

MUMBAI STATE CENTRE
Breakfast with Light 15
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Subject: LED Lighting - Challenges in Formulating and Meeting Standards

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Due to the continuous evolution in LED manufacturing and increasing light output, formulating standards for LED lighting has become challenging. As life of LED fixtures is dependent on multiple factors such as heat sink, driver, luminaire, etc., meeting standards has also become very complex and challenging. From 2010 the process for development of Indian Standards on LEDs has been initiated. Technical Committees, ET 23 and ET 24 of the Bureau of Indian Standards (BIS) are responsible for the preparation of Indian Standards in this area. Considering the widespread demand from all stakeholders like manufacturers, users and Government bodies, two panels on LEDs were formed under these two technical committees ET 23 and ET 24 in June 2010. BIS has also been in contact with all those responsible for bringing out the best possible Indian Standards on LED Lighting. Draft standards developed have undergone changes many times due to this constant interaction. Finally, the committee felt the need to finalise the first series of standards on LEDs on priority. So far ten LED standards have been approved for printing. The remaining two on luminaires are again undergoing changes and are expected to be finalised soon. This presentation evoked extensive discussion and the audience shared their experiences with LEDs.