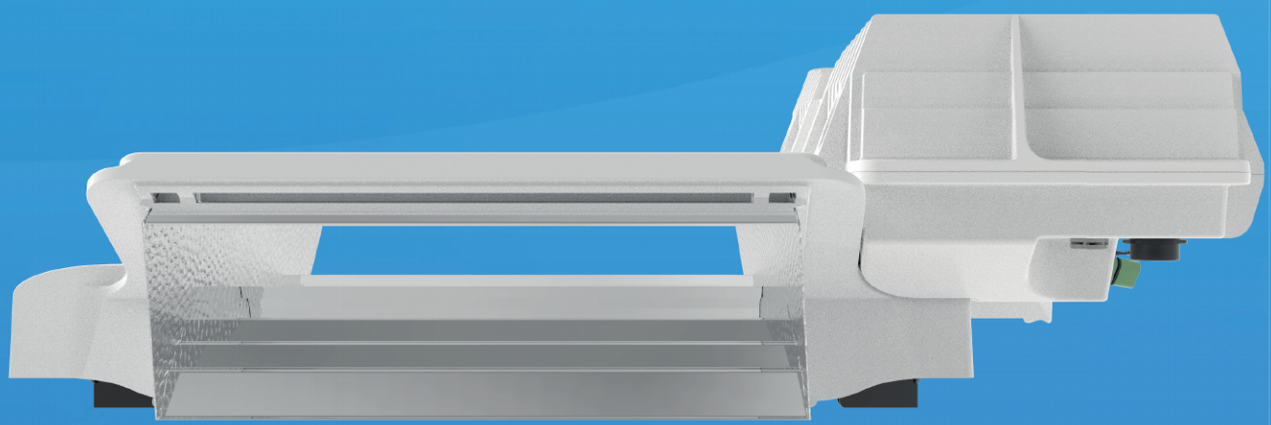
Dutch Lighting™
Innovations



DLI JOULE-Series
1000W DE 400V Fixture

Redefining
The Light Fixture

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Redefining
The Light Fixture

Dutch Lighting Innovations is an innovative company which develops and manufactures supplemental lighting systems for the global greenhouse industry. Our products are made with components of the highest quality and reliability and are very easy in maintenance.

With over 25 years of experience in development, production and sales of fixtures in the global greenhouse industry, the DLI team have redefined the lighting fixture.

After working closely together with Philips Lighting for High Pressure Sodium and Metal Halide systems, DLI developed LED products for climatized rooms, multi-layer grow systems and Interlighting for vegetable growth.

Our HPS and LED Interlight products can either be used as stand-alone systems or as a hybrid system to achieve the highest yields and to improve the growers return on investment.

DLI's mission is to always create a fixture that surpasses the performance of the competitors, whilst improving the design to suit the purpose. This new approach to design has made way for numerous improvements in the light fixtures design and functionality.

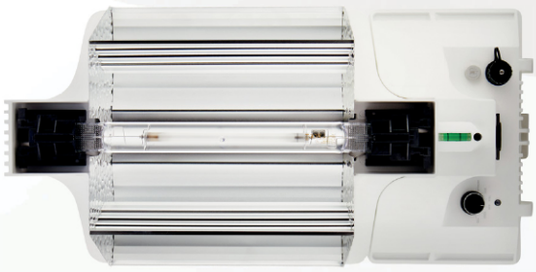
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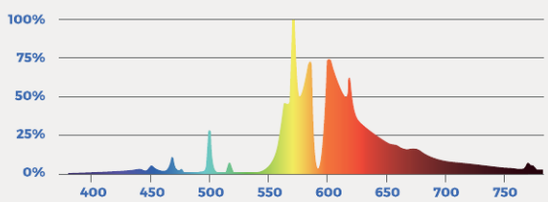
DLI can help with a customized lighting plan for your greenhouse or facility that match the requirements of your crop and light level and provide you with a comprehensive solution. With the experience of our team members we can help you with advise best fit for your company.

Exclusive µmol output

The new Dutch Lighting Innovations JOULE-Series 1000W fixture is designed for the DLI Horticulture Plus 1000W DE Lamp.

This lamp is optimized by DLI to increase photosynthesis efficiency in flowering plants. By enhancing the gas chemistry of the lamp the output maintains high life.





OUR CORE **VALUES**

- RESEARCH & DEVELOPMENT
- INNOVATION IN DESIGN
- QUALITY & LONGEVITY
- CONSTANT IMPROVEMENT
- CUSTOMER SATISFACTION

The DLI JOULE-Series 1000W fixture comes with a 3 year warranty.

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Time for Improvement
For Decades

...growers have settled for lighting options that are not 100% tailored for their use and crop. Grow light manufacturers are always trying to appease the mass populations of growers, rather than honing in on exactly what they need for optimal performance, yields, and most important quality.

Dutch Lighting Innovations presents the JOULE-series 1000w DE system. This proprietary engineered design has reset the bar for horticulture production specifically.

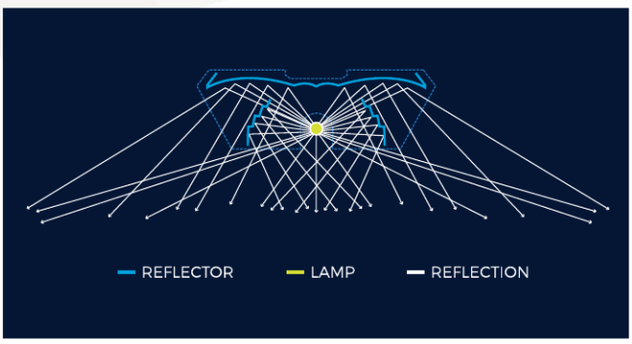
The engineering principles behind the DLI Open Reflector are a culmination of over a decade of research and development. The team works with a ranging group of some of the best horticulturists around the globe; each who specialise in plant and varietal specific production processes for the ornamental, and commercial flower market. Dutch Lighting Innovations has allowed these groups a new level of consistency, reliability, and quality unparalleled in the niche world of growing the best flowers and plants on Earth!

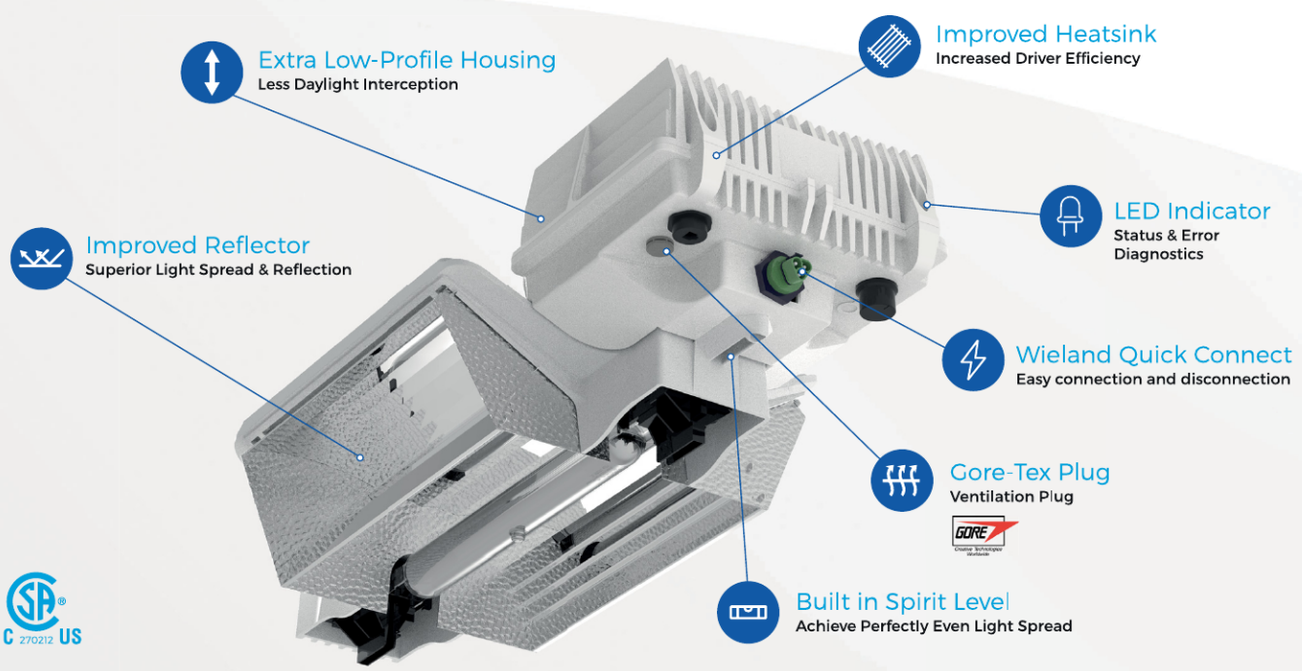
The DLI reflectors are manufactured to have the highest possible total reflectance at all wavelengths from 400 to 700 nm giving excellent PAR rendition. The integrated hemispherical reflectance is over 95% with an absence of iridescence colours in the louvre.

The DLI reflectors are made from an electrochemically brightened high purity aluminium substrate coil, and start with an anodised base coat which gives a hard support to minimize abrasion damage. The material is then treated under vacuum with specially developed processes to maximise coating adhesion and is vacuum coated with a super pure reflection layer of 99.99% pure aluminium.

These reflection layers are overlaid with a dual layer oxide system tuned for maximum visible reflection enhancement. This serves to increase the overall reflectivity provided by the metallic layers and adds protection against damage.

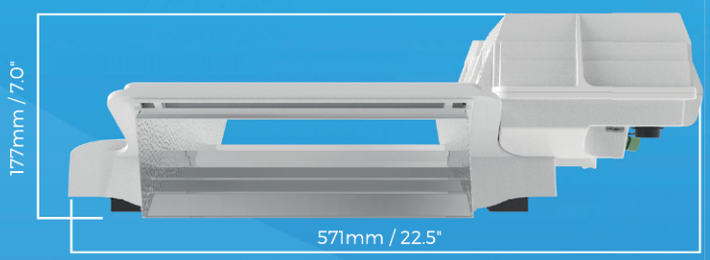
Efficiency and uniformity have been the main focus in the development of the Flowers-only reflector. Each ray of light coming from the lamp will either be transmitted directly to the plants or will only hit the 99,99% pure aluminium once before being transmitted to the plant. The unique design of the DLI reflector and the high uniformity of light the reflector projects results in less hotspots on the canopy and a more even plant growth.

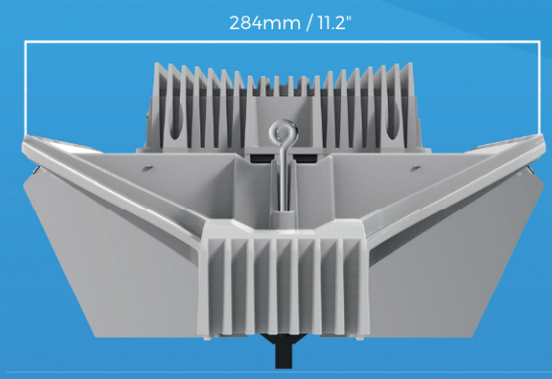




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DLI JOULE-Series
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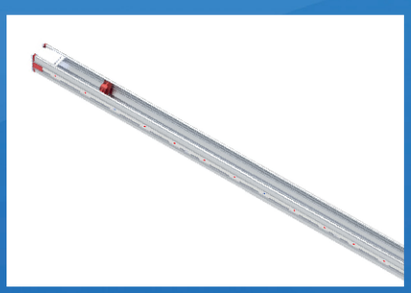
Technical Specifications

DLI JOULE Series 1000W DE 400V Fixture

INPUT VOLTAGE	400V (± 10%)
RATED POWER	1040 W (± 3%)
INPUT FREQUENCY	48 - 63 HZ
POWER FACTOR	> 0.98
INRUSH CURRENT	20 A
OPERATION TEMP	0 - 35°C
RELATIVE HUMIDITY	25 - 70% (NON-CONDENSING)
DIMENSIONS	571 X 284 X 177MM 22.5 X 11.2 X 7.0INCH
WEIGHT	5.2 KG / 11.5 LBS

Also Available from Dutch Lighting Innovations:

DLI DIODE-Series
96W Interlight Fixture



DLM-4 Zone Controller
Daily Lighting Management



DLI CRI-Series
315W CMH Fixture



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