

## GABRIELLA-MIDI-O

~12+40° oval beam with holder and installation tape

### SPECIFICATION:

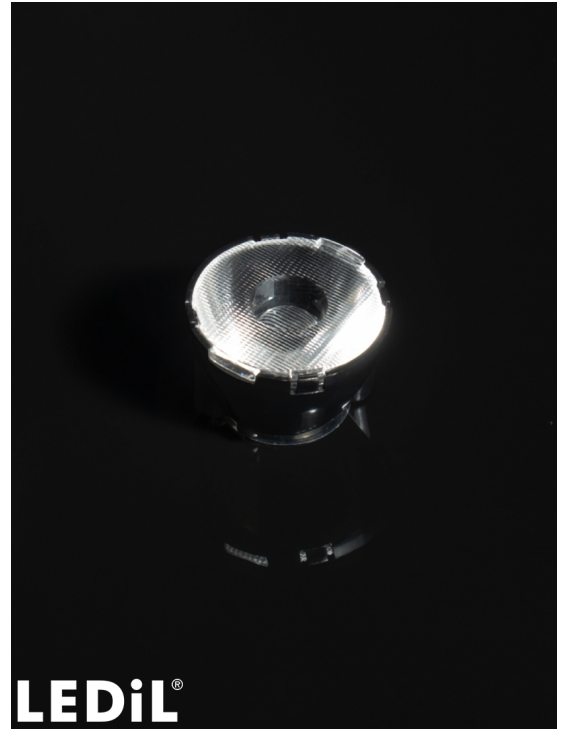
Dimensions	Ø 37.8 mm
Height	24.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

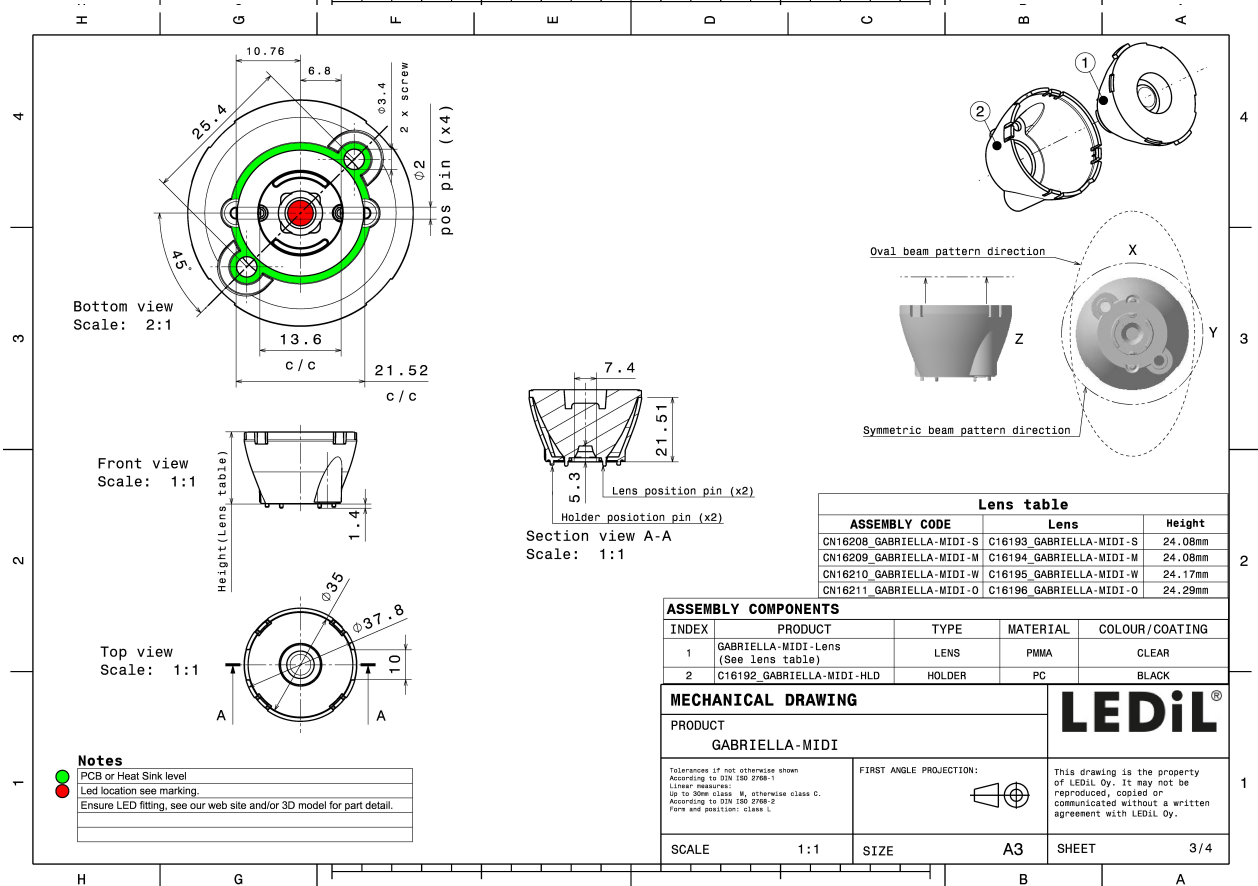
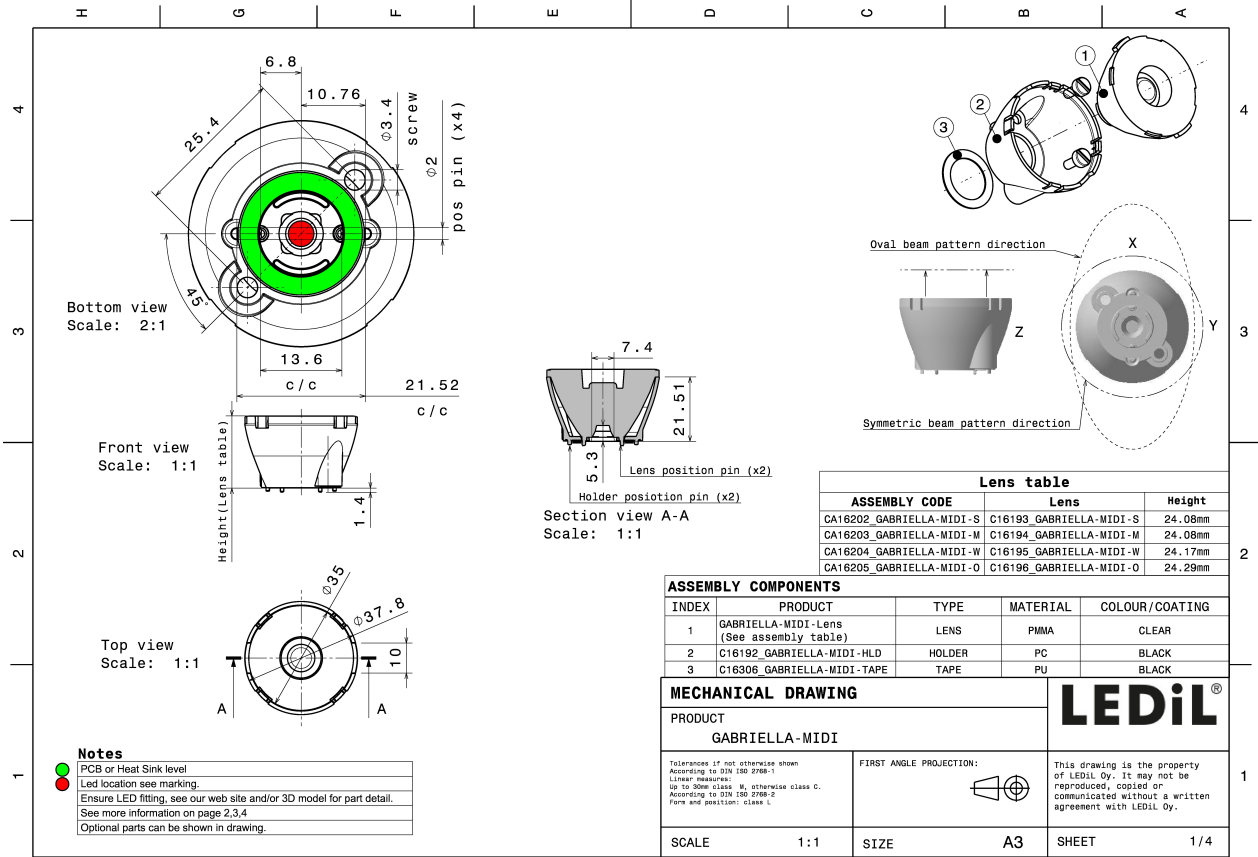
### MATERIALS:

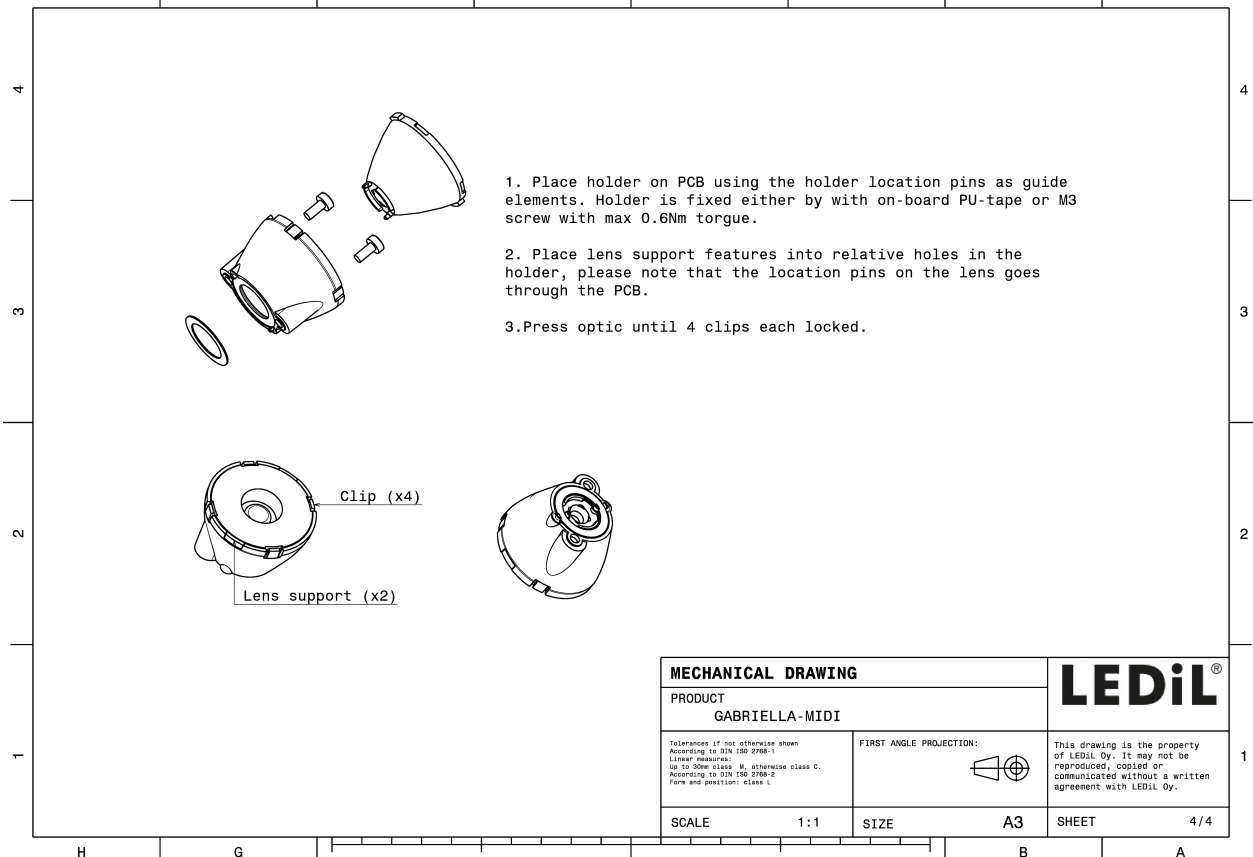
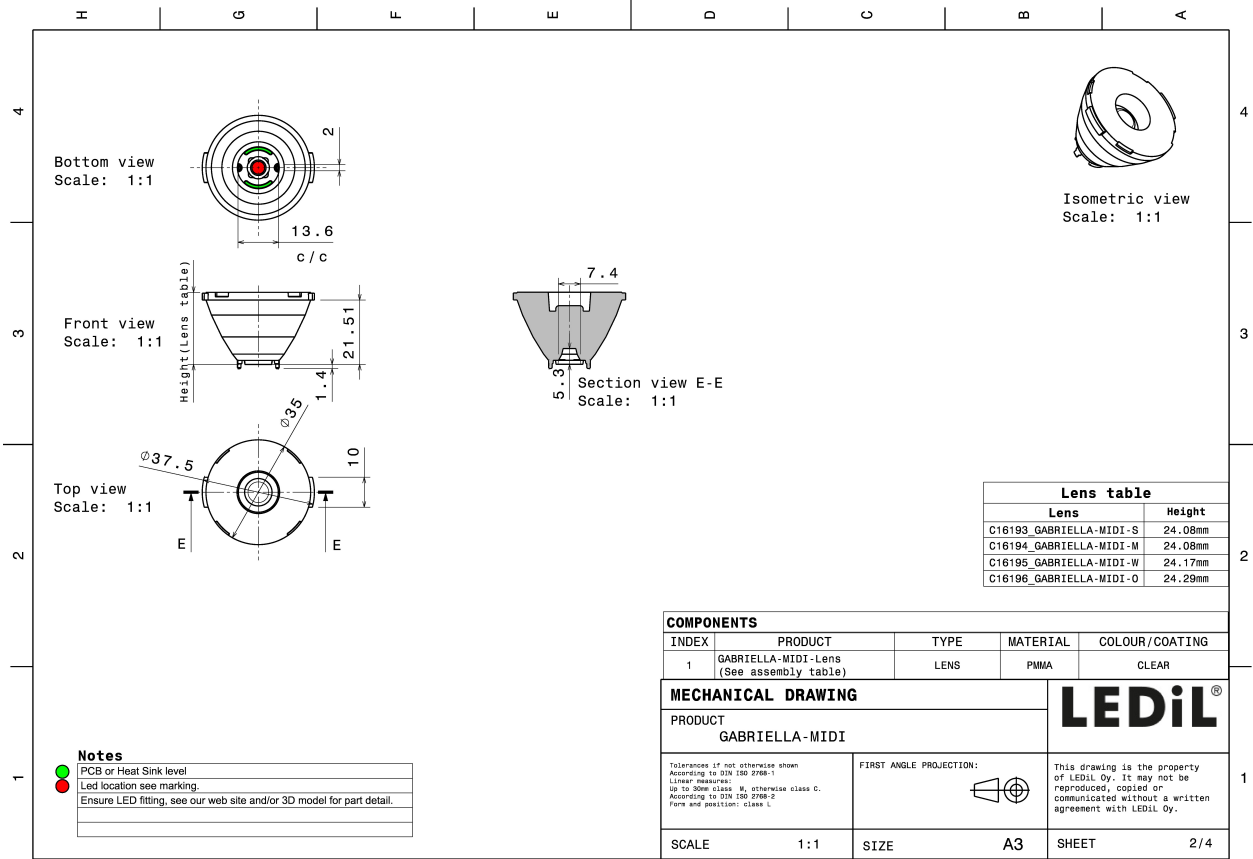
Component	Type	Material	Colour	Finish
GABRIELLA-MIDI-O	Single lens	PMMA	clear	
GABRIELLA-MIDI-HLD	Assembly	PC	black	

### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA16205_GABRIELLA-MIDI-O » Box size: 476 x 273 x 292 mm	Single lens	500	100	50	10.9


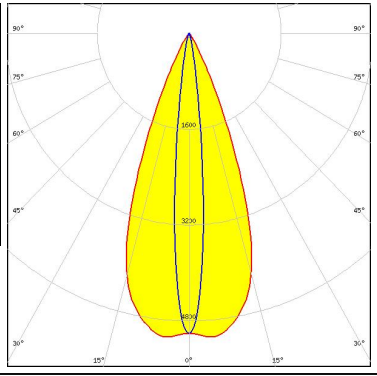

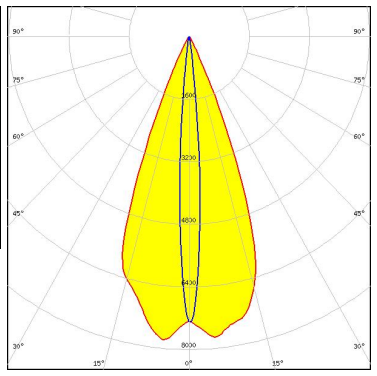

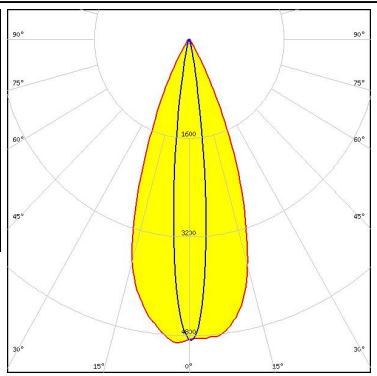

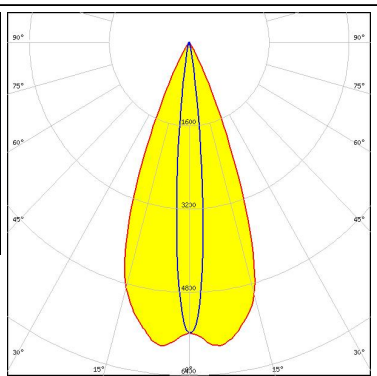




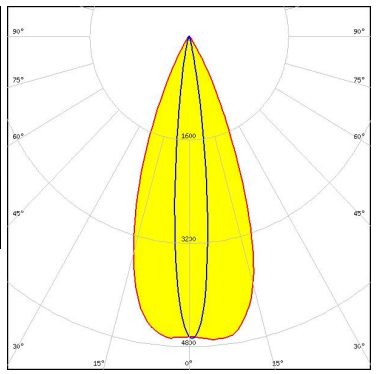


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</p> <p>LED XM-L RGBW (XMLDCL HI)</p> <p>FWHM / FWTM 42.0 + 11.0° / 58.0 + 22.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 5.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSTAR Projection Compact (KW.CSLNM1.TG)</p> <p>FWHM / FWTM 42.0 + 9.0° / 54.0 + 16.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 7.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSTAR Stage (S2WP)</p> <p>FWHM / FWTM 40.0 + 12.0° / 60.0 + 23.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>		
<p><b>SEOUL</b> SEMICONDUCTOR</p> <p>LED SPF05F0A</p> <p>FWHM / FWTM 42.0 + 11.0° / 57.0 + 20.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 5.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>		

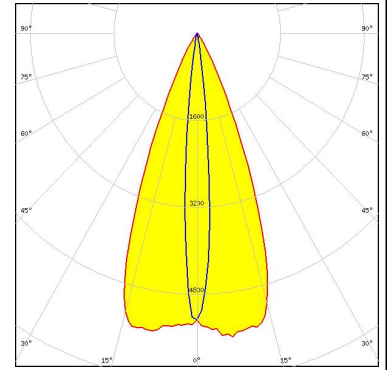
#### OPTICAL RESULTS (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED: SPF05F0B</p> <p>FWHM / FWTM: 41.0 + 12.0° / 58.0 + 21.0°</p> <p>Efficiency: 88 %</p> <p>Peak intensity: 5.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: RGBW</p> <p>Required components:</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED: SPF05F0C</p> <p>FWHM / FWTM: 41.0 + 13.0° / 60.0 + 23.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 4.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: RGBW</p> <p>Required components:</p>		

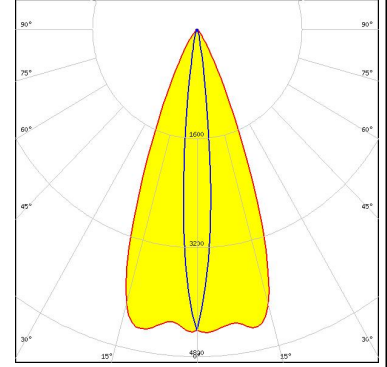
#### OPTICAL RESULTS (SIMULATED):



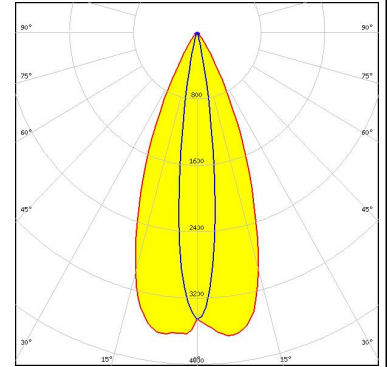
LED XHP35 HI  
 FWHM / FWTM 43.0 + 10.0° / 60.0 + 18.0°  
 Efficiency 87 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



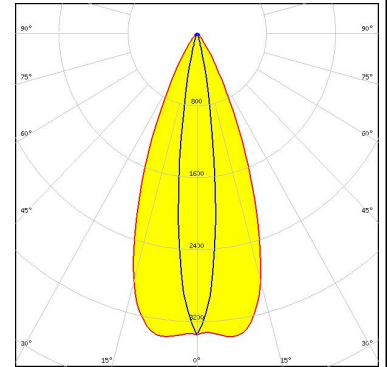
LED XHP35.2 HD  
 FWHM / FWTM 42.0 + 10.0° / 61.0 + 21.0°  
 Efficiency 83 %  
 Peak intensity 4.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XHP50  
 FWHM / FWTM 42.0 + 14.0° / 64.0 + 26.0°  
 Efficiency 84 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



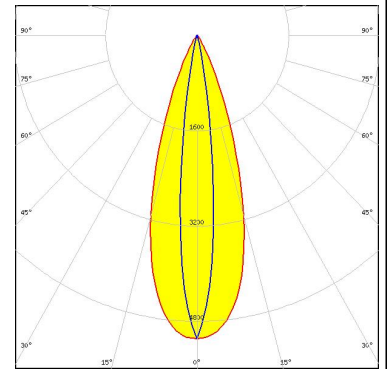
LED XHP50.2  
 FWHM / FWTM 42.0 + 14.0° / 66.0 + 28.0°  
 Efficiency 82 %  
 Peak intensity 3.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



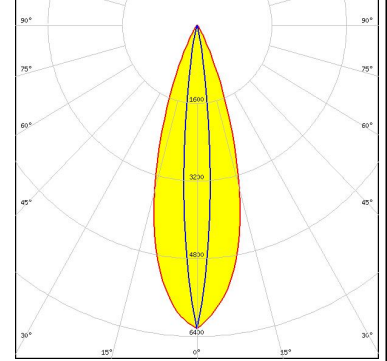
#### OPTICAL RESULTS (SIMULATED):



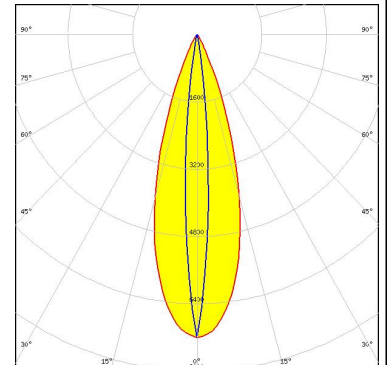
LED XM-L RGBW (XMLCTW)  
 FWHM / FWTM 13.0 + 34.0° / 24.0 + 57.0°  
 Efficiency 86 %  
 Peak intensity 5.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



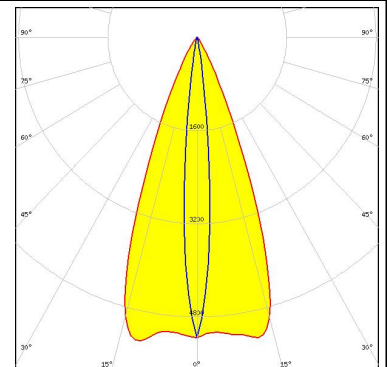
LED XM-L2  
 FWHM / FWTM 11.0 + 33.0° / 21.0 + 54.0°  
 Efficiency 87 %  
 Peak intensity 6.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED XP-G2  
 FWHM / FWTM 9.0 + 33.0° / 19.0 + 53.0°  
 Efficiency 87 %  
 Peak intensity 7.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



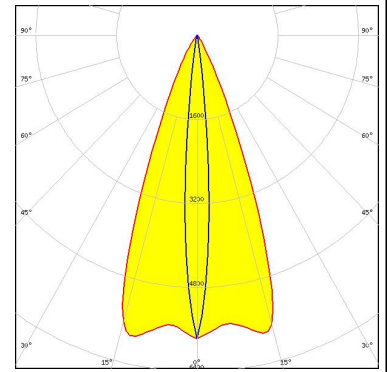
LED XP-G2 HE  
 FWHM / FWTM 42.0 + 10.0° / 60.0 + 19.0°  
 Efficiency 86 %  
 Peak intensity 5.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



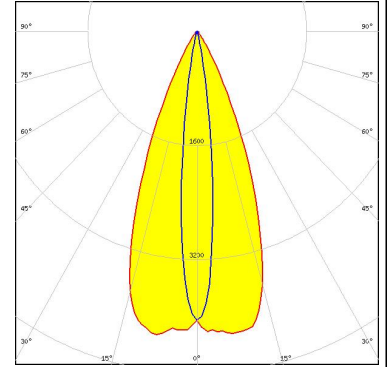
#### OPTICAL RESULTS (SIMULATED):



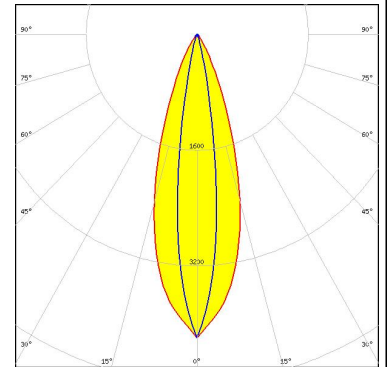
LED XP-L HI  
 FWHM / FWTM 42.0 + 10.0° / 59.0 + 18.0°  
 Efficiency 87 %  
 Peak intensity 5.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



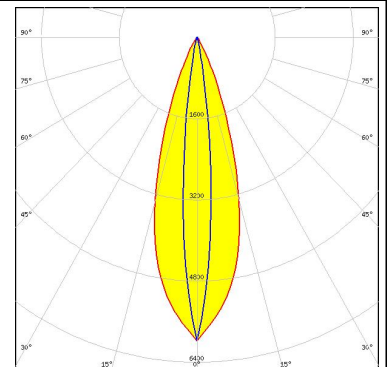
LED LUXEON 5050 Round LES  
 FWHM / FWTM 12.0 + 44.0° / 22.0 + 64.0°  
 Efficiency 86 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON M/MX  
 FWHM / FWTM 15.0 + 33.0° / 28.0 + 58.0°  
 Efficiency 84 %  
 Peak intensity 4.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

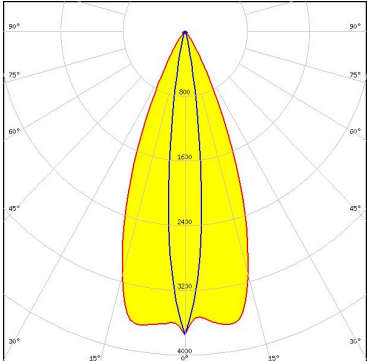
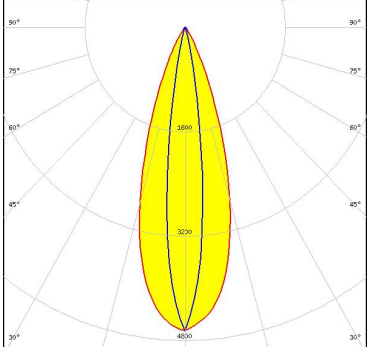
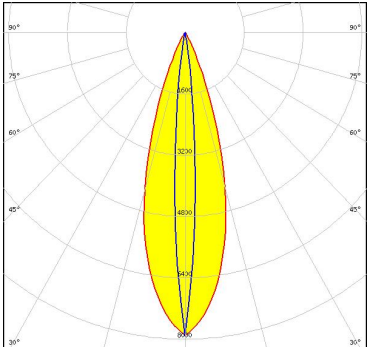
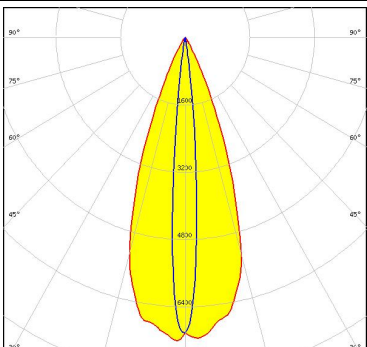


LED LUXEON MZ  
 FWHM / FWTM 11.0 + 32.0° / 22.0 + 55.0°  
 Efficiency 86 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:





#### OPTICAL RESULTS (SIMULATED):

<p><b>NICHIA</b></p> <p>LED: NCSxE17A</p> <p>FWHM / FWTM: 42.0 + 12.0° / 64.0 + 24.0°</p> <p>Efficiency: 81 %</p> <p>Peak intensity: 3.8 cd/lm</p> <p>LEDs/each optic: 4</p> <p>Light colour: RGBW</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: Duris S8</p> <p>FWHM / FWTM: 14.0 + 34.0° / 26.0 + 57.0°</p> <p>Efficiency: 86 %</p> <p>Peak intensity: 4.7 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSLON Square EC</p> <p>FWHM / FWTM: 8.0 + 31.0° / 17.0 + 52.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 7.9 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSTAR Stage (S2WN)</p> <p>FWHM / FWTM: 9.0 + 38.0° / 17.0 + 57.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 7.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

#### GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

#### MATERIALS:

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