2.12.6 CRI

The claimed CRI is in the 90 – 95 range and as it dims the colour remains white. As the lamp dims the CRI is said to remain constant. The colour consistency from lamp to lamp is also claimed to be very good but without seeing a whole row of pendants or floodlights using the source it is not possible to be sure about this yet. The light quality is very usable for general commercial, sports and industrial applications and large retail spaces.

Figure 73
Plasma lamp 23,000 Lumens per light emitting plasma quartz bulb size approx. 0.7mm x 0.7mm.

NOTE 1 It must be considered that there are still some very important drawbacks too:
The tiny light source with such a high power limits low-light requirement lighting applications, increases potential glare issues, if left uncontrolled and/or shielded.

NOTE 2 The systems have many restrictions like dimming limitations, testing proof regarding useful life and lumen stability, high investment costs, the range is limited to a small group of manufacturers which makes it difficult to achieve a competition on the market.

Figure 74
High Efficiency Plasma (HEP) technology is a new and unique genre of electrodeless, RF driven lighting.

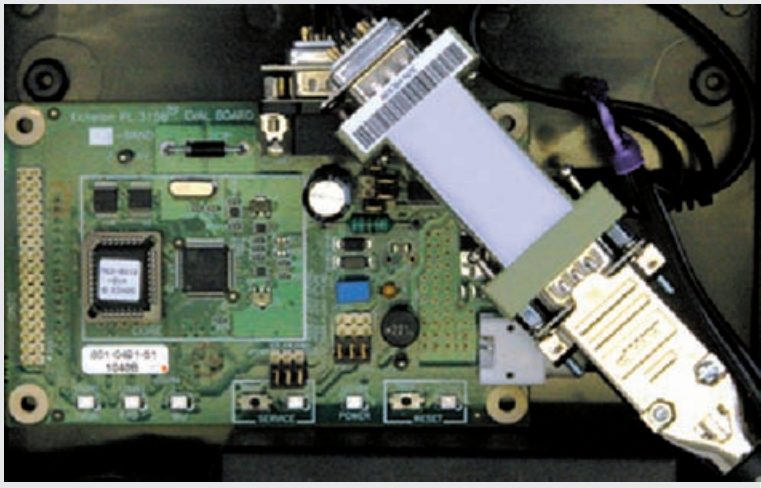

Figure 75