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O22 - LED projection technology in planetariums

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In recent years, LED technology has begun to replace traditional projection technology in planetariums through the use of active screens powered by millions of individual LEDs. While this technology enables higher brightness and contrast, international vendors face unique challenges caused by LEDs, especially in relation to the dark environments typical of planetariums. This paper describes LED technology in terms of its implementation in the planetarium, current status, technical challenges, and future perspectives.

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