

Technical Specifications

PHILIPS

Monitors



Viewing perfection with life-changing eye-care tech

Anti-glare coating

LowBlue Mode

Flicker-free



TÜV Rheinland certification

Our displays that feature eye-care technology are eye comfort-certified by TÜV Rheinland, an internationally-recognized independent quality reviewer trusted by all. Stringent laboratory testing is conducted according to the ISO 9241-307 standard to ensure that all our certified displays offer comfortable viewing, despite pulling long hours.



Model	242B1
Panel Size:	23.8 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	1920 x 1080 @ 75Hz*
Response Time:	4 ms (Gray to Gray)*
Brightness:	250 cd/m ²
Signal Input:	VGA (Analog), DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4 x 1
Features:	<ul style="list-style-type: none"> • PowerSensor • IPS Wide Viewing Angle • 3-sided Frameless • SmartErgoBase
VESA Mount:	100 x 100 mm



Model	243B1
Panel Size:	23.8 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	1920 x 1080 @ 75Hz*
Response Time:	4 ms (Gray to Gray)*
Brightness:	250 cd/m ²
Signal Input:	DisplayPort 1.4 x 1, HDMI 1.4 x 1, USB-C 3.2 Gen 2 x 1
Features:	<ul style="list-style-type: none"> • USB-C Docking • PowerSensor • Ultra Narrow Bezel • SmartErgoBase
VESA Mount:	100 x 100 mm



Model	245B1
Panel Size:	23.8 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	2560 x 1440 @ 75Hz*
Response Time:	4 ms (Gray to Gray)*
Brightness:	250 cd/m ²
Signal Input:	DVI-D (digital, HDCP), DisplayPort 1.2, HDMI 1.4 x 1
Features:	<ul style="list-style-type: none"> • PowerSensor • Quad HD • 3-sided Frameless • SmartErgoBase
VESA Mount:	100 x 100 mm



Model	278B1
Panel Size:	27 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	3840 x 2160 @ 60Hz
Response Time:	4 ms (Gray to Gray)*
Brightness:	350 cd/m ²
Signal Input:	DisplayPort 1.2, HDMI 2.0 x 2
Features:	<ul style="list-style-type: none"> • PowerSensor • 4K UHD • 3-sided Frameless • SmartErgoBase
VESA Mount:	100 x 100 mm



Model	279P1
Panel Size:	27 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	3840 x 2160 @ 60Hz*
Response Time:	4 ms (Gray to Gray)*
Brightness:	350 cd/m ²
Signal Input:	DisplayPort 1.4 x 1, HDMI 2.0 x 2, USB-C 3.2 Gen 2 x 1
Features:	<ul style="list-style-type: none"> • USB-C Docking • 4K UHD • EasyRead • SmartErgoBase
VESA Mount:	100 x 100 mm



Model	329P1H
Panel Size:	31.5 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	3840 x 2160 @ 60Hz
Response Time:	4 ms (Gray to Gray)*
Brightness:	350 cd/m ²
Signal Input:	DisplayPort 1.4 x 1, HDMI 2.0 x 2, USB-C x 1
Features:	<ul style="list-style-type: none"> • USB-C Docking • 4K UHD • Windows Hello • PowerSensor
VESA Mount:	100 x 100 mm



Model	221V8
Panel Size:	21.5 inch
Contrast Ratio:	4,000:1
Optimum Resolution:	1920 x 1080 @ 75Hz*
Response Time:	4 ms (Gray to Gray)*
Brightness:	200 cd/m ²
Signal Input:	VGA (Analog), HDMI (digital, HDCP)
Features:	<ul style="list-style-type: none"> • VA Wide Viewing Angle • Full HD • SmartContrast • EasyRead
VESA Mount:	100 x 100 mm



Model	241V8
Panel Size:	23.8 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	1920 x 1080 @ 75Hz*
Response Time:	4 ms (Gray to Gray)*
Brightness:	250 cd/m ²
Signal Input:	VGA (Analog), HDMI (digital, HDCP)
Features:	<ul style="list-style-type: none"> • IPS Wide Viewing Angle • Full HD • SmartContrast • EasyRead
VESA Mount:	100 x 100 mm



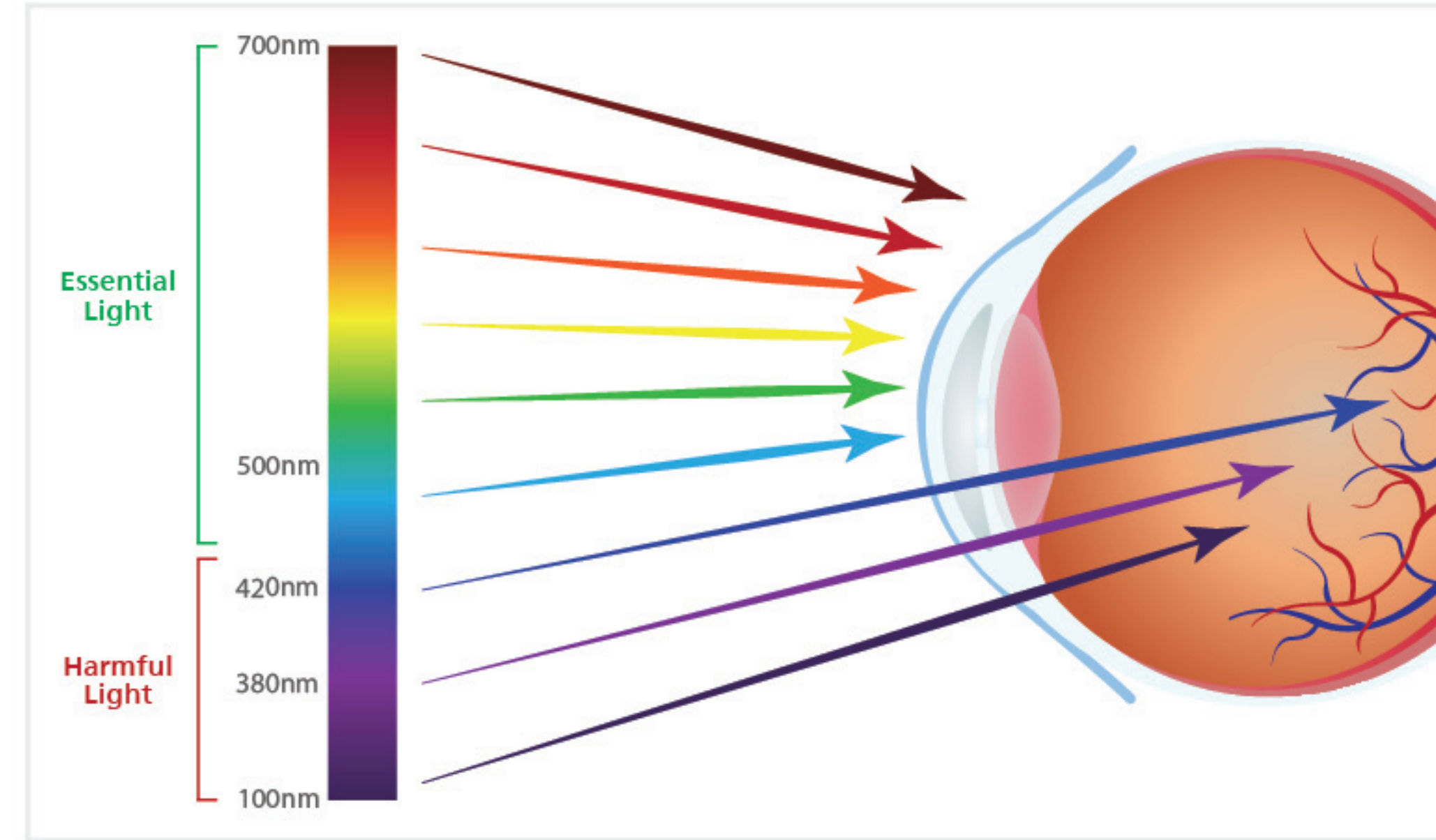
Model	271V8
Panel Size:	27 inch
Contrast Ratio:	1,000:1
Optimum Resolution:	1920 x 1080 @ 75Hz*
Response Time:	4 ms (Gray to Gray)*
Brightness:	250 cd/m ²
Signal Input:	VGA (Analog), HDMI (digital, HDCP)
Features:	<ul style="list-style-type: none"> • IPS Wide Viewing Angle • Full HD • SmartContrast • EasyRead
VESA Mount:	100 x 100 mm



*The maximum resolution works for either HDMI, DP or USB-C input.
*Response time value equal to SmartResponse.

How blue light damages eyes?

What actually causes eye damage is the high-energy blue-violet light in the 415 - 455 nm band. This harmful blue light is also emitted from display monitors. Long use of the computer can cause eye strain, headaches, and even sleep disorders. This condition of digital eye strain is also known as Computer Vision Syndrome (CVS). Particularly susceptible to damage are the lens and retina. Prolonged exposure to this blue light may result in myopia and increase the risk of age-related macular degeneration.



Possible symptoms:

Dry eyes

Red eyes

Eyes strain

Headache

Eye-care solutions



LowBlue Mode
A setting on the monitor that reduces harmful ultra-violet rays to prevent damage on the corneas of the eyes. Philips LowBlue Mode technology uses a smart software to lower harmful shortwave blue light so that users can continue to enjoy their screen time despite clocking long hours.

Flicker-free
A technology that is used to regulate brightness and reduce flicker of the display for a more comfortable viewing. As flicker on the screen causes eye fatigue, our Flicker-free technology eliminates the flicker for user comfort, whether for work or entertainment.

SmartErgo Base
The ergonomic adjustment ability of an adjustable stand offers flexibility like no other to meet the preferences of different users, preventing strain on the user's eyes as well as shoulders and neck. For serious work or leisure, the monitor can be set to the desired height and angle for the best view.

EasyRead
A comfortable, eye-friendly paper-like reading experience is what is offered by Philips' innovative EasyRead Mode. For long text or wordy documents, activating EasyRead Mode means having a screen that's friendly for long hours of reading without eye strain or other physical discomforts.



Eye comfort for creative professionals

Get your best creative designs accomplished with Philips Monitors' eye-care technology. Understanding the need to spend long hours at work, SmartErgoBase offers people-friendly ergonomic adjustments for all-day comfort, even when working on vertical designs. To read wordy documents, enable EasyRead mode to enjoy an eye-friendly paper-like reading experience.

Eye comfort for businesses

Designed for the way you work, professional displays are trimmed with eye-care technologies to ensure long hours at work are as comfortable as possible. With TÜV Eye Comfort certificate to reduce eye fatigue, these displays are equipped with Flicker-free technology, LowBlue Mode as well as EasyRead mode.



Eye comfort for students

With long hours studying from home, students benefit most by using a monitor with eye-care technologies as they are more susceptible to eye damage from harmful high-energy blue-violet light. The combination of Flicker-free technology and LowBlue Mode will well protect their eyes.

