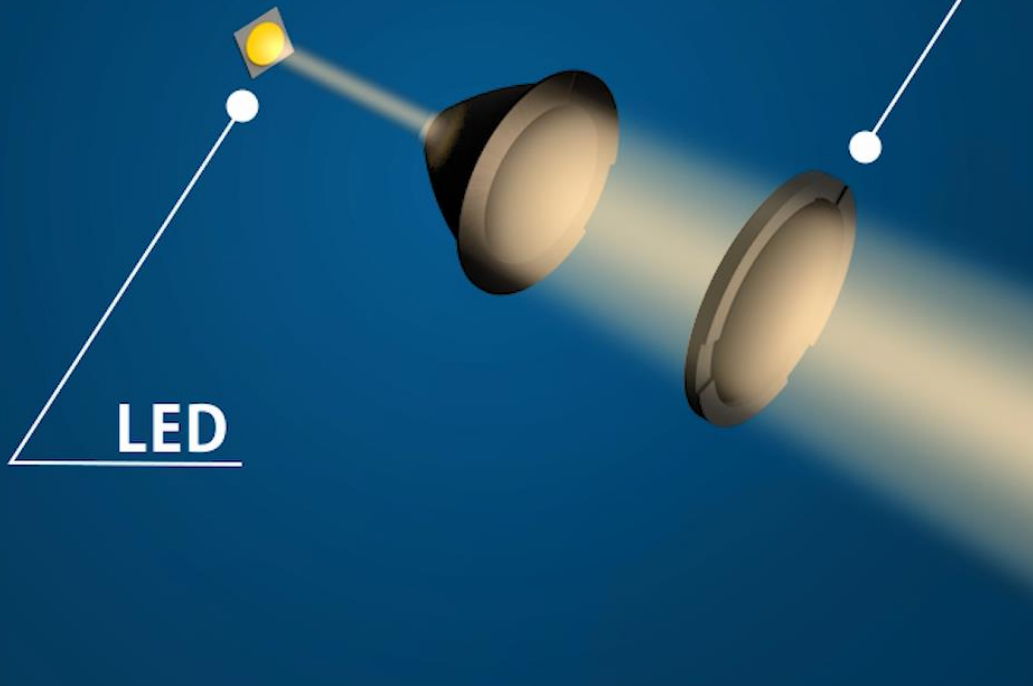


## LumiFree



## LumiFree

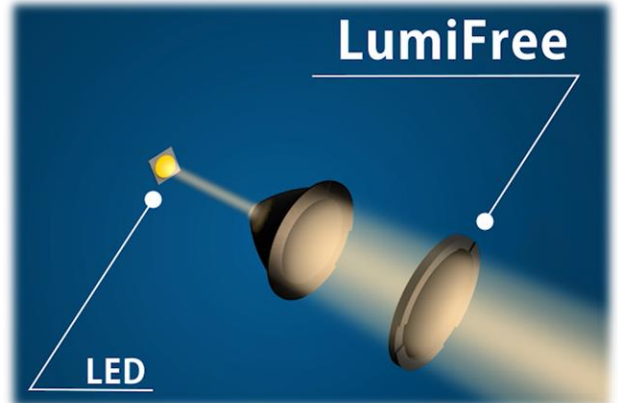
**Free Lighting**



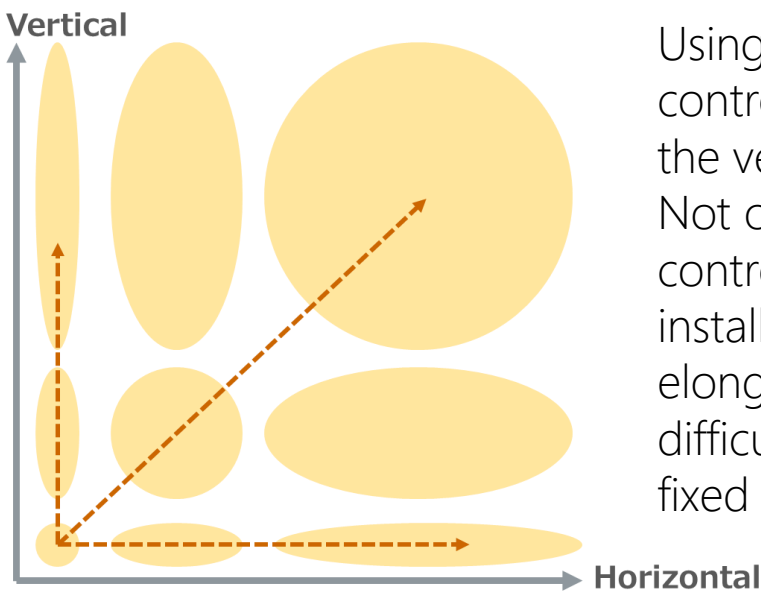
## Freedom for Light, Beauty for the World

LumiFree makes it possible to control light distribution characteristics at will, enabling the delivery of the right amount and shape of light at the right time and place

*LumiFree Product  
Demo Video*



## Shape Light Over 10000 Different Ways



Using LumiFree, light can be freely controlled and shaped along both the vertical and horizontal axes. Not only can LumiFree allow the control of light after production and installation, but it can also generate elongated and elliptical shapes difficult to produce with conventional fixed lighting.

Choose from preset shapes or create your own to match your needs



**Off State**



**Vertical**



**Diffusion**

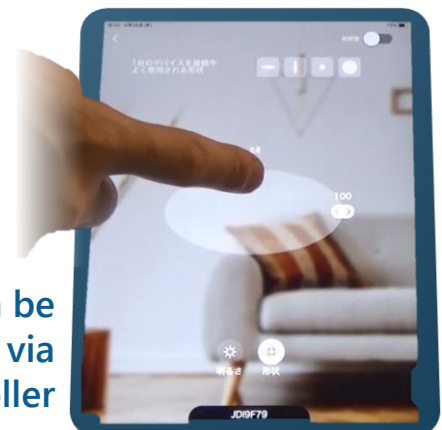


**Horizontal**



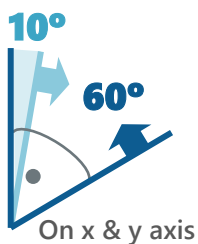
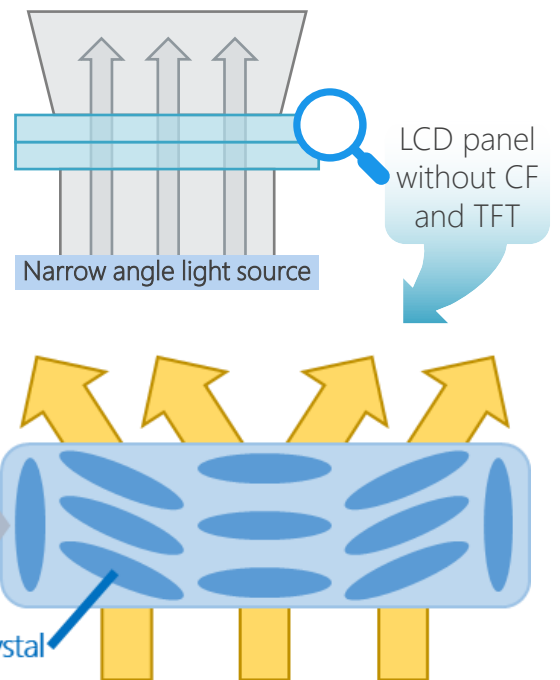
**Oval**

All Shapes can be controlled easily via App or DMX controller



## Basic Principle

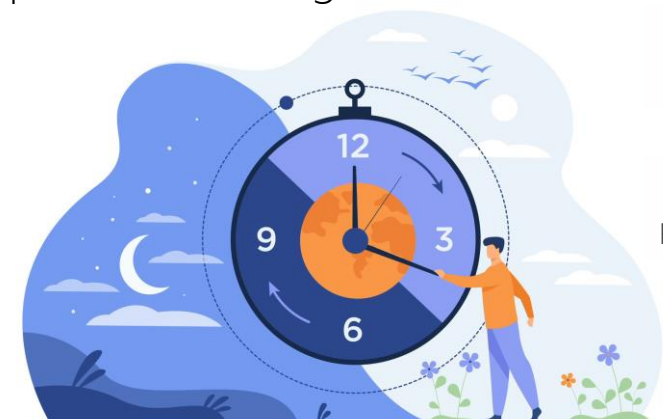
When voltage is applied to the liquid crystal panel the structure of the crystals change in accordance with the amount of voltage applied and affect the light distribution characteristics accordingly



Light distribution characteristics can be adjusted along 256 steps both on the x & y axes. Thus, LumiFree can change how a light fixture with a half beam angle of 10 degrees distributes light up to 60 degrees from (0,0) to (255,255).

## LumiFree for a More Sustainable World

LumiFree's ability to allow for the use of the right amount of light at precisely the right time reduces power consumption and light pollution making our world more livable for all



### Adjusting the **Brightness**

Freely adjustable via LED current control



### Adjusting the **Color**

Freely adjustable via color LED current control



### Controlling the **Light**

Freely adjustable via LumiFree



LumiFree can be controlled wireless via an App on a smartphone or other device that can run the provided app or software

# Contact



Scan the code to contact our global sales team



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## About Us

JDI is a Japanese designer and manufacturer of small & mid sized display solutions, and of a wide range of applications using semiconductors, liquid crystals and light materials as inputs.

JDI operates globally while having its headquarters and frontend fabs located in central Japan. Around 5000 people at JDI work diligently to deliver value directly to our 150+ major clients and through distributors worldwide.

