



ENFIS UNO PACO LIGHT ENGINE

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

Features & Benefits

- 'Useable' light from a high-power spot source
- Total solution
- System 3-year warranty
- Rapid low-risk integration with:
 - Array on connectorized PCB with mounting holes
 - Separate housed driver module

Array

- Spot source: 0.5cm² emitting area
- Neutral white (4,100K)
- R, G, B, A, UV, IR
- Embedded thermal protection
- Long life and reliable performance








Driver

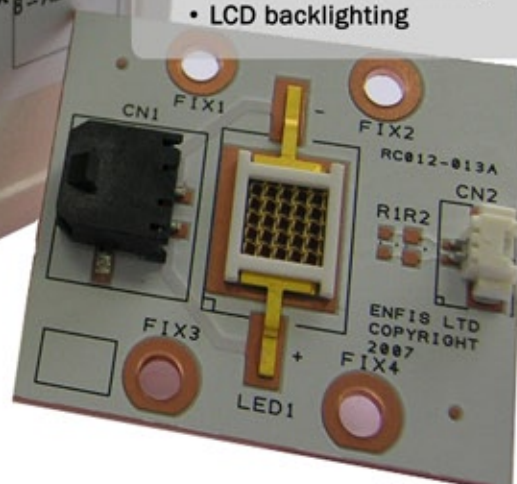
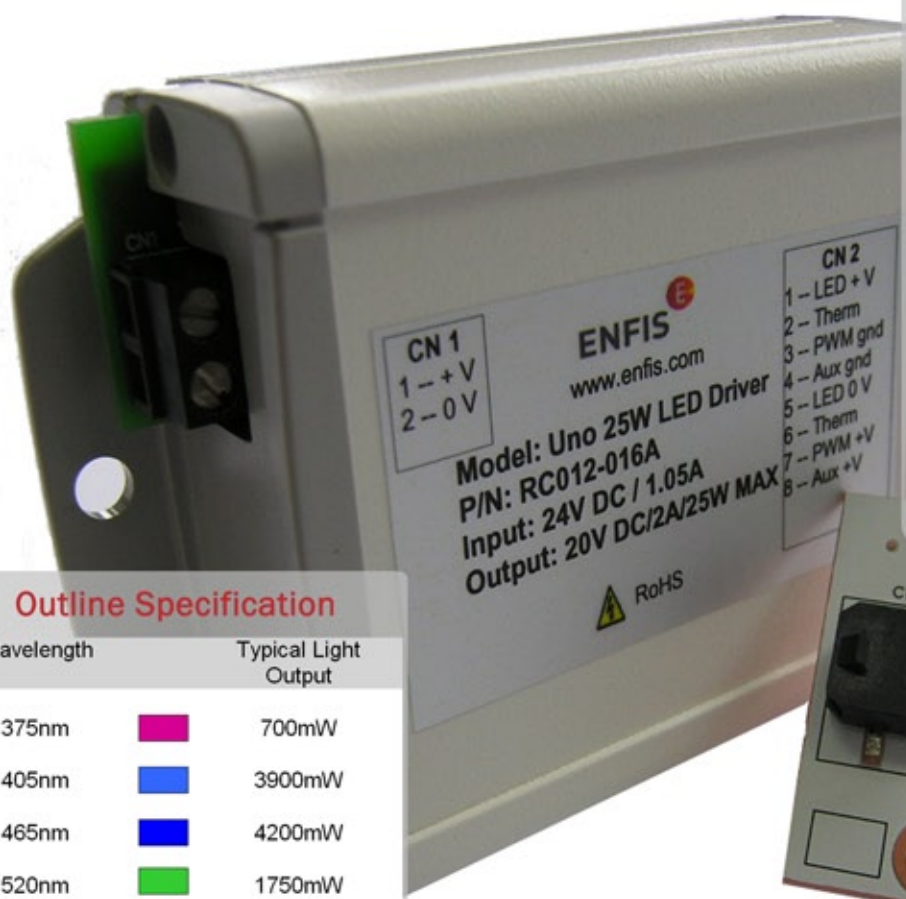
- Safe - low-voltage system
- PWM and Analogue dimming inputs
- Smart thermal management
- 25W

Applications & Markets

- Lighting
 - Entertainment
 - Retail
 - Exterior
 - Street lighting
- Medical
 - Skin treatment
 - Operating Room lighting
 - Neo-natal
 - Dental applications
- Industrial
 - Forensics
 - Security and surveillance
 - Non-Destructive Testing
 - LCD backlighting

Outline Specification

Wavelength		Typical Light Output
375nm		700mW
405nm		3900mW
465nm		4200mW
520nm		1750mW
595nm		1750mW
630nm		3300mW
870nm		2900mW
4100°K		850 lumens



ENFIS LIMITED
TECHNIUM 2, KING'S ROAD
SWANSEA WATERFRONT
SWANSEA SA1 8PJ UK

TEL +44 (0)1792 485660
FAX +44 (0)1792 485537
WWW.ENFIS.COM


ENFIS

UNO PACO Light Engine Rev. 2, Jan 08



ENFIS UNO PACO LIGHT ENGINE

Technical Specification

Electro-Optical Characteristics

Light output power

Channel	Peak Wavelength	Typ Light Output (mW)	Typ Light Output (Lumens)
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	-
RGBA	4100°K	-	850

Technical Specification

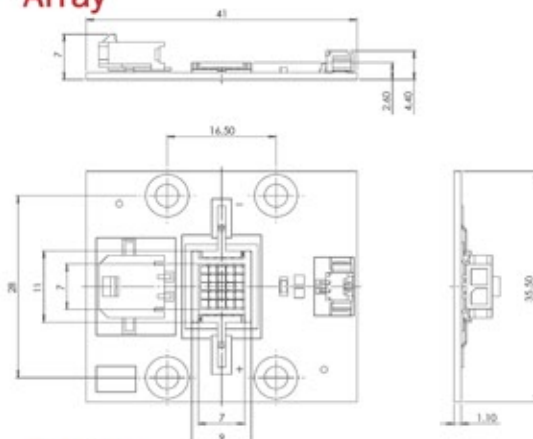
Operating Temperature 0°C - 45°C*

Storage Temperature -20°C - +85°C

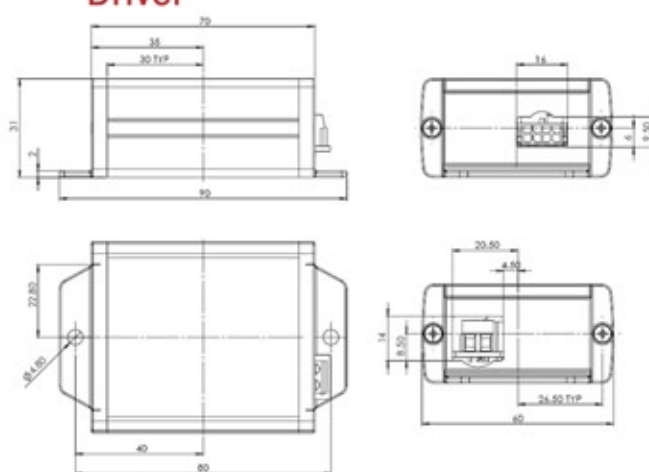
Input

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. During operation the encapsulant will be hot 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

ENFIS LIMITED
TECHNIUM 2, KING'S ROAD
SWANSEA WATERFRONT
SWANSEA SA1 8PJ UK

TEL +44 (0)1792 485660
FAX +44 (0)1792 485537
WWW.ENFIS.COM

ENFIS

UNO PACO Light Engine Rev. 2, Jan. 08