# Acer H series

## Acer H7850BD

*Rich colours and excellent picture quality for your home cinema*

- Resolution: 4K UHD (3,840 x 2,160 px)
- Brightness: 3,000 (standard), 2,400 (eco) ANSI lumens
- Contrast: 1,000,000:1
- Lamp life (hr.): 4,000 (standard), 10,000 (eco), 15,000 (ExtremeEco)
- Warranty: 2 years PickUp service, 1 year for the lamp, 5 years for the DLP Chip
- Usage recommendation: Home cinema

UHD 4K  |  3000 ANSI LM Brightness  |  AcuMotion  |  isf ccc®  |  NVIDIA 3DTV PLAY READY  |  HDMI 3D  |  AC power on

## Ordering Information

| | |
|---|---|
| Model | H7850BD |
| Part Number | MR.JPC11.00T |
| EAN | 4710180414226 |

## Technical Specifications

| | |
|---|---|
| Projection technology | TI XPR Technology & DLP 3D Ready & nVIDIA 3DTV Play & HDMI 3D |
| DLP Chip | 0.66" |
| Version | UHD DMD |
| Resolution | 4K UHD (3,840 x 2,160 px) |
| Display Format | 16:9 (native) / 4:3 (supported) |
| Contrast | 1,000,000:1 |
| Displayable Colours | 1.07 Billion Colors |
| Brightness | 3,000 (standard), 2,400 (eco) ANSI lumens |
| Focus / Focal distance | F = 2.50 ~ 3.26 / f = 20.91 ~ 32.62 mm |
| Projection size (diagonal) | 0.66 ~ 7.67 m |
| Projection distance | 1.30 ~ 9.30 m |
| Throw ratio | 1.39 ~ 2.22:1 |
| Zoom / Digital-Zoom | 1:1.6x / 1.25x |
| Image Offset | 100 ~ 130 % |
| Lens shift | 50 ~ 65 % (vertical) manual |
| Horizontal / Vertical frequency | 15 ~ 135 kHz/24 ~ 120 Hz |
| Projection Modes | Front- / Rear- & Front-Ceiling- / Rear-Ceiling-Projection |
| Lamp / type | 240 watt Philips UHP |
| Lamp life (hr.) | 4,000 (standard), 10,000 (eco), 15,000 (ExtremeEco) |
| Speaker | 2x 5 watt |
| Weight / incl. packaging (kg) | 5.50 kg /8.25 kg |
| Dimensions / Shipping dimensions (mm) | 398 x 298 x 127 /520 x 225 x 425 |
| Power Consumption | 315 (standard), 260 (eco), < 0.5 watt (standby) |
| Noise level | 26 (standard), 24 (eco) dB |
| Uniformity (%) | 85 % |

## Input Ports

| | |
|---|---|
| HDMI with HDCP | 1x |
| HDMI / MHL with HDCP | 1x |
| VGA analog D-Sub | 1x |
| Audio in (3.5mm) | 1x |

## Output Ports

| | |
|---|---|
| USB Type A | 1x DC Out 5V |
| Audio out (3.5 mm) | 1x |
| D-Sub Out (for Monitor Loop Through) | 1x |
| 12V Leinwandsteuerung | 1x |

## Network and Control Ports

| | |
|---|---|
| Network RJ45 | 1x (Monitoring) |
| RS232 | 1x |

## Included Accessory

| | |
|---|---|
| Power adapter IEC 320 C13 | 1x (Euro-plug) |
| HDMI cable | 1x (1.8 m) |
| IR remote control incl batteries | 1x (freeze function, backlight) white |
| Lens cap | 1x |
| User Manual on CD | 1x |
| Quick Start Guide | 1x |

## Optional Accessory

| | |
|---|---|
| Universal ceiling mount short | 4713147892877 / MC.JLC11.002 |
| Universal ceiling mount long | 4713147892884 / MC.JLC11.003 |
| Acer WirelessHD Kit | 4713147715251 / MC.JKY11.009 |
| Acer CastMaster Buttons | 4710180557206 / MC.40511.00N |
| Acer Wireless Mirror | 4713883764520 / MC.JQC11.008 |
| Acer CastMaster Touch | 4710180784336 / MC.40511.00Y |

## Warranty

| | |
|---|---|
| Warranty | 2 years PickUp service, 1 year for the lamp, 5 years for the DLP Chip |

## Usage recommendation

| | |
|---|---|
| Usage recommendation | Home cinema |

## Projection Distance Calculator

| | |
|---|---|
| Projection Distance Calculator | www.acer.com/ac/de/CH/content/acer-projection-calculator |

# acer

## ISF certificated

The calibration according to ISFccc (Imaging Science Foundation) can be performed by specially trained technicians. This calibration offers you in 2 special modes an absolutely perfect image for the lighting conditions prevailing in your home cinema.

## Acer AcuMotion (Image Interpolation)

Acer AcuMotion - Frame Interpolation improves the image quality of fast-moving scenes by inserting intermediate frames, reducing motion blur. AcuMotion shows its strength especially with fast film scenes and rapid gaming.

## Vertical Lens Shift

The Lens Shift function specifically facilitates the installation of the projector. Two wheels on the side of the projector allow you to move the image up or down without distortion.

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## AC Power On

With the AC Power On function, the projector is able to turn on automatically when the projector is powered. You no longer need to turn on the projector separately, but can start the projector directly, for example by turning on the power in the meeting room.

## HDMI 3D

HDMI 3D: The integrated HDMI 1.4a standard allows 3D content to be transferred from suitable playback devices such as 3D Blu-ray players, 3D set-top boxes and 3D game consoles without the need for an additional PC. For example, Acer 3D shutter glasses Bluray 3D movies and 3D TV shows can be viewed in your living room up to 7.62 meters (300") diagonal.

## nVIDIA 3DTV Play ready

With the nVIDIA 3DTV Play ready function, the user can play and view any nVIDIA 3D Vision compatible game, compatible pictures and movies and frame sequential content from the PC with appropriate software.

## Acer Smart Format Technology

Acer SmartFormat technology supports a wide range of input signals, eliminating the need for switching on your notebook/PC, DVD player and receiver. Signals up to 1080p can be received by Acer ColorBoost projectors with HDMI* using Acer SmartFormat technology and can be played back in compressed form.

*Depends on model

## Original 24p

Experience true cinema at 24 frames per second. The Acer Blu-Ray projector reproduces films in the original cinema format as they were shot on the film set. See 24p movies through the eyes of the director.

## Installation menu

With the help of the installation menu, the Acer projector can be perfectly aligned with the surface to be projected in no time at all. The Installation menu can be accessed by pressing the Menu button even if no source is connected to the projector.

## MHL Connectivity

The MHL connectivity (via the MHL™/HDMI™ port) allows you to transmit an uncompressed digital HDMI signal from your smartphone while it is charging via the port. Using the unique optional Acer MHL wireless adapter, content can even be wirelessly transferred from a video source to the projector via Miracast WiFi Display, WiDi Wireless Display or DLNA.

## Wall Color Compensation

Wall-Color Compensation: Best image quality enables wall color correction on colored projection surfaces such as blackboards and wallpaper. 5 optimised wall colours can be compensated easily and without any further settings via the menu for best picture quality.

## Auto Shutdown

The Auto Shutdown function automatically shuts down the Acer projector, if no input signal is received after a preset time. This function can be set individually via the menu and helps to save power and lamp hours.