

# SHARP®

BD80U Series  
LC-52BD80U, LC-46BD80U  
Built-in Blu-ray™ AQUOS® LCD TVs



Once again, Sharp demonstrates its LCD technology leadership by successfully creating a new LCD-TV category. By leveraging their expertise in Blu-ray Disc™ Player technology, Sharp's AQUOS® engineers have developed Full HD 1080p LCD-TVs with built-in Blu-ray Disc™ slots, enabling customers to take easy and full advantage of 1080p Blu-ray Disc™ titles. The slot is also backward-compatible with DVD and CD titles. The BD80 series includes screen sizes of 52" Class (52 1/32" Diagonal) and 46" Class (45 63/64" Diagonal). Both models feature a 10-bit Advanced Super View Superluculent LCD panel with Deep Color compatibility for the brightest, most vivid colors, as well as Sharp's 120Hz Fine Motion Enhanced circuit for the ultimate in fast-motion image processing. Sharp's proprietary Spectral Contrast Engine provides high contrast ratio and deep black levels. They are very fully featured with four HDMI™ terminals, two HD component inputs, a PC input and RS-232C for control.

#### Features:

**Full HD 1080p (1920 x 1080) Resolution** for the sharpest picture possible.

**Built-in Blu-ray Disc™ Slot** enables easy operation of Blu-ray Disc™ content.

**10-Bit ASV Superluculent LCD Panel** from Sharp's state-of-the-art Kameyama factory reduces reflection for a more lifelike picture, truer blacks and fast response time.

**120Hz Fine Motion Enhanced** for the ultimate in fast-motion picture quality.

**Wide Viewing Angles (176°H x 176°W)** Sharp's AQUOS LCD TV viewing angles are so wide, you can view the TV clearly from practically anywhere in the room.

**High Brightness** AQUOS LCD TVs are very bright. You can put them virtually anywhere – even near windows, doors or other light sources – and the picture is still vivid.

**Built-in ATSC / QAM / NTSC Tuners** provide access to DTV and analog TV channels.\*1

**Six 1080p Compatible Inputs** including four HDMI™ (v 1.3 with Deep Color) and two HD component inputs.

### Specifications

Models	LC-52BD80U	LC-46BD80U
Screen Size	52" Class (52-1/32" Diagonal)	46" Class (45-63/64" Diagonal)
Panel Type	10-Bit Advanced Super View Superluculent / Black TFT LCD Panel	
Pixel Resolution	1920 x 1080	
Brightness	450cd/m <sup>2</sup>	
Viewing Angle	176°H / 176°V	
Lamp Life* <sup>2</sup>	60,000 hours	
Audio System	10W + 10W	
Tuning System	ATSC / QAM / NTSC	
Spectral Contrast Engine Level	XD (Extreme Dark)	
Aspect Ratio	16:9	
Response Time	4ms	
HDMI™ Input	4 (1080p compatible)	
HD Component Input	2 (1080p compatible)	
PC Input	15-pin D-Sub x 1	
S-Video Input	1	
Composite Video Input (A/V)	1	
RS-232C	9-pin x 1	
Audio Inputs (L/R)	4	
Back-Light System	3-wavelength	
Cabinet Color	Black	
Table Stand	Swivel, Included	
Optional Wall Mount Brackets	AN-52AG4	
Power Consumption AC	325W	270W
Power Source	120V, 60 Hz	
ENERGY STAR® Qualified* <sup>3</sup>	Yes	
Limited Warranty* <sup>4</sup>	1 year parts and labor	
TV Dimensions (wxhxd) (inches) TV with Stand and Speakers TV with Speakers only	49-3/8 x 34-1/16 x 14-17/32 49-3/8 x 32-9/64 x 5-3/32	43-53/64 x 30-7/16 x 14-17/32 43-53/64 x 28-5/32 x 5-31/64
Net Weight ( in pounds) TV with Stand and Speakers TV with Speakers only	65.0 57.3	52.9 45.2
UPC	074000371729	074000371736

AV-08L-016

\*<sup>1</sup> Contact your local cable or satellite service provider for available HDTV.

\*<sup>2</sup> The typical period of time after which the lamp's power output will have decreased by about half, given that the AQUOS LCD TV is used continuously in a 77°F room under standard lighting and brightness conditions.

\*<sup>3</sup> As an ENERGY STAR® partner, Sharp has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

\*<sup>4</sup> See warranty statement included in the product operation manual or as a PDF download at [www.sharpusa.com](http://www.sharpusa.com).

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Product specifications and design are subject to change without notice.

