easily use a variety of discussion sources to enrich your presentations.



## MONITOR AND CONTROL ALL YOUR PROJECTORS FROM A SINGLE PC

With Easy MP Monitor, Epson's proprietary network monitoring software, you can easily monitor all your projectors and keep them running efficiently, even across the largest networks. Configure remotely and programme email alerts for pre-defined critical indicators such as non-functioning devices or overheating lamps.



## PARTNERS IN PERFECTION

### Ultraportable Document Camera ELPDC06



Easily Portable; 0.96 kg/2.11 lbs  
1.92 Megapixels with 15 fps  
4x Digital Zoom  
USB Powered

### Desktop Document Camera ELPDC11



2.2 kg/4.85 lbs  
5 Megapixels with 30 fps  
10x Digital Zoom  
Bundled with  
Microscope Adaptor

### ELPPT04 Attachment Plate



To attach ELPIU03  
interactive unit in  
position for ceiling  
mounting

## INCREASE YOUR PRESENTATION INTERACTIVITY

Using the optional ELPIU03 Interactive Unit\*, adding interactive functions is as simple as attaching the module to the top of this projector. This module also allows interactive control free from shadows and other interference.

\* ELPIU03 is an interactive module for Epson's short-throw projectors. If the ELPMB27 wall mount is not used, it is necessary to use the ELPPT04 attachment plate.



### Methods of Installation

There are two ways of installing this projector: wall and ceiling mounting. Both methods ensure fast and easy set-up, giving you more time to prepare for your presentation.

#### Wall Mount



Epson EB-420/425W/430/435W Projector



ELPIU03 Interactive Unit



ELPMB27 Wall Mount

#### Ceiling Mount



Epson EB-420/425W/430/435W Projector



ELPIU03 Interactive Unit



ELPPT04 Attachment Plate



Ceiling Mount

### Extended Interactive Learning Area

This projector series works on almost any surface, enabling you to maximize space. Now, you can turn the existing whiteboard and chalkboard or any wall in the room into an interactive learning area, eliminating the need for an interactive whiteboard.



#### Eco Features

- Equipped with an E-TORL lamp engineered to maximize light usage efficiency
- Uses just 0.37W / 0.39W 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

### Interactive Learning Made Fun

Add fun to your discussion, with Epson's interactive pen. Working like a computer mouse, this pen turns any surface into an interactive whiteboard. It allows you to control your computer by simply touching the screen directly, and to manipulate the projection from any distance. Such flexibility offers you freedom to interact with both the projection screen and your audience from practically anywhere in the room.

#### Better Products for a Better Future™

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

#### ELPIU03 Interactive Unit



Designed for Epson Short-throw Projectors  
USB Powered  
Simple and Easy Set-up  
Bundled with 2 ELPPN02 Interactive Pens

#### ELPMB27 Wall Mount



Attached with ELPPT04 Attachment Plate for ELPIU03  
Arm Length: 1,510 mm  
Weight: Approx. 10 kg  
Maximum Load Capacity: 5.5 kg  
Supported Projection Screen Size: 63" - 113"

# Color Light Output

- an easy way to evaluate projector color output

## What is Color Light Output?

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

## Does Brightness measure color?

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 color. The existing Brightness specification only measures the total amount of White Light projected. It does not measure color – in fact, many manufacturers artificially boost brightness by adding white light, which dilutes the projector's color brightness.

## Why is Color Light Output important?

Color 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 color images. Beautifully balanced color is possible when bright Red, Green and Blue combine to produce the brightness equal to White. Color Light Output provides users with an additional way to evaluate a projector and make more discerning buying decisions.

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

No. There are vast differences in the Color 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\*



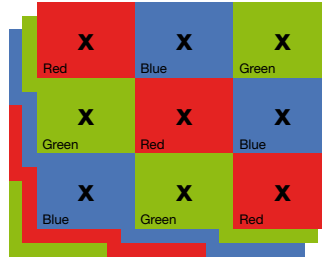
Image #2\*

Color Light Output specification describes the difference in color between these two projectors.

## How is Color 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 color.



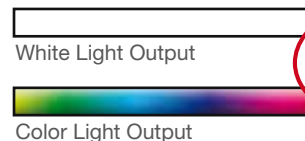
**Color Light Output** uses 3 sets of a nine-point grid to measure the primary colors - red, green and blue, using the same approach used to measure White Light Output in lumens.

## How should Color Light Output be used?

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

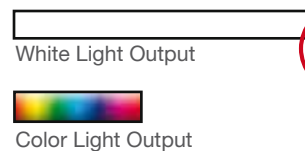
1. Select High Color Light Output.
2. Make sure the Color Light Output equals the White Light Output.

3LCD Projector High CLO



2200 Lumens  
=  
2200 Lumens

Brand X Low CLO



2200 Lumens  
≠  
800 Lumens

When selecting a projector, ask for the Color 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.



**EB-420/430**

**SPECIFICATIONS**

**SUPPLIED ACCESSORIES**

Power Code	4.5m
Computer Cable (VGA Cable)	1.8m D-sub 15pin (Male) - D-sub 15pin (Male)
Remote Control	With Alkaline AA Battery x 2
Cable Cover	Attached
Bundled Software	Projector Software (CD-ROM)
Password Protect Sticker	Attached
User's Manual Set	Attached

**OPTIONAL ACCESSORIES**

Spare Lamp	ELPLP60 (EB-420) ELPLP61 (EB-430)
Air Filter Set	ELPAF36
Wireless LAN Unit	ELPAP07
Quick Wireless Connection USB Key	ELPAP08
Interactive Unit (Wall Type)	ELPIU03
Presentation Remote Control	ELPST09B
Short Throw Wall Mount Attachment Plate	ELPMB27 ELPPT04

**PERIPHERALS**

Portable USB Document Camera	ELPDC06
Desktop Document Camera	ELPDC11
Epson Interactive Unit	ELPIU01

EB-420/430



\* Maximum speed and range is achievable when used with same enhanced mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

\*\* When used in the general office environment (the amount of floating dust: 0.04 - 0.2 mg/m3). Based on the Epson's in-house test results.

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<b>MODEL NUMBER</b>		EB-420	EB-430
<b>PROJECTION TECHNOLOGY</b>		RGB liquid crystal shutter projection system (3LCD)	
<b>SPECIFICATION OF MAIN PARTS</b>			
LCD	SIZE	0.55" without MLA (D8)	
	NATIVE RESOLUTION	XGA	
PROJECTION LENS	TYPE	No Optical Zoom / Focus (Manual)	
	F-NUMBER	1.80	
	FOCAL LENGTH	6.48mm	
	ZOOM RATIO	1.0 - 1.35 (Digital Zoom)	
	THROW RATIO	0.55 - 0.74 (Wide - Tele)	
LAMP	TYPE	200W UHE (E-TORL)	230W UHE (E-TORL)
	LIFE (NORMAL/ECO)	5,000 hours / 6,000 hours	4,000 hours / 6,000 hours
<b>SCREEN SIZE (PROJECTED DISTANCE)</b>		50" - 108" [0.54m - 1.22m] (Zoom: Wide) 37" - 80" [0.54m - 1.22m] (Zoom: Tele)	
<b>BRIGHTNESS</b>			
COLOR LIGHT OUTPUT (NORMAL/ECO)		2,500lm / 2,000lm	3,000lm / 2,100lm
WHITE LIGHT OUTPUT (NORMAL/ECO)		2,500lm / 2,000lm	3,000lm / 2,100lm
<b>CONTRAST RATIO</b>		3,000:1	
<b>INTERNAL SPEAKER</b>			
SOUND OUTPUT		16W Monaural	
<b>KEystone CORRECTION</b>			
VERTICAL/HORIZONTAL ANGLE		±15° / ±15°	
<b>CONNECTIVITY</b>			
ANALOG INPUT	D-SUB 15PIN	2 (Blue)	
	COMPONENT	D-sub 15pin x 2 (Blue)* Common with Analog RGB connector	
	COMPOSITE	RCA x 1 (Yellow)	
	S-VIDEO	1 Mini DIN	
DIGITAL INPUT	HDMI	1 (support HDCP)	
OUTPUT TERMINAL	D-SUB 15PIN	1 (Black)	
AUDIO INPUT	RCA (WHITE/RED)	1 pair	
	STEREO MINI-JACK	2	
AUDIO OUTPUT	STEREO MINI-JACK	1	
OTHERS	USB TYPE A	1 (USB Memory / Document Camera)	
	USB TYPE B	1 (USB Display 3-in-1)	
	MICROPHONE INPUT	1	
CONTROL I/O	RS-232C	D-sub 9pin x 1	
	USB	USB Type B x 1 (for USB Display, Mouse, K/B, Control)	
NETWORK	WIRED LAN	RJ45 x 1 (10/100 Mbps)	
	WIRELESS	Optional (ELPAP07)	
<b>WIRELESS SPECIFICATIONS</b>			
SUPPORTED SPEED FOR EACH MODE		IEEE 802.11b: 11 Mbps*, IEEE 802.11g: 54 Mbps*, IEEE 802.11n: 130 Mbps*	
WIRELESS LAN SECURITY		WEP, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES)	
<b>OPERATING TEMPERATURE</b>			
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>			
Yes			
<b>START-UP PERIOD</b>			
About 7 seconds			
<b>COOL-DOWN PERIOD</b>			
Instant Off			
<b>AIR FILTER</b>			
TYPE		Electrostatic Filter	
MAINTENANCE CYCLE		5,000 hours**	
<b>POWER SUPPLY VOLTAGE</b>			
100V - 240V AC +/- 10%, 50Hz / 60Hz			
<b>POWER CONSUMPTION (220V - 240V)</b>			
LAMP ON (NORMAL/ECO)		283W / 237W	316W / 232W
STANDBY (NETWORK ON/OFF)		6.8W / 0.39W	7.3W / 0.37W
<b>DIMENSIONS EXCLUDING FEET (D X W X H)</b>			
277mm x 345mm x 105mm (10.91" x 13.58" x 4.13")			
<b>WEIGHT</b>		Approx. 3.8kg / 8.5lbs	Approx. 3.9kg / 8.7lbs
<b>FAN NOISE (NORMAL/ECO)</b>		35dB / 28dB	37dB / 29dB

**EPSON PHILIPPINES CORPORATION**  
8th Floor Anson's Centre  
23 ADB Avenue, Ortigas Center  
Pasig City 1605, Philippines  
TEL: (+632) 706-2609  
FAX: (+632) 706-2665

EPSON Customer Care  
Toll Free: (PLDT) 1800-1069-37766  
(Digitel) 1800-3-0037766  
Metro Manila: (02) 441-9030  
(02) 706-2609 (press 2)  
Website: <http://customer-care.epson.com.ph>  
Email: [customer-care@epc.epson.com.ph](mailto:customer-care@epc.epson.com.ph)

Dealer's Stamp



**Customer Care**  
1800-1069-37766

[www.epson.com.ph](http://www.epson.com.ph)








105mm (4.13")  
345mm (13.58")  
277mm (10.91")

## EB-425W/435W

### SPECIFICATIONS

<b>SUPPLIED ACCESSORIES</b> Power Code 4.5m Computer Cable (VGA Cable) 1.8m D-sub 15pin (Male) - D-sub 15pin (Male) Remote Control With Alkaline AA Battery x 2 Cable Cover Attached Bundled Software Projector Software (CD-ROM) Password Protect Sticker Attached User's Manual Set Attached	<b>MODEL NUMBER</b>	EB-425W	EB-435W	
	<b>OPTIONAL ACCESSORIES</b> Spare Lamp ELPLP60(EB-425W) ELPLP61 (EB-435W) Air Filter Set ELPAF36 Wireless LAN Unit ELPAP07 Quick Wireless Connection USB Key ELPAP08 Interactive Unit (Wall Type) ELPIU03 Presentation Remote Control ELPST09B Short Throw Wall Mount Attachment Plate ELPMB27 ELPPT04	<b>PROJECTION TECHNOLOGY</b>	RGB liquid crystal shutter projection system (3LCD)	
<b>PERIPHERALS</b> Portable USB Document Camera ELPDC06 Desktop Document Camera ELPDC11 Epson Interactive Unit ELPIU01	<b>SPECIFICATION OF MAIN PARTS</b>			
	LCD	SIZE	0.59" without MLA (D8)	
<b>EB-425W/435W</b> 	PROJECTION LENS	NATIVE RESOLUTION	WXGA	
		TYPE	No Optical Zoom / Focus (Manual)	
		F-NUMBER	1.80	
		FOCAL LENGTH	6.48mm	
		ZOOM RATIO	1.0 - 1.35 (Digital Zoom)	
LAMP	THROW RATIO	0.48 - 0.65 (Wide - Tele)		
	TYPE	200W UHE (E-TORL)	230W UHE (E-TORL)	
	LIFE (NORMAL/ECO)	5,000 hours / 6,000 hours	4,000 hours / 6,000 hours	
	<b>SCREEN SIZE (PROJECTED DISTANCE)</b>	53" - 116" [0.54m - 1.22m] (Zoom: Wide) 40" - 86" [0.54m - 1.22m] (Zoom: Tele)		
	<b>BRIGHTNESS</b>			
	COLOR LIGHT OUTPUT (NORMAL/ECO)	2,500lm / 2,000lm	3,000lm / 2,100lm	
	WHITE LIGHT OUTPUT (NORMAL/ECO)	2,500lm / 2,000lm	3,000lm / 2,100lm	
	<b>CONTRAST RATIO</b>	3,000:1		
	<b>INTERNAL SPEAKER</b>			
	SOUND OUTPUT	16W Monaural		
	<b>KEystone CORRECTION</b>			
	VERTICAL/HORIZONTAL ANGLE	±15° / ±15°		
	<b>CONNECTIVITY</b>			
	ANALOG INPUT	D-SUB 15PIN	2 (Blue)	
		COMPONENT	D-sub 15pin x 2 (Blue)* Common with Analog RGB connector	
		COMPOSITE	RCA x 1 (Yellow)	
		S-VIDEO	1 Mini DIN	
DIGITAL INPUT	HDMI	1 (support HDCP)		
OUTPUT TERMINAL	D-SUB 15PIN	1 (Black)		
AUDIO INPUT	RCA (WHITE/RED)	1 pair		
	STEREO MINI-JACK	2		
AUDIO OUTPUT	STEREO MINI-JACK	1		
OTHERS	USB TYPE A	1 (USB Memory / Document Camera)		
	USB TYPE B	1 (USB Display 3-in-1)		
	MICROPHONE INPUT	1		
CONTROL I/O	RS-232C	D-sub 9pin x 1		
	USB	USB Type B x 1 (for USB Display, Mouse, K/B, Control)		
NETWORK	WIRED LAN	RJ45 x 1 (10/100 Mbps)		
	WIRELESS	Optional (ELPAP07)		
	<b>WIRELESS SPECIFICATIONS</b>			
	SUPPORTED SPEED FOR EACH MODE	IEEE 802.11b: 11 Mbps*, IEEE 802.11g: 54 Mbps*, IEEE 802.11n: 130 Mbps*		
	WIRELESS LAN SECURITY	WEP, WPA-PSK (TKIP/AES), WPA2-PSK (TKIP/AES)		
	<b>OPERATING TEMPERATURE</b>	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>	Yes		
	<b>START-UP PERIOD</b>	About 7 seconds		
	<b>COOL-DOWN PERIOD</b>	Instant Off		
	<b>AIR FILTER</b>			
	TYPE	Electrostatic Filter		
	MAINTENANCE CYCLE	5,000 hours**		
	<b>POWER SUPPLY VOLTAGE</b>	100V - 240V AC +/- 10%, 50Hz / 60Hz		
	<b>POWER CONSUMPTION (220V - 240V)</b>	LAMP ON (NORMAL/ECO)	283W / 237W	316W / 232W
		STANDBY (NETWORK ON/OFF)	6.8W / 0.39W	7.3W / 0.37W
	<b>DIMENSIONS EXCLUDING FEET (D X W X H)</b>	277mm x 345mm x 105mm (10.91" x 13.58" x 4.13")		
	<b>WEIGHT</b>	Approx. 3.8kg / 8.5lbs	Approx. 3.9kg / 8.7lbs	
	<b>FAN NOISE (NORMAL/ECO)</b>	35dB / 28dB	37dB / 29dB	

\* Maximum speed and range is achievable when used with same enhanced mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

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