

Certified Products

- Product

Display Unit: multiple products

- Certificate Holder

HP Inc.

- Test Mark Number

0235005412



The test includes:

1. Low Blue Light (Hardware Solution)

With the emergence of light-emitting diodes (LEDs), organic light emitting diodes (OLEDs) technology, QLED and micro LED, and its increasing use in electronic display products, public interest and concern about blue light has increased. Additionally, with daily screen time continuing to increase and close-up use of devices occurring at all times during the day, users are being exposed to increasing amounts of high-energy visible (HEV) blue light from their devices.

The display industry has developed two different methods to achieve the blue light reduction: a software solution and a hardware solution.

The hardware solution was developed to control the blue light range emission. Instead of reducing the total blue range, the selected range reduction does not impact CCT and display color. It exposes users to less blue light emission while letting them enjoy good color on the display.

TÜV Rheinland has tested this product in order to ascertain the product can offer an effective reduction of hazardous blue light by offering a hardware solution that can filter or reduce the blue light range of the display spectrum.

TÜV Rheinland has defined a catalogue of tests, which establishes the minimum standards for the low blue light content characteristic according to the product and manufacturer's information.

This standard focuses on the blue light ratio and category and the color space coverage.

The testing criteria are based on TÜV Rheinland's research and development, as well as industry standards, exceeding the industry standards.

The blue light content was measured and evaluated in the laboratory using spectro-radiometers.

The keyword "Low Blue Light (Hardware Solution)" confirms that the product satisfies TÜV Rheinland's test criteria.



Certification

The products named in the certificates have been tested by TÜV Rheinland Taiwan Ltd. and fulfill the defined requirements.

Certificate for these Products

- [Certificate Qualitäts-Prüfung Q \(50547702\) "HSD-0105-Q; OMEN 27c; OMEN 27c*****Gaming ..."](#)
- [Certificate Qualitäts-Prüfung Q \(50554652\) "HSD-0146-Q; E22 G5; HP E22 G5 FHD Monitor; HP E22 G5 21.5..."](#)
- [Certificate Qualitäts-Prüfung Q \(50556804\) "HSD-0143-Q; E27k G5; HP E27k G5 4K USB-C Monitor; HP E27k..."](#)
- [Certificate Qualitäts-Prüfung Q \(50558351\) "HSD-0148-A E24t G5**** HP E24t G5**** FHD Touch Monitor \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50558546\) "HSD-0151-A E27q G5**** HP E27q G5**** QHD Monitor \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50558951\) "HSD-0150-A E27 G5**** HP E27 G5**** FHD Monitor \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50559003\) "HSD-0149-A E24q G5**** HP E24q G5**** QHD Monitor \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50560442\) "HSD-0145-Q; E32k G5; HP E32k G5 4K USB-C Monitor; HP E32k..."](#)
- [Certificate Qualitäts-Prüfung Q \(50565424\) "HSD-0142-A \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50584866\) "HSD-0098-A; X34****; HP X34**** IPS 165Hz UWQHD HDR Gamin..."](#)
- [Certificate Qualitäts-Prüfung Q \(50585183\) "HSD-0052-A; E22 G4; HP E22 G4 FHD Monitor \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50585394\) "HSD-0039-F"](#)
- [Certificate Qualitäts-Prüfung Q \(50591747\) "HSD-0040-F"](#)
- [Certificate Qualitäts-Prüfung Q \(50594341\) "HSD-0079-W, Z27u G3 \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50594590\) "HSD-0088-K \(hp\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50595538\) "HSD-0108-F"](#)
- [Certificate Qualitäts-Prüfung Q \(50595645\) "HSD-0110-A E27m G4**** HP E27m G4**** QHD USB-C Conferenc..."](#)
- [Certificate Qualitäts-Prüfung Q \(50595659\) "HSD-0111-A E34m G4**** HP E34m G4**** WQHD Curved USB-C C..."](#)
- [Certificate Qualitäts-Prüfung Q \(50595685\) "HSD-0117-A; M27****; HP M27**** \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50595695\) "HSD-0116-A M24**** HP M24**** Webcam 23.8-inch Monitor \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50596779\) "HSD-0152-W, E24u G5 \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50598097\) "HSD-0147-W, E24 G5 \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50599085\) "HSD-0084-W, E27u G4 \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50600571\) "HSD-0163-W, HP 727pq, HP Series 7 Pro 727pq, HP Series 7 ..."](#)
- [Certificate Qualitäts-Prüfung Q \(50603876\) "HSD-0082-A; E24m G4****; HP E24m G4**** FHD Conferencing ..."](#)
- [Certificate Qualitäts-Prüfung Q \(50609712\) "HSD-0172-K, HSD-0174-K \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50610033\) "HSD-0173-K, HSD-0175-K \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50611624\) "HSD-0176-K \(HP\)"](#)
- [Certificate Qualitäts-Prüfung Q \(50612091\) "HSD-0168-W, HP 738pu, HP Series 7 Pro 738pu, HP Series 7 ..."](#)
- [Certificate Qualitäts-Prüfung Q \(50612923\) "HSD-0164-W, HP 727pk, HP Series 7 Pro 727pk, HP Series 7 ..."](#)

- [Certificate Qualitäts-Prüfung Q_\(50612952\) "HSD-0165-W, HP 727pu, HP Series 7 Pro 727pu, HP Series 7 ..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50614321\) "HSD-0166-W, HP 727pm, HP Series 7 Pro 727pm, HP Series 7 ..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50614324\) "HSD-0167-W, HP 734pm, HP Series 7 Pro 734pm, HP Series 7 ..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615044\) "HSD-0160-A; OMEN 27s****; HP OMEN 27s**** FHD 240Hz Gamin..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615057\) "HSD-0156-A; OMEN 27q****; HP OMEN 27q**** QHD 165Hz Gamin..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615070\) "HSD-0155-A; OMEN 27****; HP OMEN 27**** FHD 165Hz Gaming ..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615133\) "HSD-0154-A; OMEN 24****; HP OMEN 24**** FHD 165Hz Gaming ..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615149\) "HSD-0161-A; OMEN 27qs****; HP OMEN 27qs**** QHD 240Hz Gam..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615163\) "HSD-0158-A; OMEN 32c****; HP OMEN 32c**** QHD 165Hz Curve..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615172\) "HSD-0157-A; OMEN 32q****; HP OMEN 32q**** QHD 165Hz Gamin..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615186\) "HSD-0159-A; OMEN 34c****; HP OMEN 34c**** WQHD 165Hz Curv..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50615193\) "HSD-0162-A; OMEN 27k****; HP OMEN 27k**** UHD 144Hz Gamin..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50622788\) "HSD-0130-A; HP 324pv****; HP Series 3 Pro 324pv****; HP S..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50622852\) "HSD-0131-A; HP 324pf; HP Series 3 Pro 324pf****; HP Serie..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50622918\) "HSD-0128-A; HP 322pf****; HP Series 3 Pro 322pf****; HP S..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50623980\) "HSD-0056-A; E24i G4; HP E24i G4 WUXGA Monitor"](#)
- [Certificate Qualitäts-Prüfung Q_\(50626177\) "HSD-0089-K \(hp\) HSD-0090-K, HSD-0103-K, HSD-0121-K \(hp\)"](#)
- [Certificate Qualitäts-Prüfung Q_\(50627591\) "HSD-0124-A"](#)
- [Certificate Qualitäts-Prüfung Q_\(50630159\) "HSD-0178-W, HP 524pf, HP Series 5 Pro 524pf, HP Series 5 ..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50630754\) "HSD-0177-W, HP 524pn, HP Series 5 Pro 524pn, HP Series 5 ..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50631682\) "HSD-0170-W, OMEN 32 OLED, OMEN TRANSCEND 32, OMEN TRANSCEND..."](#)
- [Certificate Qualitäts-Prüfung Q_\(50635213\) "HSD-0183-A; HP 527pm****; HP Series 5 Pro 527pm****; HP S..."](#)

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