

## WARNING

**UV LEDs**

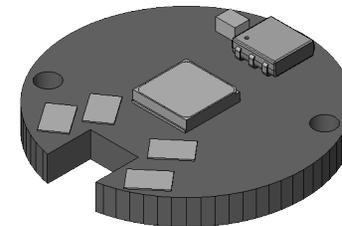
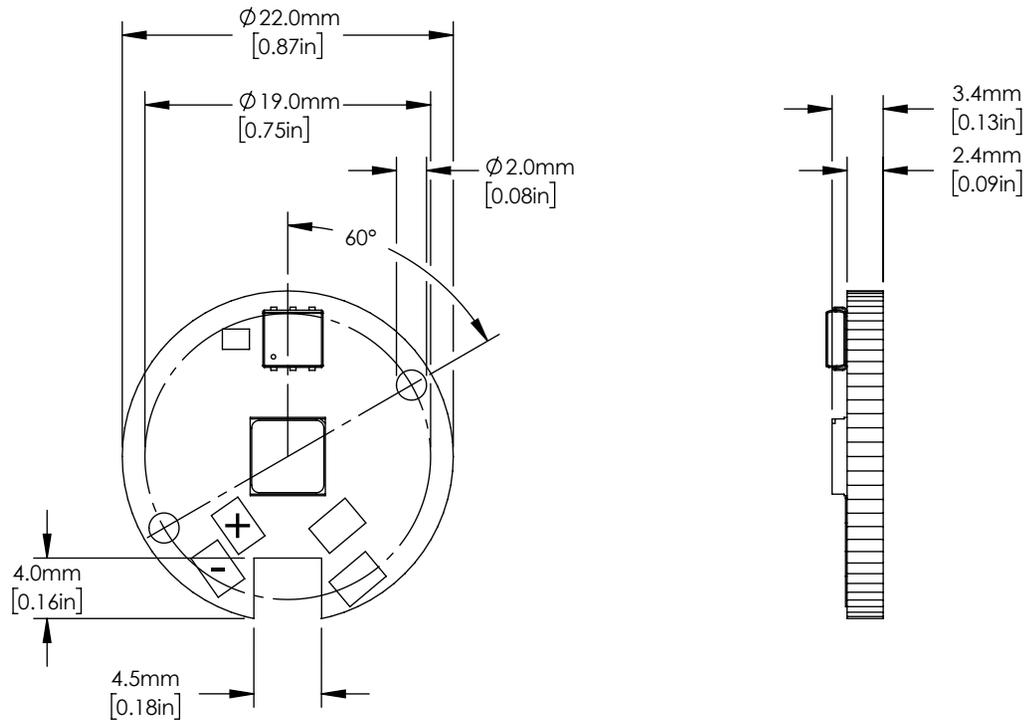
UV emitted from this product. Avoid eye and skin exposure to unshielded products.

**VIS LEDs**

Possibly hazardous optical radiation emitted from this product. Do not look at operating lamp. Eye injury may result.

## CAUTION !

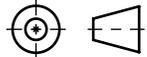
TO ENSURE PROPER HEAT MANAGEMENT,  
MOUNT THE METAL-CORE PRINTED CIRCUIT BOARD (MCPCB) TO AN ADEQUATE HEAT SINK



Item #	Color	Nominal Wavelength*	Minimum Power LED Output	Typical Power LED Output	Maximum Current (CW)	Forward Voltage	Bandwidth (FWHM)	Typical Lifetime	MCPCB Thickness	Risk Group According to the IEC Standard 62471:2006 **
M490D3	Blue	490 nm	205 mW	240 mW	350 mA	3.8 V	26 nm	>10 000 h	2.4 mm	RG2 - MODERATE RISK GROUP

\* The specifications listed in the table above are nominal values.  
 \*\* Photobiological Safety of Lamps and Lamp Systems

FOR INFORMATION ONLY  
NOT FOR MANUFACTURING PURPOSES

DRAWING PROJECTION			<b>THORLABS</b> www.thorlabs.com	
	NAME	DATE	490nm LED ON MCPCB	
DRAWN	Hit.	13/FEB/18		
APPROVAL	SB	13/FEB/18	MATERIAL	-
COPYRIGHT © 2018 BY THORLABS			ITEM #	REV B
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS			M490D3	APPROX WEIGHT 2 g