



Dutch Lighting[™]
Innovations



DLI DIODE-Series
96W 120/277V
Interlighting Fixture

Redefining
The Grow Light





Redefining The Grow Light

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.

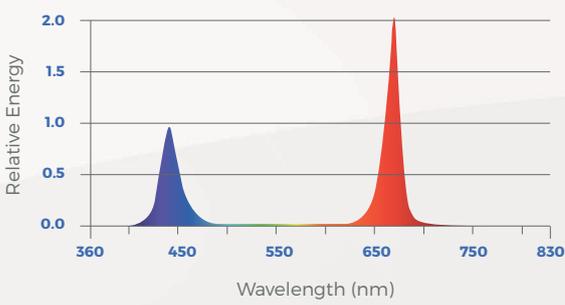
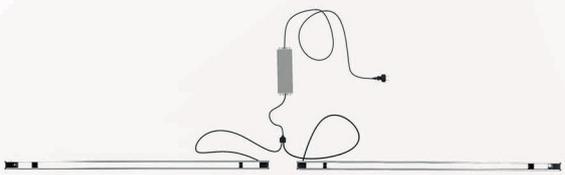
“DLI’s mission is to always create a fixture that surpasses the performance of the competitors, whilst improving the design to suit the purpose.”

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 Dutch Lighting Innovations DIODE-Series Interlighting fixtures is designed to be used in combinations with the DLI JOULE-Series. The combination of top light and intercanopy light provides the plant specific uniform light pattern for a uniform plant.

The LED-spectrum is optimized by DLI for the optimum growth on the bottom of the canopy. By using a passive high cooling surface the durability of the LED's are preserved.



OUR CORE VALUES



RESEARCH & DEVELOPMENT



INNOVATION IN DESIGN



QUALITY & LONGEVITY



CONSTANT IMPROVEMENT



CUSTOMER SATISFACTION

The DLI DIODE-Series 96W Interlight Fixture comes with a 3 year warranty.



How it Works

DLI Interlighting fixtures are designed to deliver high levels of photosynthetic photon flux (PPF) values with optimal angled vertical light uniformity. The Interlighting modules are constructed in a slim water-proof design and suspended between the plant canopy rows with the easy-hang system.

A percentage of harvestable plant height can suffer from lack of light due to dense canopy foliage; which will result in fewer flowers. The DLI Interlighting system will provide High PAR PPF at an optimized coverage angle making sure the whole plant is activated by light; extensive trials have shown bigger leaves and flowers at the lower portions on the plant. The modules emit very little heat and require no active cooling minimizing leaf burn.

THE DLI INTERLIGHTING SYSTEMS KIT CONSISTS OF:

1 x driver & 2 x LED modules: 1 driver powers 2 LED modules

Each module has LED's on both sides and come as standard lengths of 4ft (1.2mtr)

- A simple cable tie can connect the two modules to an 8ft or 2.4mtr continuous bar.
- The DLI Interlighting fixture is rated IP65 and is fitted with a hardwired 9ft or 2.7mtr cable.
- The fixture can be used on any voltage between 90V and 305V. DLI produces fixture with any required powerplug.
- The DLI Interlighting fixture can easily be suspended on the hooks embedded in the fixture.

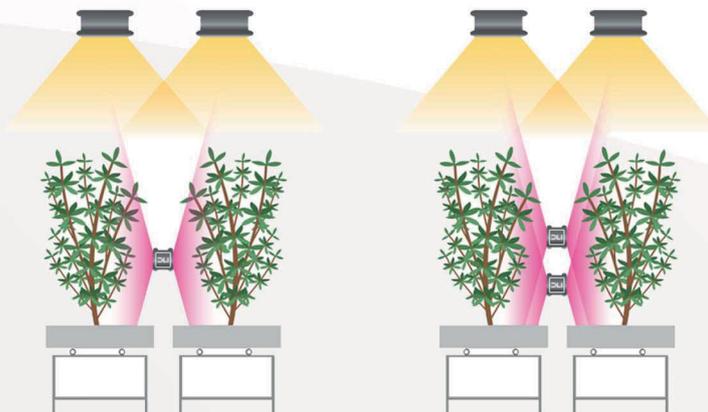
Even light distribution optimises the plant production. The plants will also get stronger roots, develop stronger branches and leaves and increases the absorption of nutrients resulting in more flowers in the bottom part of the plants.

For a uniform plant a uniform pattern is required.

HPS or CDM only give the top leaves of the plants a certain amount of light and even with the best reflectors in the market, only the upper 40% of the plant canopy receives enough light for photosynthesis.

The lower 60% of the plant is living in its own shadow and the bushier the plant gets the less light the lower part of the plant receives. Interlighting is Greenhouse technology and a method that's used in Nordic greenhouses because of lack of natural daylight, indoor cultivation has no natural daylight to supplement photosynthetic photon flux and will benefit greatly from this technology.

Each of the Interlight modules is 4ft or 1.2mtr; the size is ideal for the use on tray and bench-systems and can either be used over the width (4ft or 1.2mtr) of the tray or joined to run over the length (8ft or 2.4mtr) of the tray.



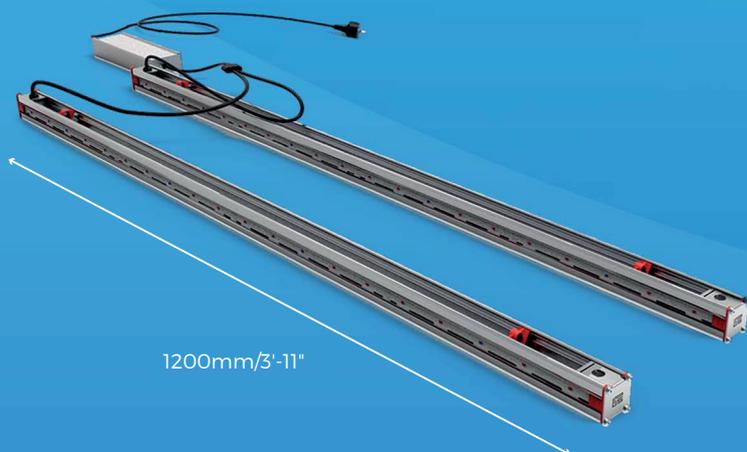
1 x Interlighting Module

Hang each module level and horizontal: Your aim is light spread on the bottom third of the plants foliage.

2 x Interlight Modules

Hang both modules level and horizontal: Your aim is light spread on the bottom two thirds of the plants foliage.

DLI DIODE-Series 96W 120/277V Interlighting Fixture



Technical Specifications

CENTRAL DRIVER + 2 LED LIGHT ENGINE TOPOLOGY

INPUT VOLTAGE:	90 - 305V
INPUT VOLTAGE RANGE:	± 10%
RATED POWER:	96W
FREQUENCY:	50/60 HZ
TYPICAL CURRENT:	0.4A @ 240V
MAXIMUM CURRENT:	1.1A @ 90V
IP RATING DRIVER:	IP67
IP RATING LIGHT ENGINE:	IP65

Also Available from Dutch Lighting Innovations:

DLI JOULE-Series
1000W DE Fixture



DLM-4 Zone
Daily Lighting Management



DLI JOULE-Series 315W
315W LEC Fixture

