

SUSTAINABILITY ILLUMINATED ROUNDTABLE

Q1 KEY TAKEAWAYS



How can the lighting industry effectively address the pressing environmental concerns, such as energy consumption and carbon emission, while maintaining lighting quality and performance?

Conversations are not always linear, with people circling back to key points, or introducing later topics. We have taken a transcript of the roundtable, summarised it and reordered it to bring you the key points from the team on the day.

Our Journey

- The biggest challenge ahead for the lighting industry is that we need to address environmental concerns such as energy consumption and carbon emissions while still maintaining lighting quality and performance.
- Before looking at what next, it should not be forgotten that the industry has already made huge progress in addressing environmental concerns, including the phase-out of incandescent light sources and the adoption of LED technology.

"THE LIGHTING INDUSTRY SHOULD STRIVE FOR GLOBAL COMMON [SUSTAINABILITY] STANDARDS TO FACILITATE INTERNATIONAL TRADE AND COMPETITIVENESS."

Technology

- There is a need for improved use of available technology, design approaches, commissioning and post occupancy evaluation in the lighting industry to address environmental concerns effectively.
- The potential of lighting controls and technologies like occupancy sensing and smart lighting for energy efficiency should be further promoted, explored and implemented.

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Metrics

- The industry should focus on removing complexity and adopting standardised, cross industry metrics for assessing environmental impact, such as lifecycle assessments and carbon footprint assessments.
- TM66 has been widely adopted as useful circular economy metric for street and urban lighting, providing steps to understand and score against for better environmental performance and is rapidly rolling out into other sectors.
- The use of standardized metrics, again like TM66, can help manufacturers and customers compare products and make informed decisions. It is that consistency and transparency in metrics that is crucial for comparing products and ensuring a level playing field in the industry.
- Accessible metrics like TM66 are valuable, especially for smaller companies.
- Ideally there should be a global common standard for sustainability. Though it is recognised that this is unlikely to happen anytime soon. The industry should strive for a common language and standard measure to facilitate communication and benchmarking.
- Explanation of metrics is important, sometimes they are used as checkbox exercises without a clear understanding of their purpose is or if there is documentation to support them.