**EPSON 3LCD TECHNOLOGY – FOR BRIGHT, FAITHFUL COLOURS**

3LCD projects offer brighter and more accurate colours as they produce individual colour beams through filter technology. The light from a single-chip projector is spread across three individual beams, each one slightly longer than the other but all of the same wavelength, to produce a complete image. The separate beams ensure excellent brightness and more accurate colours as they produce individual colours. The beams are then perfectly recombined in a prism before being projected out as a complete image.

**How is Colour Light Output measured?**

Epson’s groundbreaking 3LCD technology for brilliant short-throw projectors now comes with fully integrated interactive features. Regardless of space constraints, Epson short-throw projectors deliver superior performance and create engaging discussions with dual simultaneous on-screen pens that allow live annotations to be saved to your connected PC or laptop.

**COLOUR LIGHT OUTPUT – TRUE COLOURS SHINING THROUGH**

The Brightness Myth

Did you know that the brightness specification (in lumens) for projectors is a complete image. As a result, it’s not a measurement of a projector’s brightness? It’s a specification of a projector’s light output when white light is projected onto a white screen, measured in lumens. This can be misleading as projector brightness is also affected by the efficiency of the lamp and its cooling system. In a 3LCD projector, brightness is almost triple that of a single-chip projector. The brightness specification in lumens does not directly translate to the actual brightness of the projector. In fact, the brightness specification is often higher than the actual brightness of the projector.

**COLOUR LIGHT OUTPUT**

<table>
<thead>
<tr>
<th>Colour Light Output</th>
<th>2002 Lumens</th>
<th>2002 Lumens</th>
<th>2200 Lumens</th>
<th>2200 Lumens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brightness (or White Light Output)</td>
<td>2,500 lm</td>
<td>3,000 lm</td>
<td>2,500 lm</td>
<td>3,000 lm</td>
</tr>
<tr>
<td>Native Resolution</td>
<td>XGA</td>
<td>WXGA</td>
<td>XGA</td>
<td>WXGA</td>
</tr>
<tr>
<td>LCD Projector Technology</td>
<td>3LCD</td>
<td>3LCD</td>
<td>3LCD</td>
<td>3LCD</td>
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<tr>
<td>Lamp Type</td>
<td>UHE</td>
<td>UHE</td>
<td>UHE</td>
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<tr>
<td>Lamp Life</td>
<td>5,000H</td>
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<tr>
<td>Colour Light Output</td>
<td>2,000 Lumens</td>
<td>2,000 Lumens</td>
<td>2,000 Lumens</td>
<td>2,000 Lumens</td>
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<tr>
<td>Colour Light Output</td>
<td>2,200 Lumens</td>
<td>2,200 Lumens</td>
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<td>Colour Light Output</td>
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<td>2,500 Lumens</td>
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<tr>
<td>Colour Light Output</td>
<td>2,800 Lumens</td>
<td>2,800 Lumens</td>
<td>2,800 Lumens</td>
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</tbody>
</table>

**CLI to Enlighten**

CLo to Enlighten is a new specification for colour brightness of projectors, developed by colour scientists at the U.S. government-funded National Institute of Standards and Technology (NIST - www.nist.gov). CLo to Enlighten provides a new way to specify the true brightness of a projector and its ability to deliver true colour. CLo to Enlighten is a measurement of the total amount of white light output in lumens. CLo to Enlighten is based on the CIE 2002 Colorimetric Rendering Criterions, which provides a method for specifying the ability of a device to reproduce colours accurately. CLo to Enlighten is a more accurate way to specify the true brightness of a projector and its ability to deliver true colour. CLo to Enlighten is a measurement of the total amount of white light output in lumens.
Epson’s latest short-throw projectors come with proven 3LCD technology for brilliant image quality and the ability to project large screens even at close range. New interactive features open the doors for more creative presentations, allowing you to engage and participate with your audience like never before.

**Superb Short-Throw Performance**
With Epson’s short-throw projectors, you don’t need to buy a big room to project on large screens for maximum impact. The short focus lens also allows you to place the projector closer to the screen, thereby greatly reducing glare and shadows cast from the presenter. The result is a more conducive and comfortable experience for everyone in the room.

**Flexible Positioning**
Epson’s short-throw projectors give you greater positioning options for accessibility or creative applications. The projector can be mounted on a ceiling or set on a table, allowing users on-screen annotation with a variety of input sources.

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