

# ENFIS UNO NEO LIGHT ENGINE

## Suitable for Biliruben NeoNatal Treatment

### OUTLINE SPECIFICATION

Peak Wavelength  
465nm +/- 5nm

Spectral Width  
25nm FWHM

Power Density on Treatment Surface \*  
>35uW/cm2/nm

Adjustable Working Distance  
0 - 400mm (16in)

Typical Treatment Area\*\*  
Φ300mm (110 square In)

Min to Max Ratio >0.8

Audible Noise Level  
< 55dB @ 400mm working distance

\*measured @ 400mm working Distance  
using Ohmeda Biliblanket Meter

\*\* variable spot size depending on  
optical lens adjustment

Note : Luminous output power specifications are determined by the integrated electronics, power and thermal management systems. Higher Power levels may be achieved with custom assemblies and electronics.

Contact info@enfis.com for further details.

### 25 LED Chip Density Capability

- Single Colour 465nm - Ultra High Power Density
- In-built Thermal Sensing
- Optical Feedback Capability for Auto Power Control
- High Thermal Conductivity System <math><2\text{ }^{\circ}\text{C/W}</math>
- Array Aperture: 7mm x 7mm - Emitting Area: 0.5cm<sup>2</sup>
- Light Engine Package Dimensions: Φ79mm x 80mm(L)
- Low Input Voltage 9 Volt Operation
- Typical Ambient Operating Temperature: +10 <math>\Leftrightarrow</math> +45°C

**Integrated LED Lighting Solution**

**UNO Array**  
0.5cm<sup>2</sup>  
Emitting Area

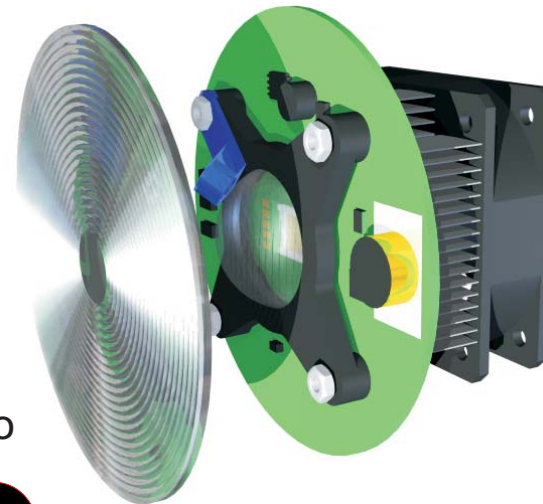
**Integrated Heat Removal System**  
Low Thermal Resistance  
Active Fan Control

**Power**  
9V Battery or  
9V External DC Supply  
35Watts

**Smart Electronics**  
- Active Thermal Feedback  
- Integrated Efficient LED Driver  
- Optical Power Monitoring Input

**Plug & Play**  
- Simple ON/OFF or  
Variable Intensity Control

**Integrated Optical Projection**  
Adjustable Treatment Area



### ENFIS UNO NEO Demo

