

### GABRIELLA-MIDI-S

~10° spot beam with holder

#### TECHNICAL SPECIFICATIONS:

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

#### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
C16193_GABRIELLA-MIDI-S	Single lens	PMMA	clear	
C16192_GABRIELLA-MIDI-HLD	Holder	PC	black	

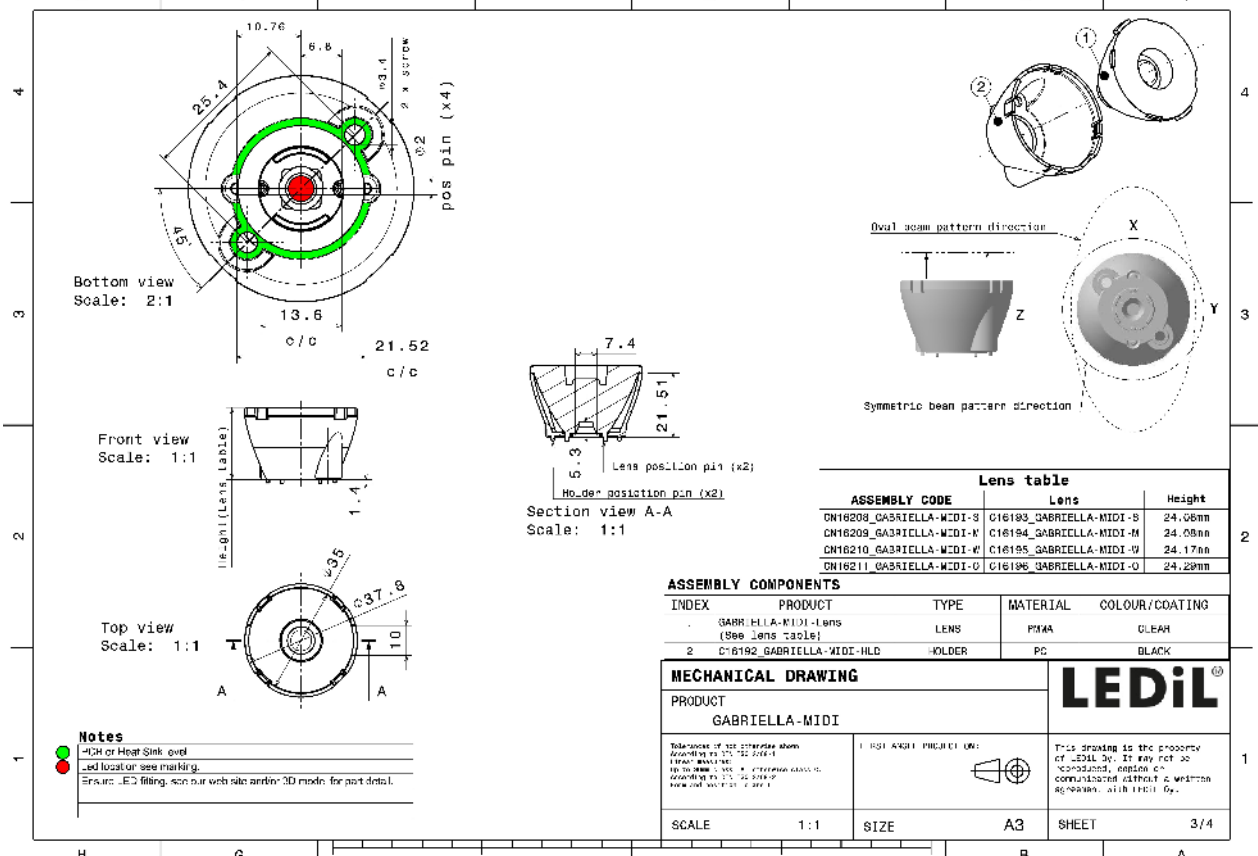
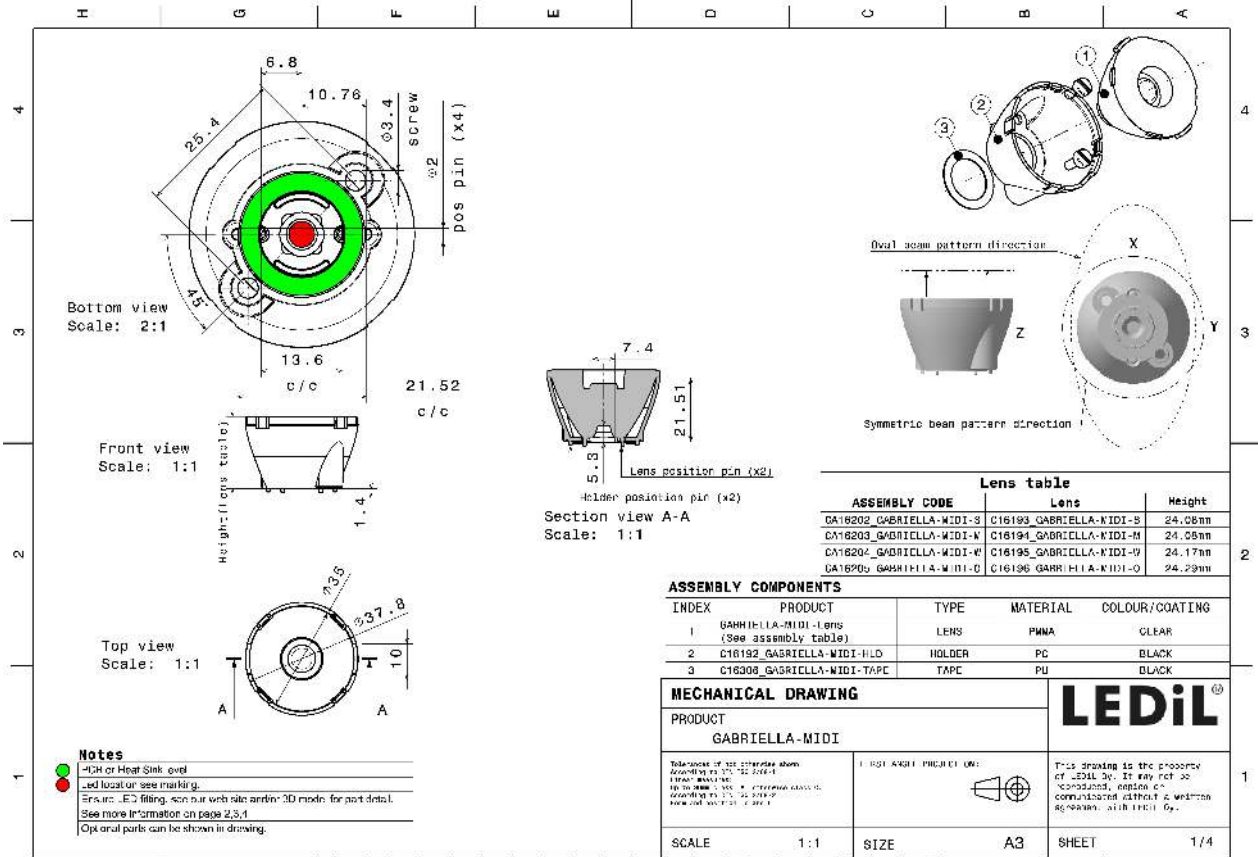
#### ORDERING INFORMATION:

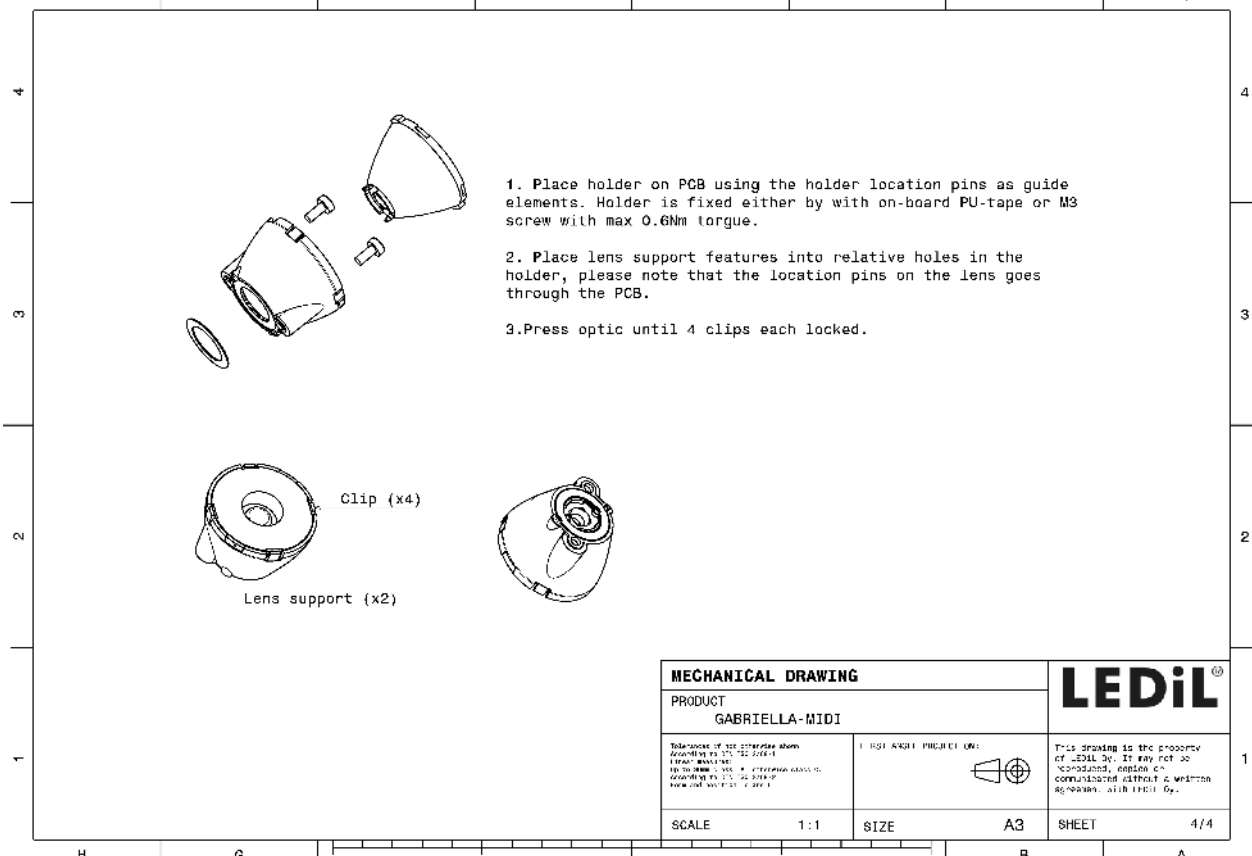
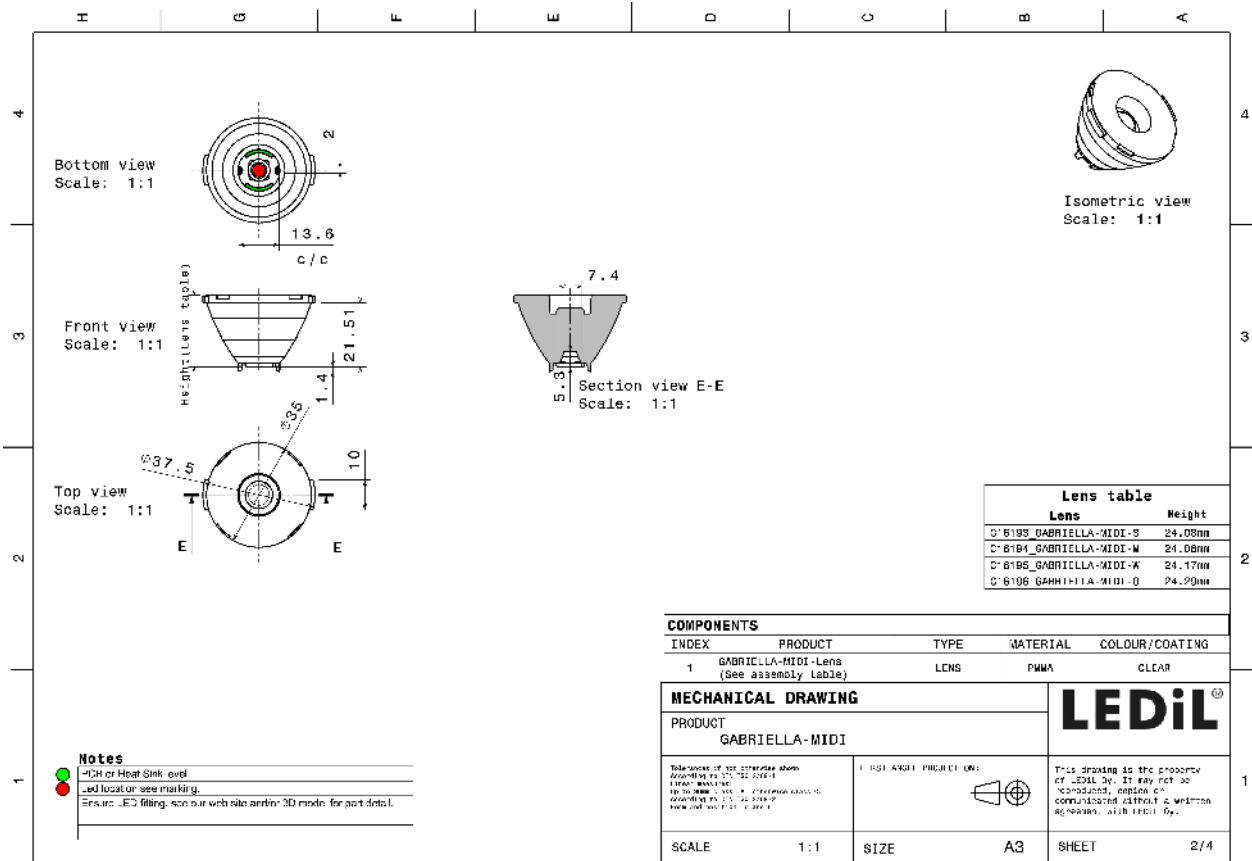
##### Quantities for one set:

Single lens	1
Holder	1




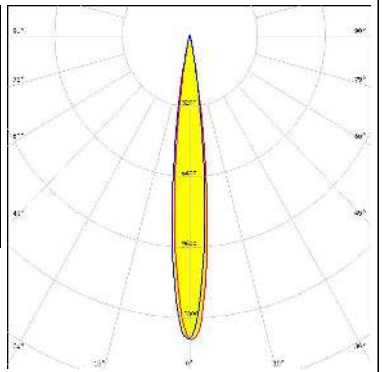

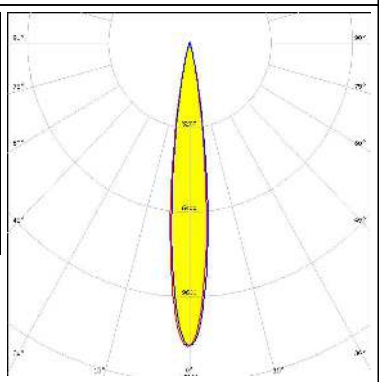

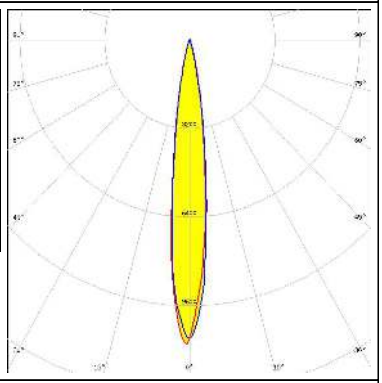

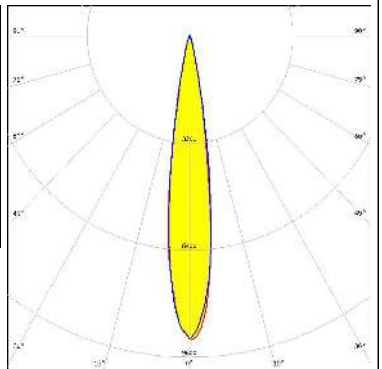
Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16193_GABRIELLA-MIDI-S	Single lens	500	100	50	9.3
» Box size: 476 x 273 x 292 mm					
C16192_GABRIELLA-MIDI-HLD	Holder	500	100	50	3.6
» Box size: 476 x 273 x 292 mm					




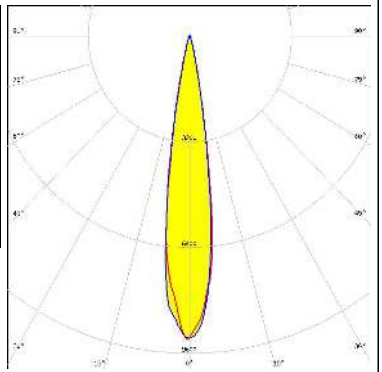
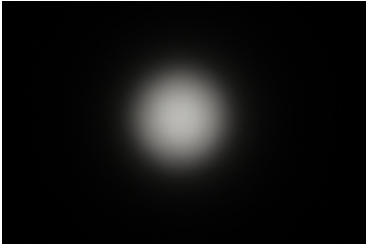
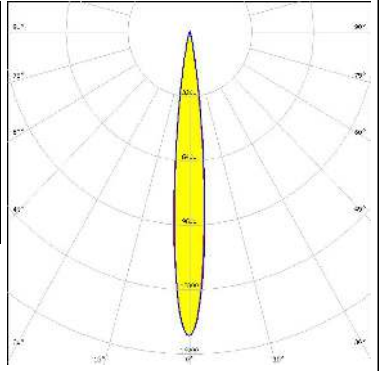

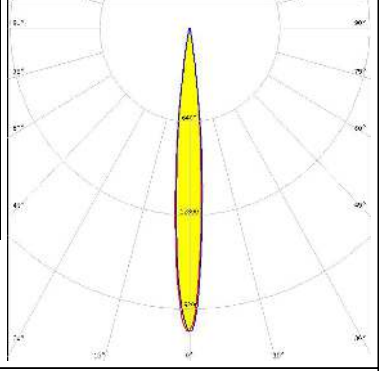

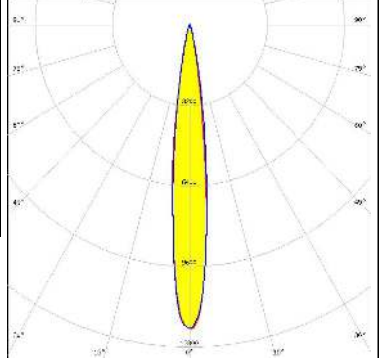


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

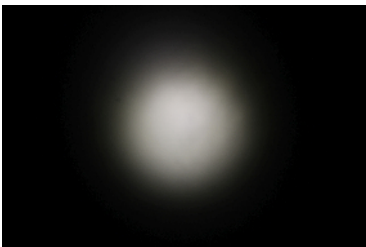
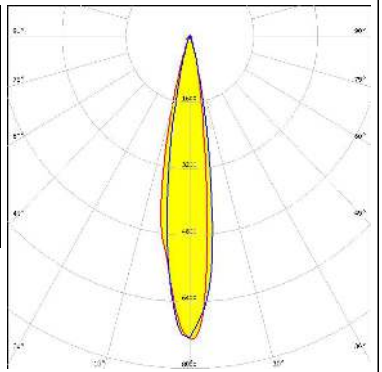

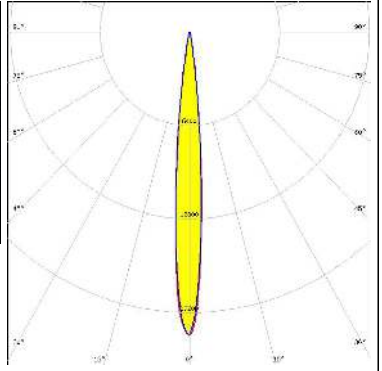

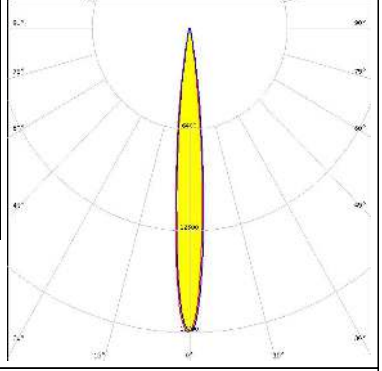

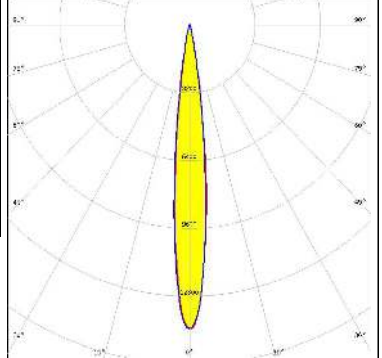
### PHOTOMETRIC DATA (MEASURED):

<p><b>CREE</b> LED</p> <p>LED XQ-E HD            FWHM / FWTM 13.0° / 22.0°            Efficiency 87 %            Peak intensity 13.8 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES            FWHM / FWTM 14.0° / 26.0°            Efficiency 91 %            Peak intensity 11.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5052 RGBW            FWHM / FWTM 13.0° / 27.0°            Efficiency 89 %            Peak intensity 11 cd/lm            LEDs/each optic 1            Light colour RGBW            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON C            FWHM / FWTM 16.0° / 27.0°            Efficiency 86 %            Peak intensity 9.1 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		

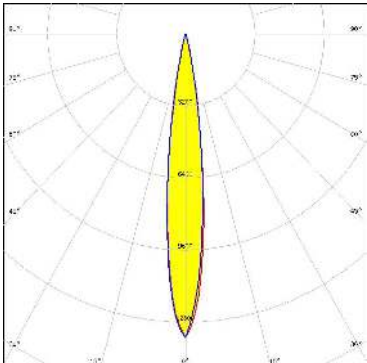
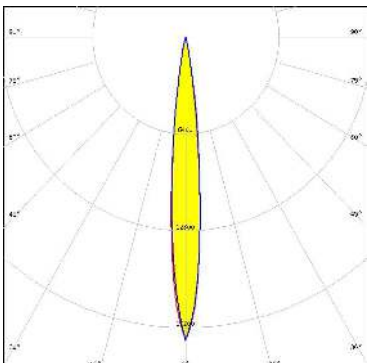
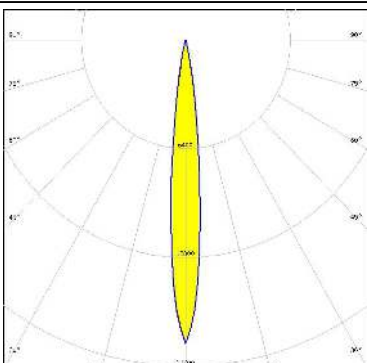
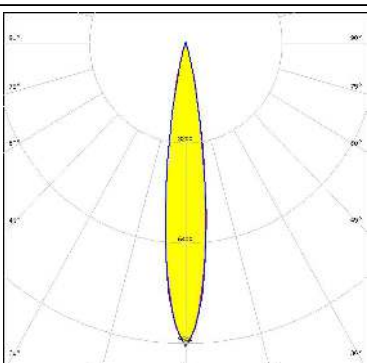
### PHOTOMETRIC DATA (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON CZ            FWHM / FWTM 17.0° / 27.0°            Efficiency 89 %            Peak intensity 9.2 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON V            FWHM / FWTM 12.0° / 22.0°            Efficiency 89 %            Peak intensity 15.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMINUS</b></p> <p>LED SBM-40-RGBW            FWHM / FWTM 10.0° / 19.0°            Efficiency 89 %            Peak intensity 21 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM / FWTM 13.0° / 25.0°            Efficiency 92 %            Peak intensity 12 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		

### PHOTOMETRIC DATA (MEASURED):

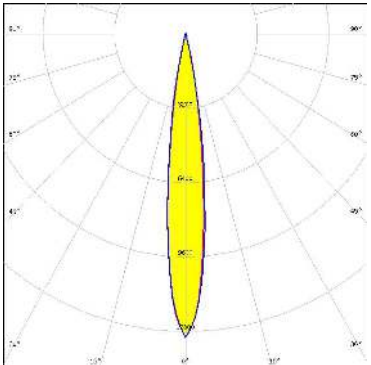
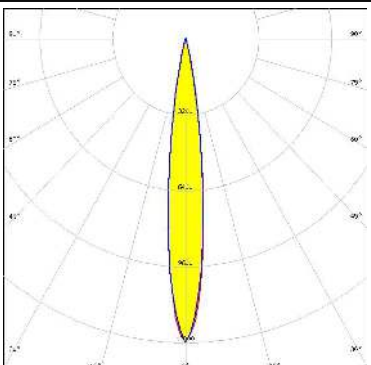
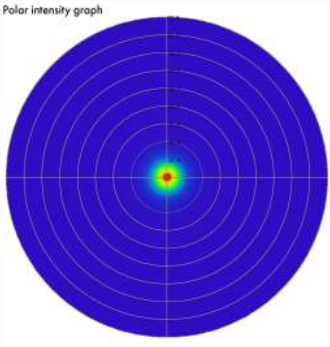
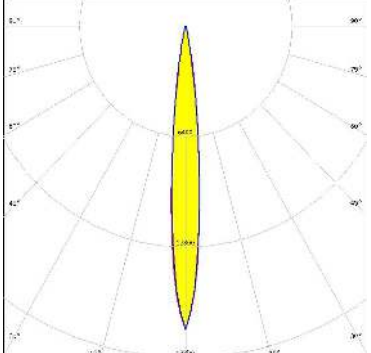
<p><b>NICHIA</b></p> <p>LED NVSW219F            FWHM / FWTM 17.0° / 31.0°            Efficiency 87 %            Peak intensity 7.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SPF05F0A            FWHM / FWTM 10.0° / 19.0°            Efficiency 89 %            Peak intensity 20.8 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SPF05F0B            FWHM / FWTM 11.0° / 20.0°            Efficiency 90 %            Peak intensity 19.1 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SPF05F0C            FWHM / FWTM 12.0° / 22.0°            Efficiency 89 %            Peak intensity 14.3 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		

### PHOTOMETRIC DATA (SIMULATED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED XM-L RGBW (XMLDCL HD)</p> <p>FWHM / FWTM 14.0° / 25.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 13.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED XM-L RGBW (XMLDCL HI)</p> <p>FWHM / FWTM 12.0° / 21.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 20.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED XP-G2 HE</p> <p>FWHM / FWTM 12.0° / 22.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 17.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>NICHIA</b></p> <p>LED NV4x144A</p> <p>FWHM / FWTM 16.0° / 28.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 9.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	



### PHOTOMETRIC DATA (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED DURIS E 5050 (GW J9LHS1.4M)</p> <p>FWHM / FWTM 14.0° / 24.0 + 26.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 13.1 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 Duris S8</p> <p>FWHM / FWTM 14.0° / 25.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 12.8 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 SFH 4717AS</p> <p>FWHM / FWTM 11.0° / 21.0°</p> <p>Efficiency 91 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	<div style="display: flex; justify-content: space-around;"> <div data-bbox="770 1227 1110 1585"> <p>Polar intensity graph</p>  </div> <div data-bbox="1129 1227 1501 1585">  </div> </div>

### 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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