

[Provisional Translation Only]

This English translation of the original Japanese document is provided solely for information purposes.

Should there be any discrepancies between this translation and the Japanese original, the latter shall prevail.

July 31, 2023

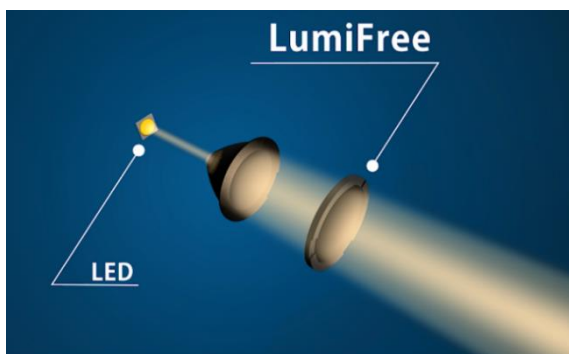
Japan Display Inc. (JDI) (Tokyo Stock Exchange Prime Market, 6740)
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JDI Commences Mass Production of World’s First LED Free-Lighting Technology LumiFree

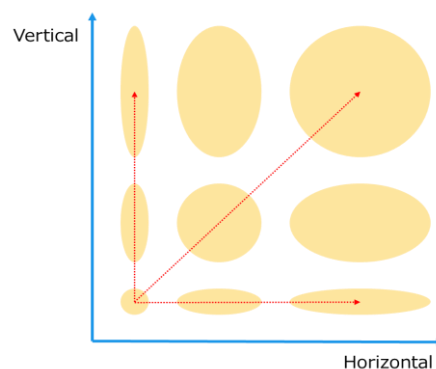
JDI is pleased to announce that it has started mass production and shipments to customers of LumiFree, the world’s first LED Free-Lighting technology that can freely and flexibly control the light distribution characteristics of LED light sources.

LumiFree has attracted a great deal of interest from companies in the lighting industry as a product that will revolutionize the world of lighting by enabling the control of light distribution characteristics, something that has been difficult to achieve with conventional lighting equipment and technology. JDI has recently begun shipping mass produced products to lighting equipment manufacturers in Japan for the first time. In addition to the samples JDI has been providing to Japanese customers, JDI has also begun providing samples to overseas customers.

JDI has positioned LumiFree as one of the six proprietary growth drivers in our METAGROWTH 2026 growth strategy and is driving its commercialization. JDI is working to drive significant growth by further strengthening its Global No.1 proprietary technologies, securing competitive advantage, and significantly improving profitability.



LumiFree Schematic



Variable Control of Light Distribution Characteristics

About LumiFree

JDI has developed LumiFree off the back of its deep expertise in both backplane and frontplane technologies that it has developed over its many years in the display industry. LumiFree makes it possible to control the light distribution characteristics of lighting at any

given time, enabling the delivery of the right amount of light at the right time and place. JDI is working to contribute to the realization of a sustainable society by creating new value through new lighting effects, reducing energy consumption by optimizing lighting for each usage scenario and by reducing light pollution caused by the excessive use of lighting.

LumiFree Product Page

<https://www.j-display.com/english/product/lumifree.html>

Related News Releases

[JDI Develops LumiFree, World's First LED Free Lighting Technology](#) (October 31, 2022)

[LumiFree LED Free Lighting New Product Announcement](#) (October 31, 2022)

LumiFree Demonstration Videos

1) <https://www.youtube.com/watch?v=H3NRESts61k>

2) <https://www.youtube.com/watch?v=dQFtiShMtQE>

Note

1) The LumiFree name is pending trademark registration