

RLS-W12

12,000 lumens, WUXGA, 1-chip DLP projector



The RLS-W12 is a single-chip DLP projector that produces 12,000 center lumens light output and offers WUXGA (1,920 x 1,200) resolution, extended warping and blending, and HDBaseT™ technology to provide video over a single Cat 5 cable at a very low price point. Designed for fixed installation in museums, theaters and conference auditoriums, it's also ideally suited for the hotel and exhibition rental market thanks to its rugged design, extended warping and blending functionalities*, and optional rental frame.

Cost-effective design

Offering high-brightness images, the cost-effective RLS-W12 features a rugged design that reduces noise and minimizes power consumption. Its twin 465W NSH lamps are not only very affordable they also provide a long lifetime. It operates at full brightness on a voltage range of 110V - 240V.

Simplified setup and installation

Featuring HDBaseT™ and BarcoLink, the RLS-W12 supports point-to-point transmission of video signals – up to WUXGA (1,920 x 1,200) at 60 Hz – from source to projector, over distances of more than 70 meters, via a single Cat 5 or BNC cable. By eliminating multiple expensive cables and connectors, it provides more simplicity, flexibility and lower installation costs.

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Simple control

The RLS-W12 can be easily controlled via the wired or wireless remote control, the Android and iOS app, and the user-friendly Projector Toolset software.

* Some combinations will restrict adjustment range



Product specifications**RLS-W12**

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|---|---|
| Projector type | WUXGA 1-chip DLP digital projector |
| Technology | 0.96" DMD™ x 1 CW:RGBYCW |
| Resolution | 1,920 x 1,200 |
| Brightness | 12,000 center lumens / 11,000 ANSI lumens* |
| Contrast ratio | 1,500:1 |
| Brightness uniformity | 90% |
| Aspect ratio | 16:10 |
| ScenergiX | Horizontal and vertical edge blending |
| Lens type | J type |
| Lenses | 0.84-1.03:1; 1.25-1.48; 1.56-1.85:1; 1.85-2.4:1; 2.4-4.0:1; 4.0-7.0:1 |
| Optical lens shift | Vertical: +/- 100%; horizontal: +/- 30% Vertical: +/- 75%; horizontal: +/- 25% (for 0.84-1.03:1 lens) |
| Color correction | P7 |
| Lamps | 2x465W |
| Lamp lifetime | 1,500 hours (typical) / 2,000 hours (maximum) |
| Lamp warranty | 120 days, 500 hours |
| Sealed DLP™ core | Standard |
| Optical dowser | Standard |
| Picture-in-picture | Up to two sources simultaneously |
| Orientation | table - ceiling - vertical |
| WARP | preset values + custom (RS232) |
| Integrated web server | Yes |
| 3D | Passive circular polarized (optional) |
| Inputs | 1 x HDMI (HDCP 1.3); HDBaseT; 5-BNC (RGBHV, RGBS/RGBsB;YUV); VGA (RGBHV, RGBS/RGBsB;YUV); cinch (RGBs, YUV); HSDI/ 3G HDS DI /SDI |
| Input resolutions | From NTSC up to UXGA (1,600 x 1,200), including HDTV (1,920 x 1,200) |
| Max. pixel clock | 165Mhz |
| Software tools | Projection Toolset + Android app + iOS app |
| Control | Mini-jack + IR, RS232, 12v trigger |
| Network connection | 10/100 base-T, RJ-45 connection |
| Power requirements | 90-240V / 50-60Hz - 1,115W @ 240V, 1,150W @ 110V, STBY less than 2W |
| Noise level (typical at 25°C/77°F) | 45 dB(A) norm, 40dB(A) eco |
| Operational ambient temperature | 0-40°C / 32°-104°F |
| Operational humidity | 0-90% (non condens) |
| Dissipation BTU | max 3,804 BTU/h |
| Dimensions (WxLxH) | 530 x 670 x 285 mm / 20.86 x 32.64 x 17.20 inches |
| Weight | 34 kg (74.95 lbs) |
| Shipping Dimensions | (LxWxH) 829 x 709 x 437 mm / 32.63 x 27.91 x 17.20 inches |
| Shipping Weight from Factory | 41.5 kg (91.49 lbs) |
| Standard accessories | Power cord, wireless remote control, HDMI to DVI adaptor |
| Certifications | Complies with FCC rules & regulations, part 15 Class A and CE EN55022 Class A, CE, TUV, RHoS, WEE |
| Warranty | 3 years standard, extra 2 years optional |
| * | +/- 10% |

Last updated: 26 May 2016
Technical specifications are subject to change without prior notice.
Please check www.barco.com for the latest information.

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