



ENFIS UNO AIR-COOLED LIGHT ENGINE

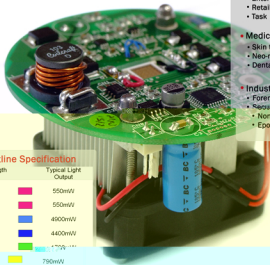
Smart, compact, efficient, high-power LED spot source - total solution

Features & Benefits

- **Plug & Play**
 - Just plug in and go straight from the box!
 - Ideal for product development and volume
 - Reduces integration time and risk
- **USB connection for monitoring input, output and temperature**
- **Neutral White**
- **Single colours 365nm - 870nm**
- **Ultra high density Array up to 100 chips within 0.5cm² aperture**
- **Smart thermal protection system**
- **Optional life-long 100% Lumen maintenance**
- **18-36W**
- **Long life, low maintenance**
- **System 3-year warranty**

Applications & Markets

- **Lighting**
 - Entertainment
 - Retail
 - Task
- **Medical**
 - Skin treatment
 - Neo-natal
 - Dental applications
- **Industrial**
 - Forensics
 - Research, prot. & simulation
 - Non-Destructive Testing
 - Epoxy/adhesive curing



Outline Specification

Wavelength	Typical Light Output
365nm	550mW
375nm	550mW
405nm	4900mW
465nm	4400mW
520nm	1700mW
595nm	790mW
630nm	2180mW
870nm	1810mW
4100°K	1000 lumens

ENFIS LIMITED
TECHNUM 2, KING'S ROAD
SWANSEA WATERFRONT
SWANSEA SA1 8PU UK

TEL: +44 (0)1792 485660
FAX: +44 (0)1792 486537
WWW.ENFIS.COM

ENFIS 

UNO Air-Cooled Light Engine Rev. 3 May 08



ENFIS UNO AIR-COOLED LIGHT ENGINE

Technical Specification

Dimensions

Output power

Peak Wavelength	Type	Light Output (lm/20°)	Light Output (lx/20cm)	Total Electrical Power
365nm	UV	350	-	18
375nm	UV	350	-	18
405nm	UV	4900	-	36
460nm	Blue	4880	270	36
520nm	Green	1700	825	36
590nm	Amber	790	395	18
630nm	Red	2250	410	18
670nm	NIR	1810	-	18
1000°K, 1000°K	Warm	-	1000	36

Technical Specification

Operating Temperature: -10°C - 45°C

Storage Temperature: -20°C - 85°C

Power Under Load (at 20°C)

Input

Input Voltage

Blue / Green / Violet / UVA / White: 12V < 5A DC

Red / Amber: 5V < 5A DC

NIR: 5V < 5A DC

PCB

ENFIS UNO is powered by a high quality aluminum PCB with a cooling and anti-static function.

Quality

ENFIS UNO is built with high quality components.

Management

ENFIS UNO is powered with a high quality power DC-DC converter.

ENFIS UNO is powered with a high quality power DC-DC converter.

ENFIS UNO is powered with a high quality power DC-DC converter.

LED Array

ENFIS UNO is powered with a high quality LED array. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips.

Static Electricity

ENFIS UNO is powered with a high quality LED array. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips.



Cleaning

ENFIS UNO is powered with a high quality LED array. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips.

Eye Safety Precautions

ENFIS UNO is powered with a high quality LED array. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips.



ENFIS UNO is powered with a high quality LED array. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips.

ENFIS UNO is powered with a high quality LED array. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips. The LED array is made of high quality LED chips.



© 2024 ENFIS. All rights reserved. ENFIS UNO

Light

Colors

- UV-A
- UV-B
- UV-C
- Blue
- Green
- Amber
- Red
- NIR
- WIBA

Temp

Operating

Storage

Power

LED Driver

Operating

Storage

Power

Connectivity

Operating

Storage

Power

Thermal

Operating

Storage

Power

Handling

Operating

Storage

Power

Thermal

Connectivity

Dimensions

Weight

Material

Finish

Color

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture

Shape

Size

Weight

Material

Finish

Texture