

# fast facts

THE MULTIMEDIA PROJECTOR NEWSLETTER

Produced by Philips PC Peripherals Marketing Department

## PRODUCT NEWS

### The New Hopper 20 Impact Series — 25% Brighter!

With 1250 Alm and an attractive price point, the Hopper Impact Series is the most affordable ultra bright projector series in the market. Our new Hopper XG20 Impact is 25% brighter than most competitive XGA projectors but 15% lower priced, offering one of the most affordable solutions to today's presentation challenges.

The new Impact is available in two versions:

#### • Hopper SV20 Impact

- SVGA
- Model LC4235
- available the week of May 15

#### • Hopper XG20 Impact

- XGA
- Model LC4245
- available the end of May

Click here for more details on the new Impact Series:

[Competitive Product Comparison](#) and [Preliminary Data Sheet](#).



New Impact Products!

### Hopper SV20 Phasing Out

The successful Hopper SV20 (LC4033G) is phasing out and will be succeeded by an even brighter Hopper SV20 Impact (LC4235). Orders on the LC4033G can be placed up through **May 15**. After May 15, only the successor model SV20 Impact can be ordered. Please begin promoting the Hopper SV20 Impact and start making a big IMPACT.

### Hopper XG20 Improved

The Hopper XG20 (LC4043G) now features a Monitor Out capability through an optional Y-cable (LCA5310), and PC Control Functionality integrated. These upgrades are running changes and available from Philips on orders placed from this date forward.

Click for New Features for Hopper

### Hopper XG10 phasing out

The Hopper XG10 is phasing out in May with limited quantities available. The XG10 will be succeeded by the Hopper XG20. Please promote the Hopper XG20 for future orders.

For a full overview of the current Philips Multimedia Projector line click here.

### Philips "PROJECTION ASSISTANT" Helps Answer Questions

What is the "Projection Assistant"? The "Projection Assistant" is a simple program that is available with all Philips CDS products that can be used to answer questions about the projection properties of the products. It can calculate screen dimensions given a certain projection distance for a specific projector, and vice versa. The projection assistant is included in the User Manual (CD-ROM) packed with all Philips projectors but can also be beneficial prior to the purchase to determine if the installation is feasible. Log on to the Philips training website to utilize Projection Assistant at [www.philipstraining.com/lcd/CDS\\_Projection\\_Assistant/index.html](http://www.philipstraining.com/lcd/CDS_Projection_Assistant/index.html).

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## New Features for Hopper

The new Hopper 20 Impact Series (LC4245 and LC4235) and the newer models of the Hopper XG20 (LC4043G now shipping) will now provide Monitor Loop-Through capability and PC-Control Interface features to better meet customer needs.

### Monitor Loop-Through

- Connect Y-cable (LCA5310) to the Philips projector for Monitor Out capability
- Connect the VGA cable between the PC and the Y-cable
- Connect the Y-cable to the VGA cable of the monitor
- Switch on your PC and projector



### PC-Control Interface

- User controls similar to IR Remote Control
- "Invisible" control during presentations
- System control in multi-projector environment
- Interface to AMX® / Crestron® control systems

## SHOWS & EVENTS

### Philips will be "Connecting the World" at InfoComm 2000

Experience Philips' latest multimedia projection technologies and innovations first-hand, including the new Hopper Impact Series, at the upcoming Infocomm International Show.

**When:** June 15-17

**Where:** Anaheim, California

**Philips Booth:** Booth # 3081

Stay tuned for our invitation to a Dealer Meeting on June 14 in Anaheim prior to the opening of InfoComm, or contact your regional sales manager to schedule a meeting with Philips management.

## TELL US WHAT YOU THINK!

Our goal with *Fast Facts* is to deliver timely communications and updates on products, promotions and opportunities with CDS multimedia projectors and products. We value your feedback and hope you will take a few minutes to complete the attached Readership Survey form and tell us how

Click here for Survey Form

Win a GEAR Sports Bag!

you feel about *Fast Facts*. Only with your input can we provide the information you need to be more effective in your business. And besides, 10 winners will be selected from all returned surveys and each will receive a GEAR sports bag!

Please fax your completed survey form to 770/821-3110 by June 1.

## HOT LINKS/ACCESS NUMBERS!

Philips Electronics USA: [www.philipsusa.com](http://www.philipsusa.com)

Philips Training: [www.philipstraining.com](http://www.philipstraining.com)

Philips Arena: [www.philipsarena.com](http://www.philipsarena.com)

Philips Corporate Account Program:

[www.corporatepartner.philips.com](http://www.corporatepartner.philips.com)

Technical support: (888) 873-4672

Fax back system: (423) 521-4241

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# TELL US WHAT YOU THINK!

## Fast Facts Readership Survey (May 2000)

Our goal with *Fast Facts* is to deliver timely communications and updates on products, promotions and opportunities with CDS multimedia projectors and products. We value your feedback and hope you will take a few minutes to complete this Readership Survey form and tell us how you feel about *Fast Facts*. Please tell us what you would like to see more of, less of, or differently in this newsletter.

**Send your completed survey in before June 1 and be eligible to win a GEAR sports bag!**



Please fax your completed survey form to MARION DE GROOT at 770/821-3110 by June 1.

### Would you like to see more, less, or about the same of the following information in future issues of *Fast Facts*?

	MORE	LESS	ABOUT THE SAME
Product News	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Accessories	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product Availability Charts	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hot Links/Access Numbers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shows & Events	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Product Comparisons	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Advertising/Merchandising/Promotions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Awards & Honors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Remarks: \_\_\_\_\_

### What is the least useful section of *Fast Facts*?

- Product News
- Accessories
- Product Availability Charts
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- Awards & Honors

Other: \_\_\_\_\_

### What else would you like to see in future issues of *Fast Facts*?

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### What is the most useful section of *Fast Facts*?

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Remarks: \_\_\_\_\_

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## PRELIMINARY DATASHEET HOPPER 20 SERIES

	XG20 Impact LC4245	XG20 LC4043G	SV20 Impact LC4235
<b>Technical specifications</b>			
LCD	3x 0.9" high-temperature poly-silicon active matrix LCDs		
Micro-lens array	Yes	No	Yes
Resolution	XGA resolution (1024x768)		SVGA resolution (800x600)
Number of pixels	2,359,296		1,440,000
Brightness	1250 ANSI Lumens	1000 ANSI Lumens	1250 ANSI Lumens
Contrast	200:1	200:1	300:1
Lamp	UHP-compact 150W (2000 hours), end user replaceable	UHP-compact 120W (4000 hours), end user replaceable	UHP-compact 150W (2000 hours), end user replaceable
Lens	F/1.8-2.2 ; f = 38 - 50 mm 1.3x Manual Zoom; Manual Focus Projection distance 1,1 - 11 m (image diagonal 20" - 280")		
<b>Input signals</b>			
Video	NTSC 3.85, 4.43 / PAL N, M / SECAM		
Data	PC and Mac compatible, Multi scan VGA-SXGA; Auto Identification Horizontal Scan rate: up to 90 kHz; Vertical Refresh rate: up to 110 Hz; Bandwidth 100 MHz.		
<b>Input connectors</b>			
Video	1x S-Video (Y/C DIN), 1x CVBS Audio/Video (3x RCA)		
Data	1x D-sub (15 pin), 1x PC Stereo Audio (3.5 mm. stereo jack)		
Power in	100 - 240V, 50/60 Hz; 240 W		
<b>Output connectors</b>			
Audio	1x Stereo Audio (3.5 mm. stereo jack)		
<b>Specialties</b>	Long life and constant light output over entire lamp life projection lamp Full PC control via ergonomic trackball RC unit 33dB Philips Air System for silent operation External monitor loop-through functionality (via optional VGA Y-cable)		
<b>Dimensions</b>	254 x 315 x 109 mm (10.0" x 12.4" x 4.3") (WxDxH)		
<b>Net weight</b>	4.9 kg; 11 lbs		
<b>Operating temperature</b>	+5 .. +35° C (41 .. 95° F)		
<b>Package</b>	Trackerball remote control Power cord VGA cable (D-sub, 15-pin) Audio/Video cable (3x RCA) Soft carrying bag; Lenscap CD-ROM User Guide (7 languages)		
<b>Optional accessories</b>	UHP 150W replacement lamp (LCA3109) Trackerball remote control (LCA4113) Leather travel case (LCA1145) VGA Y-cable for Monitor Out (LCA5310) Ceiling mount (LCA2205)		

Specifications are subject to change without notice

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## PHILIPS MULTIMEDIA PROJECTOR REFERENCE GUIDE Spring/Summer 2000



MODEL	XG10	HOPPER SERIES			PROSCREEN SERIES PXG10
		XG20	SV20 IMPACT	XG20 IMPACT	
PHILIPS PRODUCT NUMBER	LC4041	LC4043	LC4235	LC4245	LC1041
RESOLUTION	XGA-1024 x 768	XGA-1024 x 768	SVGA-800 x 600	XGA-1024 x 768	XGA-1024 x 768
RESOLUTION SUPPORTED w/LIMESCO	VGA up to SXGA	VGA up to SXGA	VGA up to SXGA	VGA up to SXGA	VGA up to UXGA
BRIGHTNESS ANSI LUMENS	700	1000	1250	1250	2200
CONTRAST RATIO	200:1	200:1	300:1	200:1	200:1
DISPLAY SIZE (DIAGONAL)	20" - 261"	21" - 277"	20" - 280"	20" - 280"	20" - 280"
PROJECTION THROW DISTANCE	43" - 433"	43" - 433"	43" - 433"	43" - 433"	43" - 433"
ASPECT RATIO	4:3	4:3	4:3	4:3	4:3 & 16:9
NOISE LEVEL (dB)	32	32	33	33	35
LAMP LIFE	4,000 hours	4,000 hours	2,000 hours	2,000 hours	2,000 hours
LAMP TYPE	UHP / 120W	UHP / 120W	UHP / 150W	UHP / 150W	UHP / 150W
ZOOM AND FOCUS CONTROL	Manual	Manual	Manual	Manual	Motorized
KEystone CORRECTION	Fixed	Fixed	Fixed	Fixed	Yes
CEILING-MOUNTABLE	Yes	Yes	Yes	Yes	Yes
AUDIO	1 x 6 watts	1 x 6 watts	1 x 6 watts	1 x 6 watts	1 x 6 watts
KENSINGTON LOCK SOCKET	Yes	Yes	Yes	Yes	Yes
WIRELESS REMOTE CONTROL	Yes	Yes	Yes	Yes	Yes
SOFT CARRY BAG	Yes	Yes	Yes	Yes	
RGB INPUTS	Yes	Yes	Yes	Yes	Yes
VIDEO INPUTS	Yes	Yes	Yes	Yes	Yes
IR REMOTE CONTROL	Yes	Yes	Yes	Yes	Yes
VIDEO COMPATIBILITY	S-video, NTSC, PAL,SECAM	S-video, NTSC, PAL,SECAM	S-video, NTSC, PAL,SECAM	S-video, NTSC, PAL,SECAM	S-video, NTSC, PAL,SECAM
RGB (DATA) LOOP THROUGH			Yes	Yes	Yes
DIMENSIONS [inches] (DxWxH)	10x12.4 x 4.3	10x 12.4 x 4.3	10x 12.4x 4.3	10x12.4x4.3	14.0x10.3x5.1
WEIGHT [lbs.]	12	11	11	11	16
OTHER FEATURES	Philips Air System, Line doubling technique	Philips Air System, Line doubling technique	Philips Air System, Line doubling technique	Philips Air System, Line doubling technique	HDTV Compatible, Exchangeable tele & wide lenses
1-YEAR 24-HOUR REPLACEMENT /LOANER	Yes	Yes	Yes	Yes	Yes

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## PRODUCT AVAILABILITY - PROJECTORS (as of May 2000)

Model	Name	Description	Status	Notes
LC4235	Hopper SV20 Impact	Ultra-Portable, SVGA, 1250 Alm, 2000hr, very quiet	Available in mid May	New!! 1250 Alm!
LC4245	Hopper XG20 Impact	Ultra-Portable, XGA, 1250 Alm 2000hr, very quiet	Available in mid May	New!! 1250 Alm!
LC4033G	Hopper SV20	Ultra-Portable, SVGA, 1000 Alm, 4000hr, very quiet	Phasing out, orders taken up to May 15	Backorders fulfilled in June
LC4041G	HopperXG10	Ultra-Portable, XGA, 700 Alm, 4000hr, very quiet	Available	Phasing out in May
LC4043G	HopperXG20	Ultra-Portable, XGA, 1000 Alm, 4000hr, very quiet	Available	
LC1041G	ProScreen PXG10	Boardroom/Home Entertainment, 2.4 million pixels, 2200 Alm, 2000hr	Available in mid April	New!! 2200 Alm, High Definition HDTV compatible
LC4700F	Fellini 100	Home Entertainment, 2.4 million pixel, 600 Alm, 4000hr	Phasing Out Few units left	Video only

Ask your Philips Regional Sales Manager for the availability of our refurbished units.

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## PRODUCT AVAILABILITY - ACCESSORIES

(as of May 2000)

Model	Name	Description	Status	Notes
LCA11450	Leather Case	for Hopper Series	Available	
HCASE431	Hard Case	for Hopper SV10/XG10	Backorder	Available June
HCASE450	Hard Case	for LC4500G, LC4600(G&B), LC4650G, LC4750G/B	Sold out	
LCA31060	Bulb	for LC4650G & LC4750G/B	Available	
LCA31070	Bulb	for LC4031G/LC4041G	Available	
LCA31080	Bulb	for LC4033G/LC4043G	Available	
LCA3110	Bulb	for LC1041	Available Aug.	
LCA3109	Bulb	for LCA4235, LC4245	Avail. end May	
LCA22050	Ceiling Mount	for Hopper	Backorder	Available June. Alternative supplier: Chief at 800-582-6480
LCA22060	Ceiling Mount	for LC4700F & LC4750G/B	Small quantity available, will phase out in May	
LCA2207	Ceiling Mount	for high ceiling for LC1041	Available Aug.	
LCA2208	Ceiling Mount	for low ceiling for LC1041	Available Aug.	
LCA2209	Ceiling Mount Adapter	for LCA2207 and LCA2208	Available Aug.	
LCA3001	Tele zoom lens	for LC1041	Available Aug.	
LCA3302	Wide zoom lens	for LC1041	Available Aug.	
SCREEN60	Screen	Portable	Sold out	
LCA14800	Screen	WriteScreen (80")	Available	
LCA14810	Screen	OptiScreen (80")	Available	
LCA14830	Screen	Brilliance (80")	Available	
LCA74010	Screen Stand	for LCA14800, LCA14810, LCA14830	Available	
LCA5310	VGA Y-Cable	for Hopper series (LC4235, LCA4245)	Available June	Also available for later versions of LC4043G

Please note the transition of the below mentioned accessories that from Dec. 1, 1999 onwards will be sold through our service parts department

SCASE500	Soft Case	LC5000W	Sold through Service parts department
HCASE400	Hard Case	LC4000G & LC4100G	Sold through Service parts department
HCASE500	Hard Case	LC5000W	Sold through Service parts department
RBULB120	Bulb	for LC1200x	Sold through Service parts department
RBULB260	Bulb	for LC2600x	Sold through Service parts department
LCA3102	Bulb	for LC2700G	Sold through Service parts department
LCDBULB	Bulb	for LC3000G/2100G	Sold through Service parts department
RBULB350	Bulb	LC3500G	Sold through Service parts department
LCA31030	Bulb	for LC4000G & LC4100G	Sold through Service parts department
LCA31040	Bulb	for LC4500G, LC4600G, LC5000W	Sold through Service parts department
LCA31050	Bulb	for LC4600B	Sold through Service parts department

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## COMPETITIVE PRODUCT COMPARISON

Brand Model		Philips XG20 Impact	Sony VPL-PX1	Epson ELP-710	Sanyo PLC-XU22	Mitsubishi X70
Item	Unit					
List price	US\$	6,499	7,999	7,999	7,495	7,495
Introduction		May-00	Oct-99	Dec-99	Apr-00	Jan-00
Brightness**	lm	1250	1000	1000	1200	1100
Technology		0.9" tLCD	0.9" tLCD	0.9" tLCD	0.9" tLCD	0.9" tLCD
# of panels		3	3	3	3	3
Resolution		XGA	XGA	XGA	XGA	XGA
Dimension						
Width	mm	254	109	267	239	241
Depth	mm	315	338	213	323	292
Height	mm	109	224	89	102	79
Volume	cc	8,738	8,247	5,059	7,825	5,550
Weight	lbs	11	9	6	9	7
Lamp Type		UHP, 150W	UHP, 120W	UHE, 120W	UHP, 150W	NSH, 150W
Lifetime	hrs	2000		2000		2000
Power consumption	W	240	190	180	240	230
Noise level	dB	33		39		

\*\* brightness as specified by the manufacturer

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## COMPETITIVE PRODUCT COMPARISON

Brand Model		Philips XG20 Impact	Toshiba TLP-670	NEC VT640	Infocus LP755
Item	Unit				
List price	US\$	6,499	6,995	6,495	7,999
Introduction		May-00	Apr-00	Apr-00	Dec-89
Brightness**	lm	1250	1300	1000	1000
Technology		0.9" tLCD	0.9" tLCD	0.9" tLCD	0.9" tLCD
# of panels		3	3	3	3
Resolution		XGA	XGA	XGA	XGA
Dimension					
Width	mm	254	318	244	295
Depth	mm	315	234	284	366
Height	mm	109	86	104	130
Volume	cc	8,738	8,407	7,224	13,960
Weight	lbs	11	8	9	10
Lamp Type		UHP, 150W	UHP, 150W	NSH, 160W	UHP, 120W
Lifetime	hrs	2000		2000	2000
Power consumption	W	240	220	240	255
Noise level	dB	33		36	39

\*\* brightness as specified by the manufacturer

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