

SWIR DESIGNATOR / ILLUMINATOR [PHOSPHORUS LM Series]

UK MADE



IDENTIFICATION DATA

Type	PHOSPHORUS	PHOSPHORUS
Reference number	L15M15	L16M15
NSN	5855-47-000-8696	5855-47-000-8698

DESCRIPTION

The PHOSPHORUS LM Series is a long range, covert laser designator, illuminator and pointer working in SWIR band. It provides powerful and adjustable laser beam ideal for target marking and illumination at distances up to 15 km. The PHOSPHORUS 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 with low NOHD of 30 m; Full remote control; Covert.

LASER SPECIFICATIONS

		L15M15	L16M15
Wavelength	nm	1550	1625
Working modes		Low - Medium - High - Pulse	Low - Medium - High - Pulse
Max. output power	W	0,3 - 0,6 - 1,3 - 1,3	0,3 - 0,6 - 1,3 - 1,3
Beam divergence (Narrow)	mrاد	1,5	1,5
Beam divergence (Wide)	mrاد	40	40
Pulse Mode		4 to 6 Hz, 40 - 60% duty factor	4 to 6 Hz, 40 - 60% duty factor
Working distance (Narrow)	km	Up to 15 km	Up to 15 km

SAFETY SPECIFICATIONS

		Class IV (ANSI CLASS 4)	Class IV (ANSI CLASS 4)
NOHD (10s exposure)	m	30	30
NSHD (10s exposure)	m	30	30
Ocular MPE	W/m ²	1000	1000
Skin MPE	W/m ²	1000	1000

POWER SUPPLY

Internal	AA batt.	4	4
External	VDC	4,5-30	4,5-30
Power consumption	W	<7	<7
Run time (high mode, with lithium batteries)		1 h 40 min	1 h 40 min

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

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Custom colors available:

Flat Dark Earth OD green Cobalt White Graphite Black