

## WARNING

**UV LEDs**

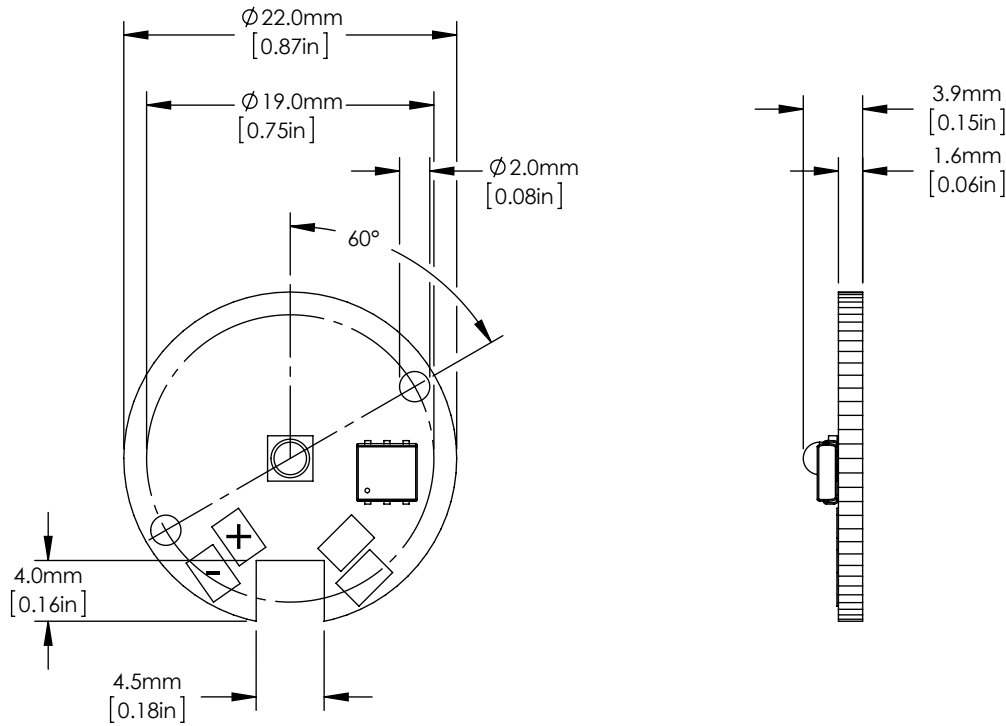
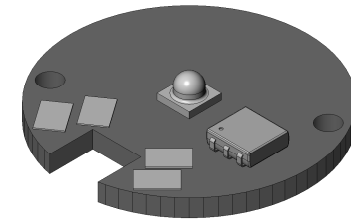
UV emitted from this product. Avoid eye and skin exposure to unshielded products.

**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	Dominant Wavelength*	Minimum Power LED Output	Typical Power LED Output	Test Current for Typical LED Power	Maximum Current (CW)	Forward Voltage	Bandwidth (FWHM)	Typical Lifetime	MCPCB Thickness	Risk Group According to the IEC Standard 62471:2006 **
M505D2	Cyan	505 nm	400 mW	440 mW	1000 mA	1000 mA	3.3 V	30 nm	100 000 h	1.6 mm	RG1 - LOW 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			 		 www.thorlabs.com	
	NAME	DATE	505nm LED ON MCPCB			
DRAWN	Hit.	15/SEP/15	MATERIAL		-	
APPROVAL	KB	02/OCT/15				
COPYRIGHT © 2015 BY THORLABS			ITEM #		APPROX WEIGHT	
VALUES IN PARENTHESIS ARE CALCULATED AND MAY CONTAIN ROUND OFF ERRORS						
			M505D2		2 g	