



# ENFIS UNO LIGHT ENGINE

## Technical Specification

### Electro-Optical Characteristics

#### Light output power

| Channel | Peak Wavelength (nm) | Typ Light Output (mW) | Typ Light Output (Lumens) |
|---------|----------------------|-----------------------|---------------------------|
| SUV(A)  | 365nm                | 700                   | -                         |
| UV (A)  | 375nm                | 700                   | -                         |
| Violet  | 405nm                | 3900                  | -                         |
| Blue    | 465nm                | 4200                  | 310                       |
| Green   | 520nm                | 1750                  | 750                       |
| Amber   | 595nm                | 1750                  | 800                       |
| Red     | 630nm                | 3300                  | 600                       |
| NIR     | 870nm                | 2900                  | -                         |
| White   | 4100°K               | -                     | 850                       |

#### Technical Specification

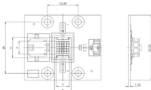
Operating Temperature 0°C - 45°C\*

Storage Temperature -20°C - +85°C

#### Input

Input Voltage 24v DC <3A

#### Array



#### Driver



#### LED Driver

Efficient LED driver based on switch mode technology

Temperature monitoring and control

PWM dimming input

Analogue dimming input

#### Thermal Management

Array mounted on thermally conductive PCB

Driver heatsink integrated into case

#### Handling LED Array

Contact with the encapsulant on the surface of the LED array must be avoided to prevent damage. Do not apply pressure to the encapsulant or allow it to come into contact with the sharp objects.

Using operation of the encapsulant will be riot and contact should be avoided.

#### Static Electricity

Care must be taken when handling, these products are sensitive to static electricity. Observe static handling precautions



#### Cleaning

Avoid touching the LED array surface.

To clean – BLOW surface with either dry air or nitrogen gas

#### Eye Safety Precautions

The light output of the products may cause injuries to human eyes in circumstances where the products are viewed directly with unshielded eyes for more than a few seconds.



Please refer to IEC 60825-1:2001 for further information.

\* dependant on efficiency of integrator's heatsinking

Specifications contained in this document are for guidance purposes and subject to change at the discretion of Enfis

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# ENFIS



UNO Light Engine Rev. 3, May, 08



# ENFIS UNO LIGHT ENGINE

Smart, compact, efficient, high-power LED spot source - total solution

## Features & Benefits

- 'Useable' light from a high-power spot source
- Total solution
- Rapid low-risk integration with:
  - Array on connectorized PCB with mounting holes
  - Separate housed driver module

## Array

- Spot source: 0.5cm<sup>2</sup> emitting area
- Neutral white (4,100K)
- R, G, B, A, UV, IR
- Embedded thermal protection
- Long life and reliable performance

## Driver

- Safe - low-voltage system
- PWM and Analogue dimming inputs
- Smart thermal management
- 25W

## Applications & Markets

- Lighting
  - Entertainment
  - Retail
  - Exterior
  - Street lighting
- Medical
  - Skin treatment
  - Operating Room lighting



## Classification

Typical Light Output

- 3000mcd
- 4000mcd
- 1000mcd
- 1750mcd
- 2000mcd
- 2600mcd
- 2800mcd
- 2800mcd

## Outline Specifications

Wavelength

- 400nm
- 410nm
- 420nm
- 430nm
- 440nm
- 450nm
- 460nm
- 470nm
- 480nm
- 490nm
- 500nm
- 510nm
- 520nm
- 530nm
- 540nm
- 550nm
- 560nm
- 570nm
- 580nm
- 590nm
- 600nm
- 610nm
- 620nm
- 630nm
- 640nm
- 650nm
- 660nm
- 670nm
- 680nm
- 690nm
- 700nm
- 710nm
- 720nm
- 730nm
- 740nm
- 750nm
- 760nm
- 770nm
- 780nm
- 790nm
- 800nm
- 810nm
- 820nm
- 830nm
- 840nm
- 850nm
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- 870nm
- 880nm
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- 1980nm
- 1990nm
- 2000nm

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