

cClear

high performance multimedia projectors



Performance unlimited

■ Including wireless option

PHILIPS

The new Philips cClear high performance projectors

Delivering when it counts

Philips cClear high-performance multimedia projectors (cClear Air Brilliance, cClear Brilliance XGI and cClear SVI) ensure you create a lasting impression when the pressure is on. Just imagine - an incredibly bright, sharp beam from a low-noise projector that interfaces automatically with many different types of source. And with the option of even displaying from two sources simultaneously, the cClear series brings a new level of sophistication to your presentations.

Unbeatable picture quality

The cClear incorporates advances in optical and image processing technology to produce extraordinarily high brightness levels for a crisp, clear picture - even in rooms with high ambient light levels. SmartSet™ automatically optimizes the picture quality, while Color Tracking™ ensures natural colors and maximum brightness. The Philips cClear range delivers the kind of captivating image that makes a real difference.

‘Smart’ performance

This high visual impact is complemented by quiet operation. The special Philips Air System eliminates distraction caused by projector noise. And in situations with relatively little ambient light, simply activate the SmartDimmer to reduce the lamp brightness and cut fan noise still further. SmartSave™ automatically shuts down the lamp when not in use for more economical performance.

Complete projection freedom

The cClear Air Brilliance wireless projector automatically interfaces with laptops & PCs - without cables! The cClear Air Brilliance simply offers the best wireless performance available, including the fastest transmission. The cClear Brilliance XGI and cClear SVI versions offer the same level of connection possibilities through standard cabling. They are also extremely easy to use, with

an intuitive user interface and efficient on-screen menus for settings adjustment.

Its RS232 interface is enabling external control of the projector functions for increased convenience having one interface for various systems.

“Project two separate images simultaneously”

Double data projection

The cClear's advanced display and connectivity capabilities are further demonstrated by the double window feature, which allows two separate sources to project simultaneously. Give your presentation twice the impact by, for instance, combining a video conference with a presentation, or showing two different sets of data side-by-side for comparison.

Attractive to everyone - except thieves

Attractive as your cClear may be to you and your customers, SecurityMax™ makes it extremely unattractive to potential thieves. A non-erasable start-up screen shows clearly who the rightful owner is. You can also make your projector shut down after a certain period - only your PIN code can reactivate it. A warning sticker deters anyone with the wrong idea from even trying, and a special slot for a Kensington lock helps reduce the chance of theft still further.

Five-year relative performance:

base 100 = Jan 3, 1998





cClear

technical specifications

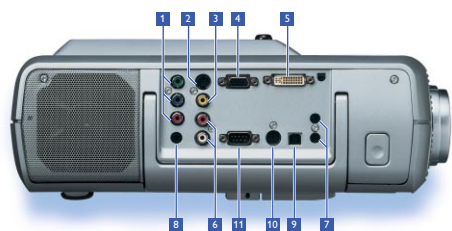


Image diagonal size (16:9)		Projection distance			
		Tele zoom		Wide zoom	
[inch]	[metres]	[inch]	[metres]	[inch]	[metres]
40	1,0	62	1,6	52	1,3
60	1,5	94	2,4	78	2,0
70	1,8	109	2,8	91	2,3
80	2,0	125	3,2	104	2,6
100	2,5	156	4,0	130	3,3
150	3,8	234	5,9	195	5,0
200	5,1	312	7,9	260	6,6
250	6,4	390	9,9	325	8,3

	LC4746 cClear Air Brilliance	LC4731 cClear SV1	LC4745 cClear XG1 Brilliance
LCD	3x 0.79" high-temperature poly-silicon active matrix LCD's		
Resolution	XGA	SVGA	XGA
Brightness	2600 ANSI lumens		
dimmed	2000 ANSI lumens		
Lamp	200 W Philips UHP		
Average life time	2000 hours		
Contrast	400:1		
Fan noise	33 dB (30 dB in whisper mode)		
Loudspeaker	powerful 6 W speaker		

Lens	F/1.75 - 2.1 ; f = 26.7 - 31.8 mm 1.2x Manual Zoom; Manual Focus Projection distance 1,0 - 10 m (image diagonal 30.3" - 303")
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Input signals	NTSC 3.58, 4.43 ; PAL B,G,D,H,I,N,M ; SECAM S-video/S-VHS (Y/C)
Video	Component video input RGB-Y, YCbCr, YPbPr (480i, 480p, 576p, 720p, 1080i)
Computer	PC and MAC compatible, Multi scan VGA-SXGA Horizontal scan rate: 15 - 108 kHz Vertical refresh rate: 50 - 120 Hz Bandwidth: 140 MHz Display Data Channel DDC 1/2B Microsoft® Windows® 95/98/ME/2000/XP compatible
Plug and play	Compatibility
Output signals	Audio out
Audio	
Input connectors	
Video	1 3x RCA for Component in R/Pr/Cr, G/Y, B/Pb/Cb 2 1x 4 pin mini DIN Y/C for S-Video 3 1x RCA for CVBS Video 4 1x 15p D-sub for Data in 5 1x DVI-I (digital + analogue)
Computer	
Audio	
Video	6 2x RCA for Audio L/R
Data	7 2x Audio in - 1/2 (3.5 mm jack) + USB-audio (see I/O)
Output connectors	
Audio	8 1x Audio out - (3.5 mm jack)
I/O connectors	9 1x USB (type B) for Mouse, Audio, SecurityMax, ProjectorMax 10 1xPS/2 (mini Din) 11 1x RS232c for external control of projector

Features	YourLogo Double window for multi(source) input SecurityMax ProjectorMax Philips Air system for silent operation SmartSet™ automatic image quality optimisation SmartSave™ auto-standby mode to increase effective lamp usage Colour Tracking™ Keystone correction H: +/- 20 degrees, V: +/- 40 degrees, Digital Zoom and -Freeze Digital Zoom (16X) and -Freeze Kensington lock		
Dimensions	235 x 335 x 121 mm (9.2" x 13.2" x 4.7")	235 x 335 x 108 mm (9.2" x 13.2" x 4.2")	235 x 335 x 108 mm (9.2" x 13.2" x 4.2") (WxDxH)
Net weight	4.1 kg; 9.0 lbs		3.8 kg; 8.3 lbs

Power consumption	100 - 240V, 50/60 Hz		
Operating voltage			
Operation	255 W		250 W
Standby	2 W		
Temperature range			
Operational	+5 to +35 °C (+41 to +95 °F)		
Storage	-25 to +70 °C (-13 to +158 °F)		

Package	wireless module build in *	
	Compact laser remote control	
	Power cord	
	Combined VGA-USB cable (1.5 m)	
	DVI cable (1.5 m)	
	Audio/Video cable (2 m)	
	S-video cable (2 m)	
	Monitor Y-cable	
	Scart adapter (scart to RCA audio/video)*	
	DVI-VGA adapter	
	Lenscap	
	Softbag	
	CD-ROM User Guide (UK, D, F, E, PT, NL, I, C).	
	Quick Setup Card (UK, D, F, E, PT, NL, I, C)	
	Warranty card + envelopes	
Optional accessories	200 W replacement lamp (LCA3123/00)	
	Ceiling mount (LCA2211/00)	
	VGA extension cable, 15 meters (LCA5300/00)	

Executions	LC4746/17 USA version LC4746/40 RoW version LC4746/45 UK version LC4746/48 China version	LC4731/17 USA version LC4731/40 RoW version LC4731/45 UK version LC4731/48 China version	LC4745/17 USA version LC4745/40 RoW version LC4745/45 UK version LC4745/48 China version
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* : Compliant with Microsoft Win98, 2000, Me, XP, NT (IEEE802.11b compliant wireless LAN card)

The Philips Guarantee

The Philips range of advanced multimedia projectors combines portability, reliability and unsurpassed performance with a host of technological innovations. All of which ensures that you enjoy impressive and hassle-free projection wherever you are. What else would you expect from the innovative world leader in sound and vision technology?

3-years warranty and free support

Every cClear projector comes with a full three-year warranty. In the first year this unique offer is backed up by the outstanding Philips First Choice** services, including a toll-free helpline, that offers you assistance and advice seven days a week and in case you need servicing, you'll receive a temporary replacement with free delivery, within 48 hours. It's simply an unbeatable package.

Extreme compatibility

Philips projectors are extremely compatible with a whole range of data and video sources. This compatibility is high compared to competitive projectors. All thanks to their highly advanced scaling technology. It's a serious advantage when you need to make an extra special impression with a mind-blowing multimedia experience.

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