

# NIR DESIGNATOR / ILLUMINATOR

## [ ARSENIC LM Series ]

UK MADE



### IDENTIFICATION DATA

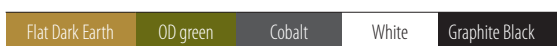
Type	ARSENIC	ARSENIC
Reference number	L91M15	L94M15
NSN	5855-47-000-8688	5855-47-000-8690
Type	ARSENIC	ARSENIC
Reference number	L98M15	L10M15
NSN	5855-47-000-8692	5855-47-000-8694

### DESCRIPTION

The ARSENIC LM Series is a long range, covert laser designator, illuminator and pointer working in NIR band. It provides powerful and adjustable laser beam ideal for target marking and illumination at distances up to 15 km. The ARSENIC LM Series can be operated as handheld, weapon or tripod mounted device. It has multiple operation modes including remote control via RS232 interface and external power supply option. Benefits: Modular design – removable battery compartment; Powerful beam; Full remote control; Covert.



Custom colors available:



### LASER SPECIFICATIONS

		L91M15	L94M15	L98M15	L10M15
Wavelength	nm	915	940	980	1064
Working modes		Low - Medium - High - Pulse			
Max. output power	W	0,5 - 1,1 - 2 - 2			
Beam divergence (Narrow)	mrad	1,5	1,5	1,5	1,5
Beam divergence (Wide)	mrad	40	40	40	40
Pulse Mode		4 to 6 Hz, 40 - 60% duty factor			
Working distance (Narrow)	km	Up to 15 km			

### SAFETY SPECIFICATIONS

		Class IV (ANSI CLASS 4) (at 2 W Max power)			
NOHD (10s exposure)	m	530	517	500	389
NSHD (10s exposure)	m	42	42	42	42
Ocular MPE	W/m <sup>2</sup>	27,3	30,6	36,8	50,6
Skin MPE	W/m <sup>2</sup>	2000	2000	2000	2000

### POWER SUPPLY

Internal	AA batteries	4
External	VDC	4,5-30
Power consumption	W	<6
Run time		1 h 40 min (high mode, with lithium batteries)

### ENVIRONMENTAL

IP Rating	Manufactured to IP67
Operating temperature	-32°C to +50°C
Storage temperature	-40°C to +70°C

### DIMENSIONS, CONNECTORS, WEIGHT & MOUNTING

Length x Width x Height	250 x 55 x 65 mm
Mounting system	Picatinny Rail (MIL-STD-1913), Standard 1/4-20 tripod thread
Weight (without batteries)	700 g
Connectors	External power supply; RS232 serial interface; External fire switch (7 pin "Binder" 712/702 connector).

### FOR ENQUIRIES

Brolis Photonics Solutions Ltd. Phone +44 7548 880693  
 Willowbank Business Park, info@b-photonics.com  
 Larne, County Antrim, BT40 2SF www.b-photonics.com  
 Northern Ireland