

Xtruder OWL

NSN.nr: 6230-22-633-2140 / 6230-22-633-2130

Ocular Warning Light

Xtruder OWL is a multispectral, digital LED illuminator available in various configurations, including visible, infrared or a combination of visible and IR light. The IR capacity include wavelengths in the range of 810 – 1650 nm, from NIR to SWIR. The product design allows the user to switch from visible to IR illuminators remotely.

Xtruder OWL can be integrated as a part of an EO/IR module or delivered with an analogue control panel for seamless operation. The Xtruder OWL is easily integrated to existing platforms with multiple interface options e.g. RS422 or RS485.

Xtruder OWL offers multiple output mode control options, including strobe, increase/decrease and on/off. With standard configuration, the Xtruder white LED light will reach 0,25 lux at 2300 meters with power consumption of only 85 Watts.

The housing is made from high-grade corrosion resistant aluminium with a hard-anodized surface treatment, that ensures an extraordinary surface hardening against wear, tear, and corrosion. The Xtruder product portfolio meets the MIL-810H military standard for environmental testing, including exposure to pressure, temperature, salt water, sand and dust, shock, vibration and more.

Besides that, Xtruder military portfolio products meet the highest requirements for electromagnetic interference according to EMC EU directives and military standards, as well as IP68, for prolonged immersion in water.

Xtruder OWL is ITAR-free, and is not controlled by export regulations.



Product features



Fully digital illuminators



Modular & upgradable



Dual, integrated output



Instant IR, including NIR or SWIR



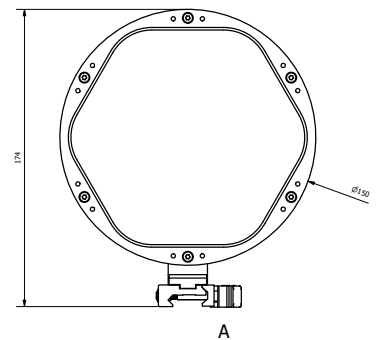
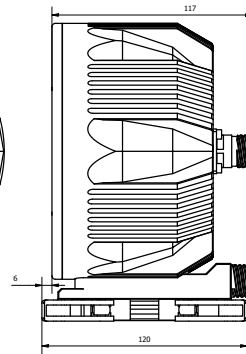
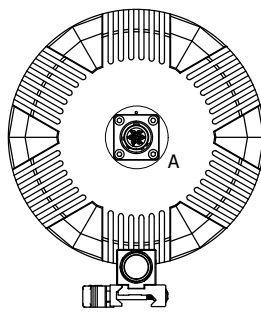
Minimal lifetime maintenance



Strobe and pulse functions



Low weight, low power consumption & thermal signature



Specifications	VIS	VIS / IR	IR
Height	175mm / 6,88 inches		
Length	123mm / 4,84 inches		
Width	150mm		
Weight	1958 gram / 4,31lbs		
Surface Treatment	MIL-A8625 Type III Class 2 Black 50my ±10		
MILSTD 461E/F	461E/F, 810G/H, 1275D, 1275SE		461E/F (VG95370), 810G/H, 1275D, 1275SE
Input range (DC)	12-32V		
Power consumption Watt	85 W	73 W	28 W
Lumen	6000	5200	n/a
Divergence	2,4 FWHM: Full Width Half Maximum		
Luminous intensity	1420.000 cd	1220.000 cd	n/a
Range (ANSI NEMA FL1)	0,25 lux @ 2383m	0,25 lux @ 2205 m	+750 meters
Color temperature	5700 Kelvin		n/a
Infrared output		1,4W @ 850nm (Optional: 940nm)	9,8 W @ 850nm
Cable specification	AVG16, double shielded and braided		
IR LED options	810-1650nm		
Connector	38999 Shellsize 11.		
Digital interface	RS422		
NSN number	6230-22-633-2140	6230-22-633-2130	6230-22-633-2216
Art. number			

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