



Affordable

Compact

Reliable

IP5X

CE

dLmSTART

Essential Diode Laser Module

INTRODUCTION

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PART NUMBERING

STANDARD VERSION

DLM-START	- XX	- ZZZ	- YYY
	Power (mW)	Wavelength (nm)	Spot at aperture (mm)
	1	515	5X2 Square
	3	635	Ø2 Disk
	5	650	Ø3 Disk
	10		
	(depends on the wavelength)		

AVAILABLE VERSIONS & OPTIONS

ELECTRONIC OPTIONS	
TTL Trigger Input	DLM-START-XX-ZZZ-YYY- TTL Synchronize the light trigger with an external analogic source.

GENERAL SPECIFICATIONS



Illumination Mode	Continuous or synchronized with TTL trigger
Wavelengths	Green (515nm), Red (635nm & 650nm)
Beam divergence	< 0.5 mrad (typ)
Adjustable focus	Yes
Input current	see the corresponding table (page 4)
Connector(s)	M12 - 4 pins
Weight	8g
Dimensions	Ø11 x 37
Operation environment	Temperature: -10°C to 45°C - Humidity: 20 to 85%RH (with no condensation) - Altitude: Up to 2000m
Storage environment	Temperature: -10° to 80°C - Humidity: 20 to 85%RH (with no condensation)
Informations	Overvoltage category I - Protective class III - Pollution degree 3
Regulations & Marking	CE - UKCA
Environmental Standards	RoHS Directives (2011/65/EU, 2015/863/EU and China RoHS) - REACH Regulation - WEEE Regulation
Country of Origin	UK

OPTICAL SPECIFICATIONS

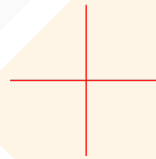
MASK AND PATTERN PROJECTION



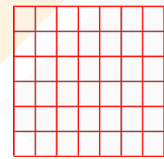
Random patterns



Single lines
(continuous or dots)



Cross



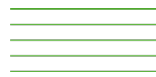
Grid



Circles



Viewfinders



Multiple lines



Dot array

N.B :

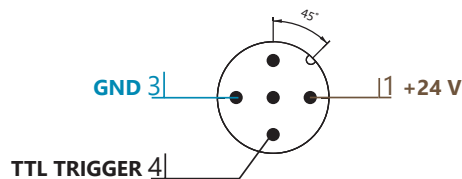
- Other patterns can be designed on demand.
- Colors are indicatives for the examples but can be adapted. However, one mask can only be used for one given wavelength.

ELECTRONICAL SPECIFICATIONS

CONTACT ARRANGEMENT

All the products of the DLM range are supplied with a 24V DC constant voltage.

M12 5pins - male connector



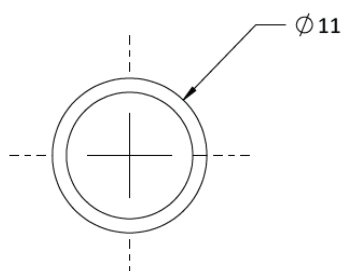
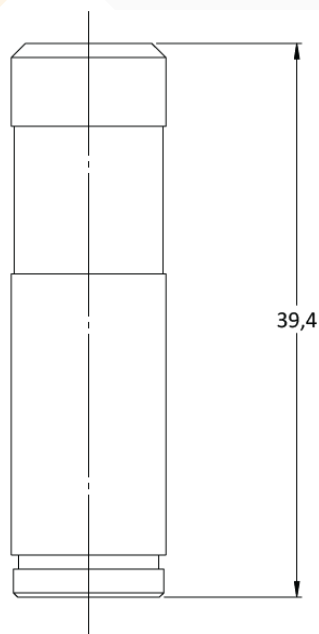
POWER CONSUMPTION

Wavelength	515nm	635nm	650nm
Operating current	60mA	35mA	25mA

TTL TRIGGER SYNCHRONIZATION

Max frequency	1kHz
Rise time	$\leq 1 \mu s$
TTL ON / OFF	TTL OFF : 0-5V / TTL ON : >5V

MECHANICAL SPECIFICATIONS (DIMENSIONS IN MM)



Please refer to the specific documentation (datasheet, user manual and drawing) for complementary information. Contents of this document are based on information available as of Septembre -2026 and may be changed without prior notice.



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