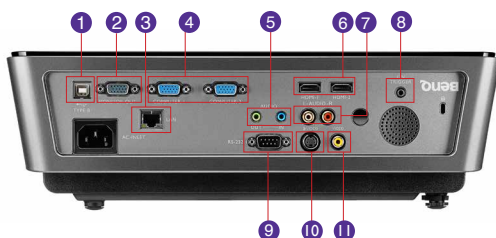# DIGITAL PROJECTOR |HC1200

## Colorific™ Features

- 2,800 sRGB lumens—30% more accurate colors than top selling models
- Looks brighter than a typical 4,000 lumen projector
- Up to 2x More ANSI Contrast
- 5-Year No Fade Certified—Color you see now is color you'll see years from now.

## Input and Output Terminals

1. USB (Type B)
2. Monitor Out (D-sub 15pin)
3. LAN (RJ-45)
4. Computer-1/2 (D-sub 15pin)
5. Audio In/Out (Mini Jack)
6. HDMI -1/2
7. Audio L/R In (RCA)
8. DC 12V Trigger
9. RS232 (DB-9pin)
10. S-Video (Mini DIN 4-pin)
11. Composite Video in (RCA)

## Specifications

| | |
|---|---|
| Projection System | DLP® |
| Native Resolution | Full HD (1920x1080) |
| sRGB Lumens | 100% of the sRGB color space (at full color mode, looks like a traditional 4000 lumen projector) |
| Dynamic (On/Off) Contrast | 10,000:1 |
| ANSI Contrast | 510:1 |
| Display Color | 1.07 Billion Colors |
| Lens | F=2.42~2.97, f=20.7~31.05mm |
| Zoom Ratio | 1.5x |
| Aspect Ratio | Native 16:10 (5 aspect ratio selectable) |
| Throw Ratio | 1.378~2.067 |
| Lamp Type | 310W |
| Lamp(Normal/Economic/SmartEco)* | 2800/3000/3500 hours |
| Keystone Adjustment | 1D, Vertical +/- 40 degrees |
| Projection Offset | Vertical: 130% ±5% |
| Resolution Support | VGA(640 x 480) to WUXGA_RB(1920 x 1200) *RB = Reduced blanking |
| Horizontal Frequency | 15K-102KHz |
| Vertical Scan Rate | 23-120Hz |
| Compatibility | HDTV Compatibility: 480i, 480p, 576i, 576p, 720p, 1080i, 1080p<br>Video Compatibility: NTSC, PAL, SECAM<br>3D Compatibility: Frame Sequential: Up to 720p<br>Frame Packing: Up to 1080p<br>Side by Side: Up to 1080i/p<br>Top Bottom: Up to 1080p |
| Interface | Computer in (D-sub 15pin) x 2<br>HDMI x 2<br>Monitor out x 1<br>Composite Video in (RCA) x 1<br>S-Video in x 1<br>Audio in (Mini Jack) x 1<br>Audio in (L/R) x 1<br>Audio out (Mini Jack) x 1<br>Speaker 5W x 1<br>LAN(RJ-45) x 1<br>USB (Type B) x 1<br>DC 12V Trigger (3.5mm Jack) x 1<br>RS232 (DB-9pin) x 1<br>IR Receiver x 2 (Front + Rear) |
| Dimensions (WxHxD) | 358 x 119 x 259 mm (w/ feet) |
| Weight | 3.7 kg (8.14 lbs) |
| Image Size Diagonal | 26" ~ 300" |
| Power Supply | AC100 to 240 V, 50 to 60 Hz |
| Power Consumption | 370W(Normal), 300W(Eco), Standby<0.5W |
| Audible Noise | 38/33 dBA (Normal/Economic mode) |
| Picture Mode | Dynamic/Presentation/sRGB/Cinema/User 1/User 2 |
| Accessories (Standard) | Carry Bag, Remote Control w/ Battery, User Manual CD, Lens Cover, Power Cord, VGA Cable, QSG, Warranty Card |
| Accessories (Optional) | Spare Lamp Kit P/N: 5J.J8805.001<br>Ceiling Mount P/N: 5J.J4N10.001<br>Carry Bag P/N: 5J.J4R09.001<br>Remote P/N: 5J.J8A06.001 |
| UPC Code / Part # | 8400460-3101-5 / 9H.JDA77.23A |
| Limited Warranty | 3 Years Parts & Labor / 1 Year or 2000 Hours of Lamp Life |

\* Lamp life results will vary depending on environmental conditions and usage. Actual product's features and specifications are subject to change without notice.

\* Preferred 7 to 1 over other 4,000 lumen projectors for brightness and color accuracy. Based on end user research.
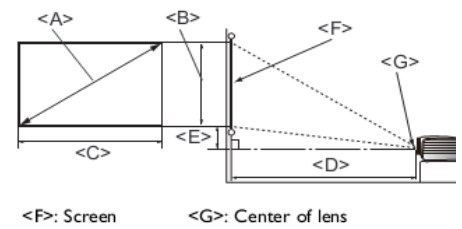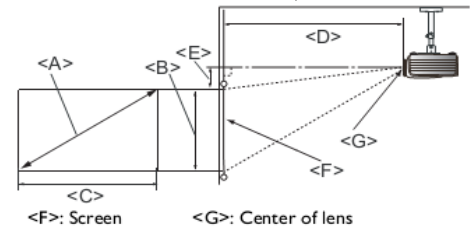
## BenQ
Because it matters

## Distance Chart

Installation for a 16:9 ratio screen

| Image Size | | | | Distance (inch) | | | Offset (inch) |
|---|---|---|---|---|---|---|---|
| Diagonal | | Height | Width | Min distance | | Max distance | A (inch) |
| Inch | mm | (inch) | (inch) | | Average | | @ Wide mode |
| 50 | 1270 | 24.5 | 43.5 | 60.9 | 75.9 | 91.0 | 3.6 |
| 60 | 1524 | 29.4 | 52.1 | 73.1 | 91.2 | 10.8 | 4.4 |
| 70 | 1778 | 34.3 | 61.0 | 85.2 | 106.4 | 127.5 | 5.1 |
| 80 | 2032 | 39.2 | 69.7 | 97.4 | 121.6 | 145.7 | 5.8 |
| 90 | 2086 | 44.1 | 78.4 | 109.6 | 136.8 | 163.9 | 6.6 |
| 100 | 2540 | 49.0 | 87.1 | 121.8 | 152.0 | 182.1 | 7.4 |
| 110 | 2794 | 53.9 | 95.8 | 134.0 | 167.2 | 200.3 | 8.1 |
| 120 | 3048 | 58.8 | 104.6 | 146.2 | 182.4 | 218.5 | 8.8 |
| 130 | 3302 | 63.7 | 113.3 | 158.3 | 197.5 | 236.8 | 9.5 |
| 140 | 3556 | 68.6 | 121.8 | 170.5 | 212.7 | 255.0 | 10.3 |
| 150 | 3810 | 73.5 | 130.7 | 182.7 | 227.9 | 273.2 | 11.0 |
| 160 | 4064 | 78.4 | 139.4 | 194.9 | 243.1 | 291.4 | 11.7 |
| 170 | 4318 | 83.3 | 148.1 | 207.1 | 258.3 | 309.6 | 12.5 |
| 180 | 4572 | 88.2 | 156.8 | 219.3 | 273.6 | 327.8 | 13.2 |
| 190 | 4826 | 93.1 | 165.5 | 231.4 | 288.8 | 346.1 | 13.9 |
| 200 | 5080 | 98.0 | 174.3 | 243.7 | 304.0 | 364.3 | 14.7 |
| 250 | 6350 | 122.5 | 217.9 | 304.6 | 380.0 | 455.3 | 18.3 |
| 300 | 7620 | 147.1 | 261.4 | 365.5 | 456.0 | 546.4 | 22.0 |

### Floor Installation

<F>: Screen      <G>: Center of lens

### Ceiling Installation

<F>: Screen      <G>: Center of lens

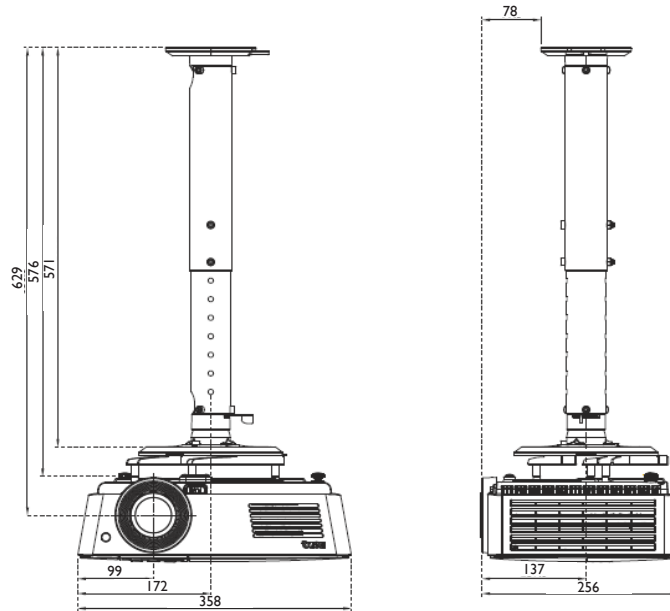## Ceiling Mount Chart

Units: mm

## Dimensions

Units: mm

259

358

119