Philips Brilliance
LCD monitor with
LightFrame™

56 cm (22") w X-line

## *Brilliance*

220X1SW

# For your eyes only!

## Reduce eye fatigue with Innovative Lightframe LCD

Delivering unique vision-friendly, fatigue-reducing viewing for the whole family plus elegant, eye-catching style, Lightframe LCDs are a feast for the eyes, designed for people who spend long hours working in front of a computer screen.

### Amazing viewing experience free from eye-fatigue
- Reduce your eye fatigue with innovative lighting technology
- SmartImage: Optimized user-friendly display experience
- TrueVision: Laboratory quality display performance
- Glossy piano white finish design to enhance your home decor

### A pure treat for your eyes
- SmartContrast 30000:1 for incredible rich black details
- Fast response time up to 2ms
- DVI-D input and HDCP support

### Designed for your convenience
- Dual input accepts both analog VGA and digital DVI signals
- One-touch format switching between wide and 4:3 ratios
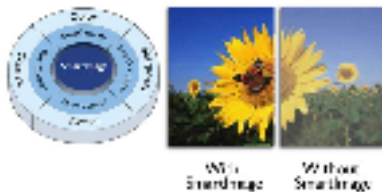- USB port for convenient peripheral connections

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# Highlights

### LightFrame™

Lightframe is Philips LCD technology triggered by turning on the Lightframe to reduce eyestrain by surrounding your monitor frame with blue light that stimulates your visual senses for improved concentration and promotes an overall feeling of well-being.

### SmartImage



With SmartImage    Without SmartImage

SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Image, Entertainment, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

### TrueVision



TrueVision On    TrueVision Off

TrueVision is industry-leading, proprietary Philips testing and algorithm technology for monitor adjustment and fine tuning, an extensive process that ensures ultimate display performance in compliance with a standard four-times more stringent than Microsoft's Vista requirements from each and every monitor that leaves the factory - not just a few review samples. Only Philips goes to these lengths to deliver this exacting level of color accuracy and display quality in every new monitor.

### SmartContrast ratio 30000:1



With SmartContrast    Without SmartContrast

You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of

dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors

### 2ms GtG response time



2ms GtG response time    > 2ms GtG response time

SmartResponse is a exclusive Philips overdrive technology that when turned on, automatically adjusts response times to specific application requirements like gaming and movies which require faster response times in order to produce judder, time-lag and ghost image free images

### Auto picture format button



Widescreen format    4:3 format

Philips auto picture format is a button that switches from the 4:3 aspect ratio to the widescreen mode and back again to match the display's aspect ratio with your content for working with wide documents without scrolling or viewing widescreen media in the widescreen mode and distortion-free, native mode display of 4:3 ratio content.

# Specifications

## Picture/Display
- LCD panel type: 1680 x 1050 pixels, Anti-glare polarizer, RGB vertical stripe
- Panel Size: 22 inch / 55.9 cm
- Aspect ratio: 16:10
- Pixel pitch: 0.282 x 0.282 mm
- Brightness: 250 cd/m²
- SmartContrast: 30000:1
- Contrast ratio (typical): 1000:1
- SmartResponse: 2 ms (Gray to Gray)
- Response time (typical): 5 ms
- Optimum resolution: 1680 x 1050 @ 60Hz
- Viewing angle: 160° (H) / 160° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: 16.7 M
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 75 Hz (V)
- sRGB

## Connectivity
- Signal Input: VGA (Analog ), DVI-D
- USB: USB 2.0 x 1
- Sync Input: Separate Sync, Sync on Green

## Convenience
- User convenience: SmartImage, SmartControl II, Picture format selection, LightFrame, Menu, Input, Auto, Power On/Off
- OSD Languages: English, French, German, Italian, Russian, Simplified Chinese, Spanish, Portuguese
- Other convenience: Kensington lock
- Plug & Play Compatibility: DDC/CI, Windows 98/ 2000/XP/Vista, sRGB

## Stand
- Tilt: -5/20 degree

## Power
- ECO mode: <17.5W
- On mode: <20W (EnergyStar 5.0 test method)
- Off mode: <0.5 W
- Power LED indicator: Operation - Blue, Stand by/ sleep -blue(blinking)
- Power supply: Built-in, 100-240VAC, 50/60Hz

## Dimensions
- Product with stand (mm): 429 x 517 x 201 mm
- Product without stand (mm): 350 x 517 x 74 mm
- Packaging in mm (WxHxD): 570 x 482 x 134 mm

## Weight
- Product with stand (kg): 4.88 kg
- Product without stand (kg): 4.53 kg
- Product with packaging (kg): 6.46 kg

## Operating conditions
- MTBF: 50,000 hour(s)
- Relative humidity: 20%-80 %
- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C

## Sustainability
- Environmental and energy: EPEAT Silver, RoHS, EnergyStar 5.0

## Compliance and standards
- Regulatory Approvals: CE Mark, SEMKO

## Cabinet
- Color: White

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