PHILIPS

Philips B Line 275B1 computer monitor 68.6 cm (27") 2560 x 1440 pixels 2K Ultra HD LCD Black

Brand : Philips   **Product family:** B Line   **Product code:** 275B1

Product name : 275B1

- B Line
- 27" (68.6 cm)
- 2560 x 1440 (QHD)

IPS, LCD, W-LED, 27", 596.736 x 335.664, 16:9, 2560 x 1440 @ 75Hz, 109 PPI, 4 ms, 300 cd/m²
Philips B Line 275B1. Display diagonal: 68.6 cm (27"), Display resolution: 2560 x 1440 pixels, HD type: 2K Ultra HD, Display technology: LCD, Display surface: Matt, Response time: 4 ms, Native aspect ratio: 16:9, Viewing angle, horizontal: 178°, Viewing angle, vertical: 178°. Built-in speaker(s). Built-in USB hub, USB hub version: 2.0 / 3.2 Gen 1 (3.1 Gen 1). VESA mounting, Height adjustment. Product colour: Black

Display

Display diagonal *	68.6 cm (27")
Display resolution *	2560 x 1440 pixels
HD type *	2K Ultra HD
Native aspect ratio *	16:9
Display technology *	LCD
Panel type *	IPS
Backlight type	W-LED
Touchscreen *	✘
Display brightness (typical)	300 cd/m²
Response time	4 ms
Display surface	Matt
Screen shape *	Flat
Supported graphics resolutions	1280 x 720 (HD 720), 1360 x 768 (WXGA), 1920 x 1200 (WUXGA), 2560 x 1440
Supported video modes	720p, 768p, 1080p, 1440p
Aspect ratio	16:9
Contrast ratio (typical) *	1000:1
Contrast ratio (dynamic)	50000000:1
Dynamic contrast ratio marketing name	SmartContrast
Maximum refresh rate *	75 Hz
Viewing angle, horizontal	178°
Viewing angle, vertical	178°
Display number of colours *	16.78 million colours
Pixel pitch	0.2331 x 0.2331 mm
Pixel density	109 ppi
Horizontal scan range	30 - 114 kHz
Vertical scan range	48 - 75 Hz
Viewable size, horizontal	59.7 cm
Viewable size, vertical	33.6 cm
Digital horizontal frequency	30 - 114 kHz
Digital vertical frequency	48 - 75 Hz
RGB colour space	sRGB
Colour gamut	110%
sRGB coverage (typical)	123%
NTSC coverage (typical)	110%

Performance

NVIDIA G-SYNC *	✘
AMD FreeSync *	✘
VESA Adaptive Sync support	✔
Component video sync	Separate sync

Ports & interfaces

HDMI *	✔
HDMI ports quantity	1
HDMI version	1.4
DisplayPorts quantity	1
DisplayPort version	1.2
Audio output	✔
HDCP	✔
DC-in jack	✔

Ergonomics

VESA mounting *	✔
Panel mounting interface	100 x 100 mm
Cable lock slot *	✔
Cable lock slot type	Kensington
Height adjustment *	✔
Height adjustment	15 cm
Pivot	✔
Pivot angle	90 - 90°
Swivelling	✔
Swivel angle range	0 - 180°
Tilt angle range	-5 - 35°
On Screen Display (OSD)	✔
On Screen Display (OSD) languages	Simplified Chinese, Traditional Chinese, Czech, German, Dutch, English, Spanish, Finnish, French, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Swedish, Turkish, Ukrainian
Number of OSD languages	21
Plug and Play	✔
LED indicators	Operation, Stand-by
Tilt adjustment	✔

Power

Energy efficiency class (SDR) *	F
Energy consumption (SDR) per 1000 hours *	25 kWh
Power consumption (typical) *	18 W
Power consumption (standby) *	0.4 W
Power consumption (PowerSave)	17.5 W
AC input voltage	100 - 240 V
AC input frequency	50/60 Hz
Energy efficiency scale	A to G

Performance

Flicker-free technology	✔
Low Blue Light technology	✔

Multimedia

Built-in speaker(s) *	✔
Built-in camera *	✘
Number of speakers	2
RMS rated power	2 W

Design

Market positioning *	Business
Product colour *	Black
Frameless design	✔
Front bezel colour	Black
Detachable stand	✔
Feet colour	Black
Certification	CB, EPA, FCC Class B, ICES-003, CE Mark, TUV Ergo, TUV/GS, SEMKO, CU-EAC, UKRAINIAN, TUV Eye

Ports & interfaces

Built-in USB hub *	✔
USB hub version	2.0 / 3.2 Gen 1 (3.1 Gen 1)
USB upstream port type	USB Type-B
Number of upstream ports	1
USB Type-A downstream ports quantity	4
DVI port	✔
DVI-D ports quantity	1

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-20 - 60 °C
Operating relative humidity (H-H)	20 - 80%
Storage relative humidity (H-H)	20 - 80%
Operating altitude	0 - 3658 m
Non-operating altitude	0 - 12192 m

Packaging content

Stand included	✔

Weight & dimensions

Width (with stand)	613 mm
Depth (with stand)	205 mm
Height (with stand)	537 mm
Weight (with stand)	6.36 kg
Width (without stand)	61.3 cm
Depth (without stand)	5.1 cm
Height (without stand)	36.6 cm
Weight (without stand)	4.75 kg

Packaging data

Package width	700 mm
Package depth	216 mm
Package height	456 mm
Package weight	8.47 kg
Package type	Box

Sustainability

Sustainability certificates	RoHS, ENERGY STAR

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