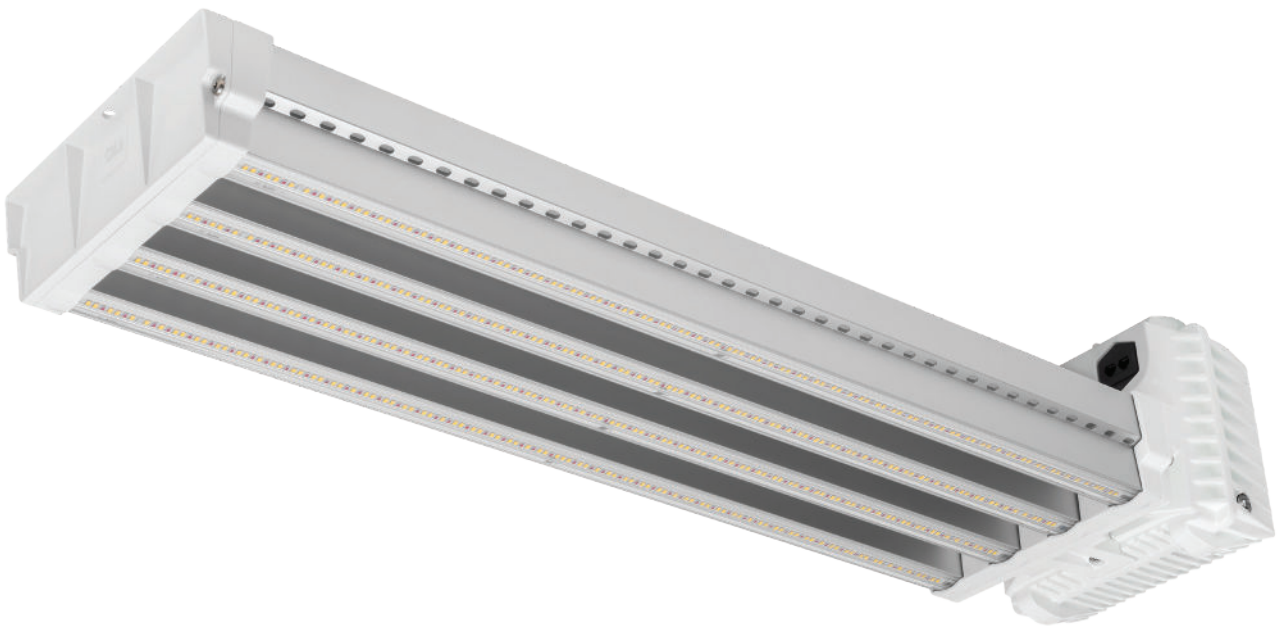




**Dutch Lighting**<sup>™</sup>  
Innovations



DLI APEX-Series

LED TopLighting 800 FS-DC

The First True 1.000W DE HPS Replacement

Redefining  
The Grow Light

Designed and made in The Netherlands

[WWW.DUTCHLIGHTINGINNOVATIONS.COM](http://WWW.DUTCHLIGHTINGINNOVATIONS.COM)



# DLI APEX-Series LED TopLighting 800 FS-DC

Dutch Lighting Innovations introduces the DLI APEX Series 800 FS DC. This is the first 1000W HPS replacement capable of achieving higher light output with less power input. Thanks to the optimum light distribution, this fixture is perfectly suited for use in any situation.

### A broad light spectrum

Thanks to the broad light spectrum, the DLI APEX Series 800 FS DC fixture is ideally suited for growing crops in rooms with little or no incidental sunlight. To still provide the crop with the necessary light colour spectrum, we make exclusive use of the latest generation of OSRAM LEDs, so even in an indoor situation, very high efficiency can be achieved. The fixture also offers a wide dimming range from 30% to 100%. Even at the lowest percentages, high efficiency is maintained.

### Unique light distribution

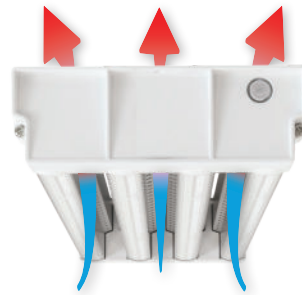
The fixture with its optical lens is able to achieve excellent light distribution. The innovative lens ensures high light uniformity, at every possible height. The wide light distribution makes the fixture perfectly suited for hybrid installation or situations that require the one-to-one replacement of a 1000W HPS fixture. The optical lens retains the light uniformity on the crop, despite this changeover. This eradicates the need to reconfigure the fixture installation, thereby avoiding high installation costs.

### Surprisingly lightweight and compact design

The compact design of this fixture means that it is not only low maintenance and easy to install but also easy to clean. The footprint of the fixture is identical to that of a 1000W HPS fixture and as such can be connected and commissioned, plug and play, as a one-to-one replacement for a 1000W HPS fixture, in an existing installation.

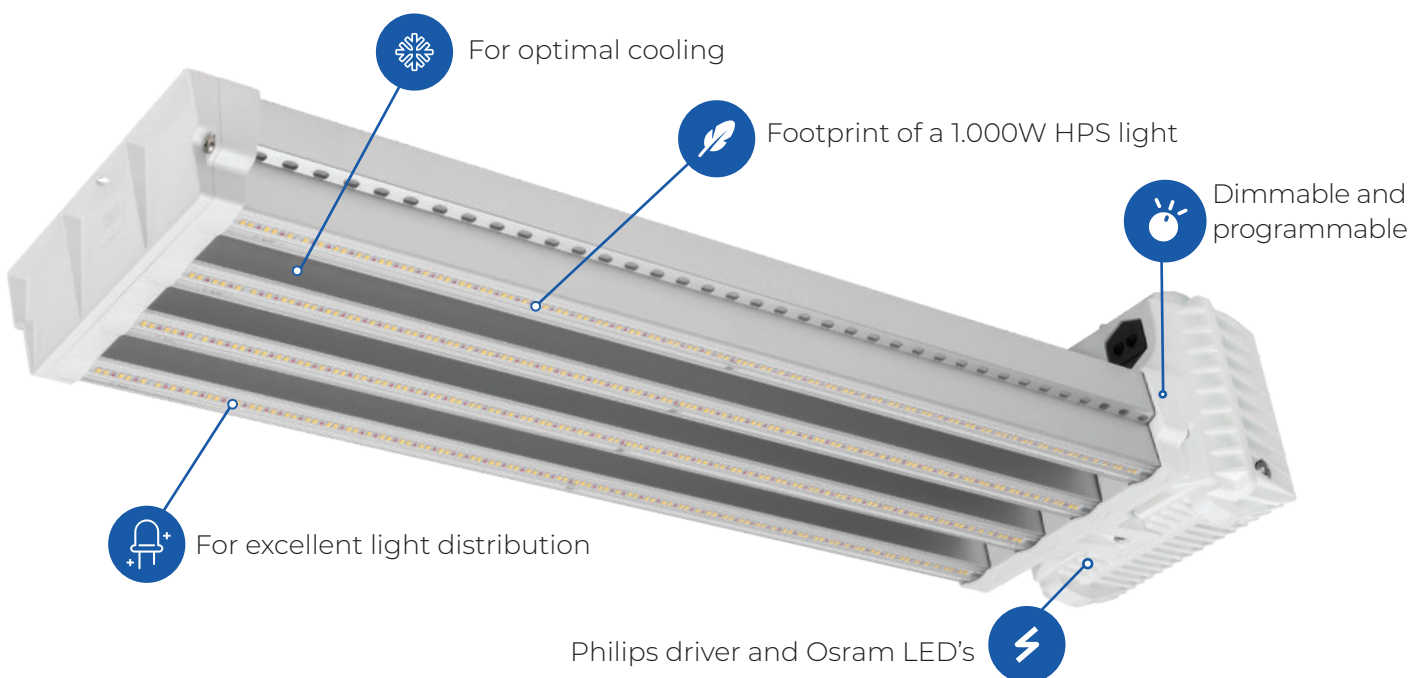
### Unsurpassed cooling

Passive cooling is achieved by the venturi effect brought about by the unique positioning of the LED bars in the fixture. This method, that ensures the optimum cooling performance for the LEDs, is a huge advantage since the temperature of the LED heavily influences the lifespan and reliability of the fixture. Thanks to the unique cooling system in this fixture, we can guarantee optimum reliability and a longer lifespan. Our cooling method is unique. No one can cool fixtures like us.



### Compatible with all existing DLI systems

The fixture is fully compatible with the other products in the DLI portfolio. This fixture communicates seamlessly with the DLI controller, allowing you to easily replace or extend your existing installation with this new fixture.



# Our Core Values

Dutch Lighting Innovations (DLI) is an innovative company that develops and manufactures lighting systems for every grower and every crop. Because our products are manufactured in-house, we can guarantee the reliability of our fixtures. Our innovative growth lighting offers a total solution for every crop

## Quality and reliability

Thanks to the use of high-quality materials and efficient cooling techniques, our LED and HPS fixtures have a longer lifespan than many alternative products. Based on our innovative approach and the ever present ambition to develop new fixtures that outperform the current standard, we deliver a suite of high-quality, reliable fixtures that offer our customers a unique competitive edge.

## Research and development + constant improvement

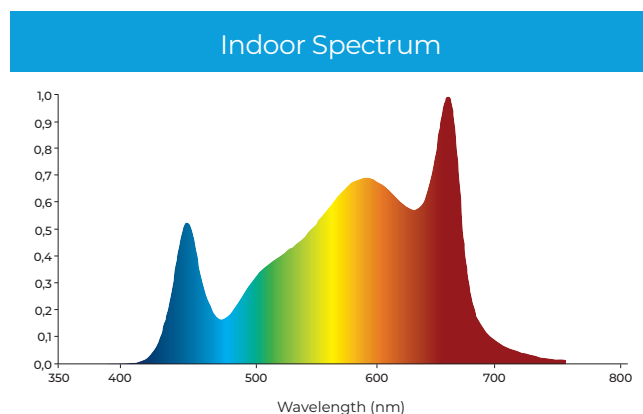
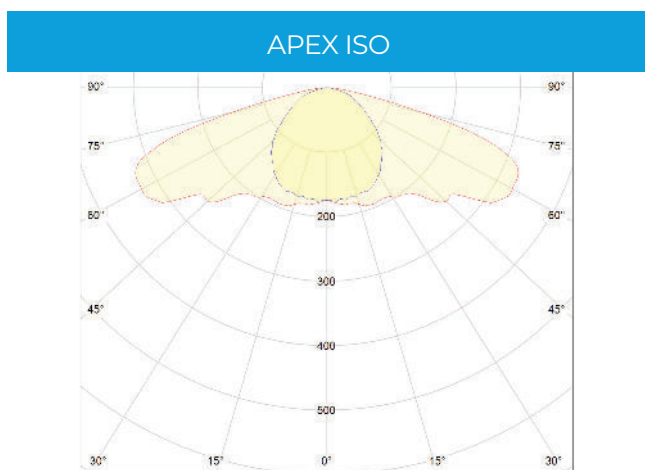
By permanently monitoring developments on the market and the needs of a variety of growers we are able to supply our customers with the most ground-breaking growth lighting. We continue to develop lighting fixtures, perfectly tailored to achieving the targets set.

## Innovative designs

Our fixtures are designed to maximise ease of use. We strive to manufacture simple low-maintenance products that meet the latest technical specifications. As a result, our fixtures are easy to clean and deliver unsurpassed cooling and simple but stable installation.

## Service and customer satisfaction

No two situations are the same. More than any other supplier, we recognise this fact. Our service includes the drawing up of tailor-made lighting plans. DLI will deliver a total solution for indoor applications and professional glasshouse growers. Our experienced team is happy to offer advice on the most appropriate solution.



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

## OUR CORE VALUES



QUALITY & LONGEVITY



RESEARCH & DEVELOPMENT



INNOVATION IN DESIGN



CONSTANT IMPROVEMENT

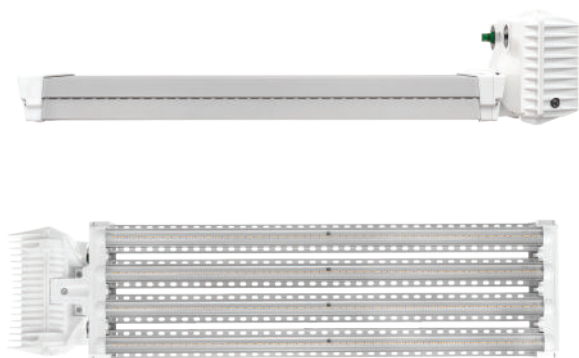


CUSTOMER SATISFACTION

# DLI APEX-Series LED TopLighting 800 FS-DC

## Technical Specifications

DLI APEX-Series LED TopLighting 800 FS-DC	
Spectrum	Full Spectrum
Version	High Efficient
Net Output	2.100 uMol
LED Power	800W
Driver efficiency	>95% @208V
Input Voltage	208-400V
Input Voltage Range	+/-10%
Frequency	50-60 Hz
Inrush Current	<20A
Input Current	4.0-2.1A
Efficiency	2,6 uMol/J
Cooling	Passive
Dimensions	950 x 240 x 195 mm 37,4 x 9,5 x 7,7 inch
Weight	11 kg / 24.25 lb
Power Factor	>0.95 @400V
Dimming	30-100%
IP Rating	IP65
Expected Lifetime	L90 > 50K hr @ 25C/77F
Certifications	CE, CSA, DLC, UL8800 Compliant, UL1598 Wet Loc
Warranty	5 Years



Also Available from **Dutch Lighting Innovations:**

DLI HORTI-Series  
1000W DE-DC



DLI DIODE-Series  
LED Multilayer 600 FS-DC



Designed and made in The Netherlands

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