

## GABRIELLA-45-W

~35° wide beam with holder

### SPECIFICATION:

Dimensions	Ø 45.0 mm
Height	28.8 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

### MATERIALS:

Component	Type	Material	Colour	Finish
C15813_GABRIELLA-45-W	Single lens	PMMA	clear	
C15528_GABRIELLA-45-HLD	Holder	PC	black	

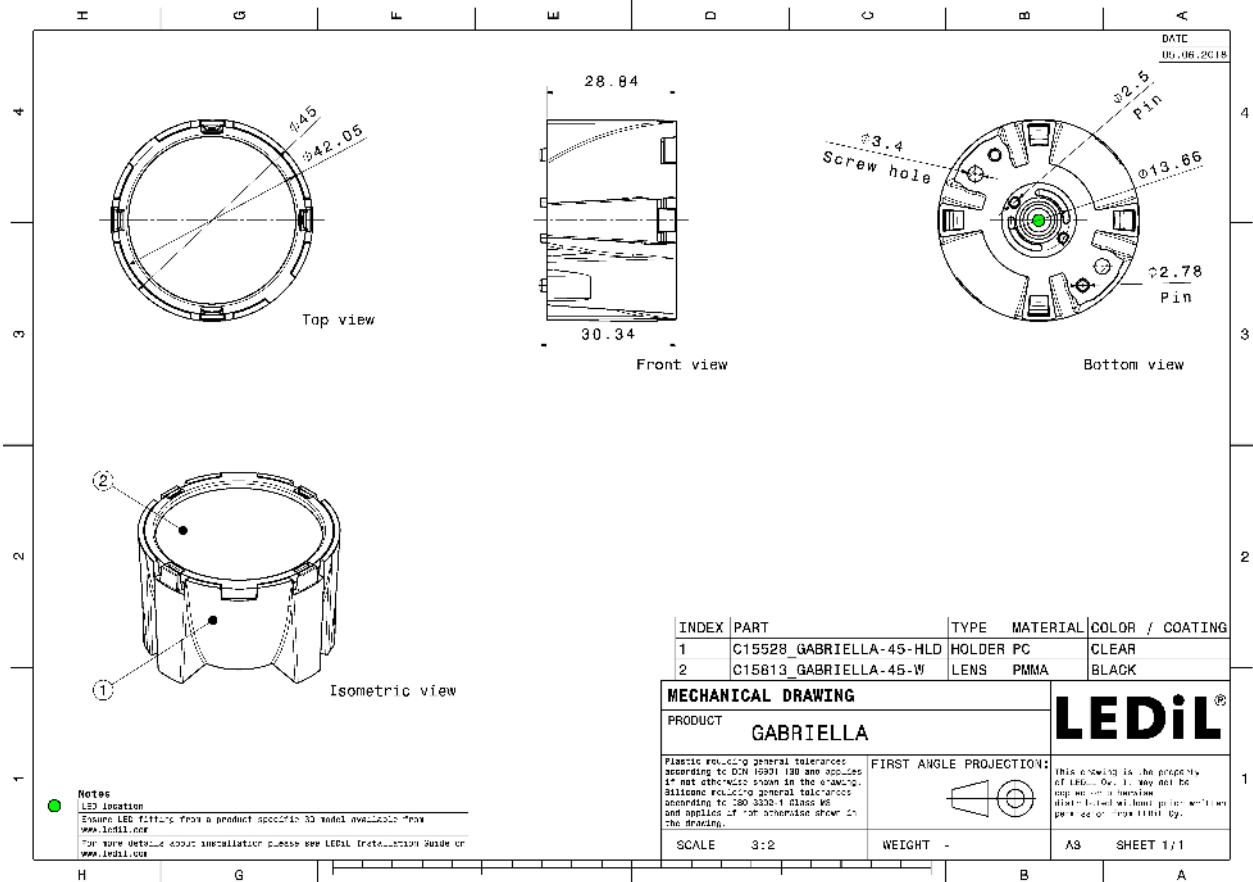
### ORDERING INFORMATION:

#### Quantities for one set:

Single lens	1
Holder	1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15813_GABRIELLA-45-W	Single lens	405	90	45	8.6
» Box size: 476 x 273 x 292 mm					
C15528_GABRIELLA-45-HLD	Holder	405	90	45	5.1
» Box size: 476 x 273 x 292 mm					

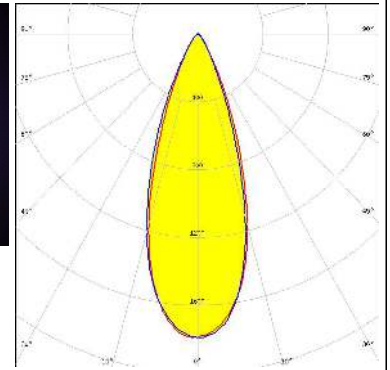
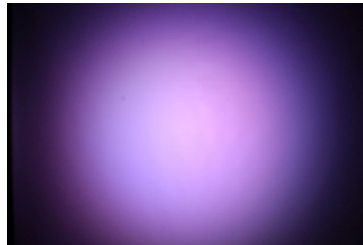


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

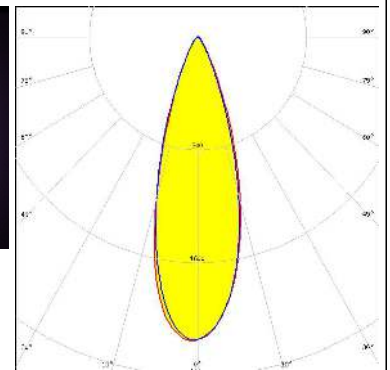
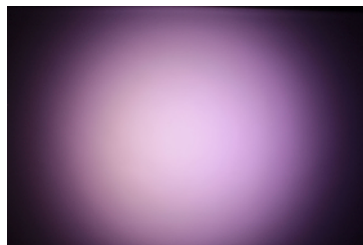
#### CREE LED

LED XM-L RGBW (XMLCTW)  
 FWHM / FWTM 37.0° / 62.0°  
 Efficiency 79 %  
 Peak intensity 1.8 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



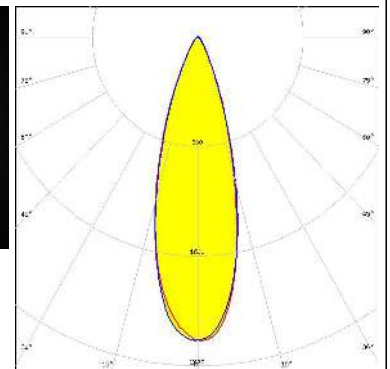
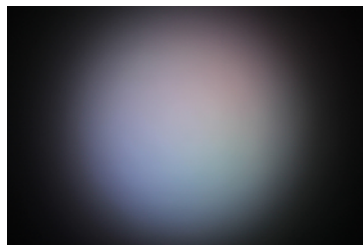
#### LUMILEDS

LED LUXEON 5052 RGBW  
 FWHM / FWTM 32.0° / 57.0°  
 Efficiency 79 %  
 Peak intensity 2.2 cd/m  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



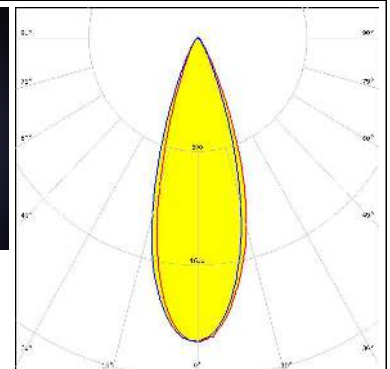
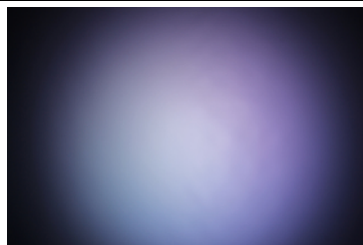
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 31.0° / 56.0°  
 Efficiency 78 %  
 Peak intensity 2.2 cd/m  
 LEDs/each optic 4  
 Light colour RGBW  
 Required components:

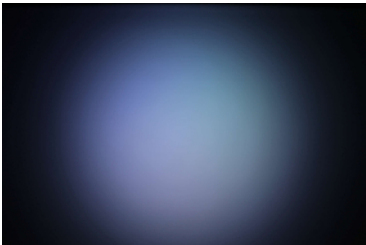
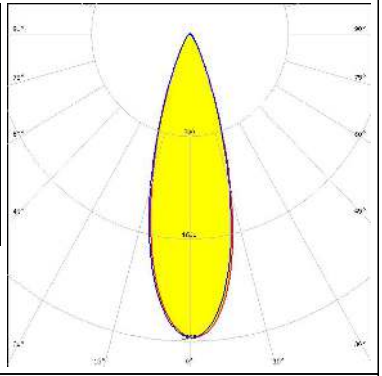
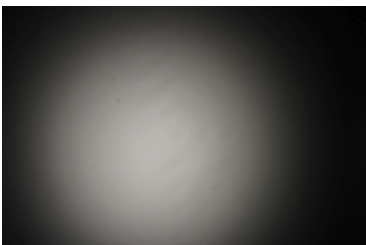
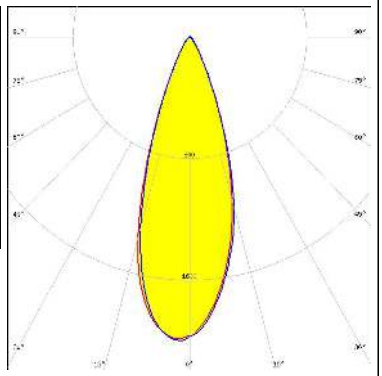
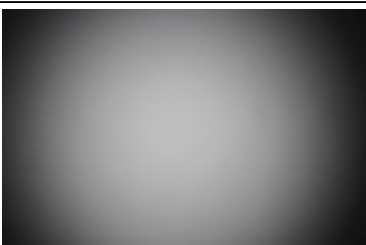
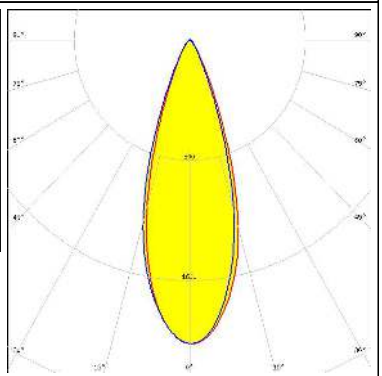
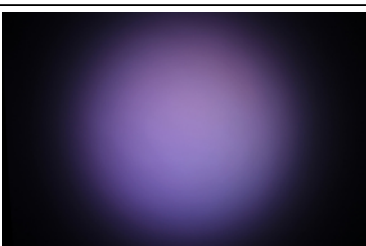
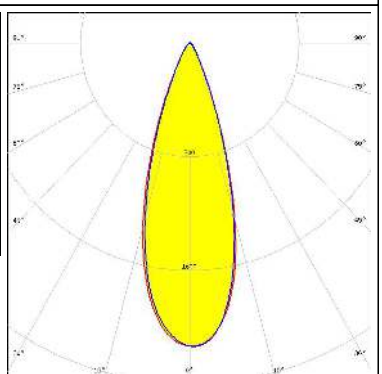


#### LUMINUS


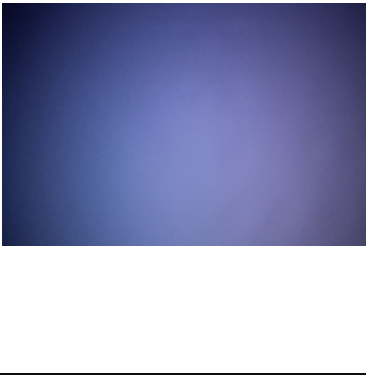
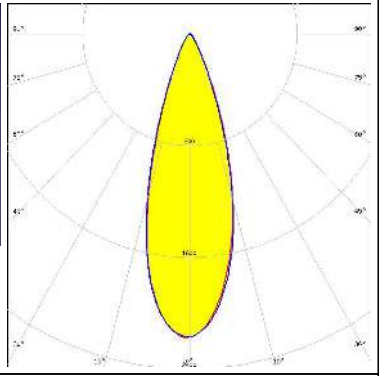

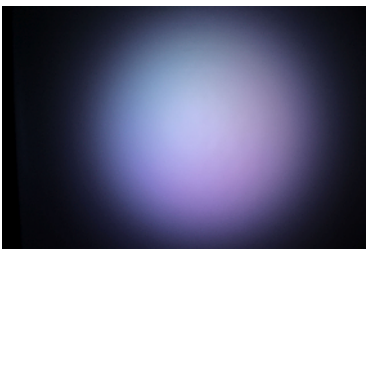
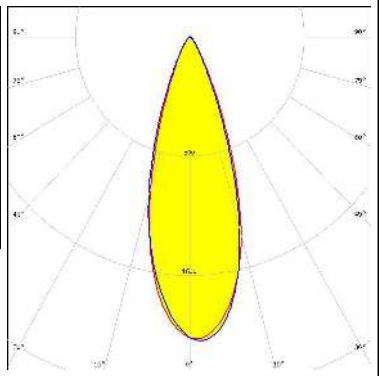


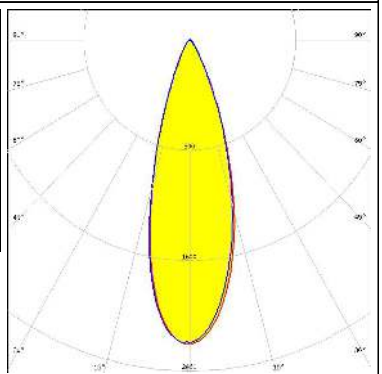
LED SBM-40-RGBW  
 FWHM / FWTM 33.0° / 56.0°  
 Efficiency 80 %  
 Peak intensity 2.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:




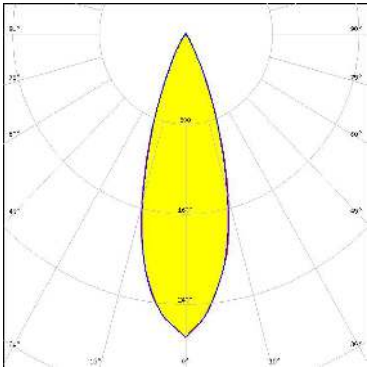

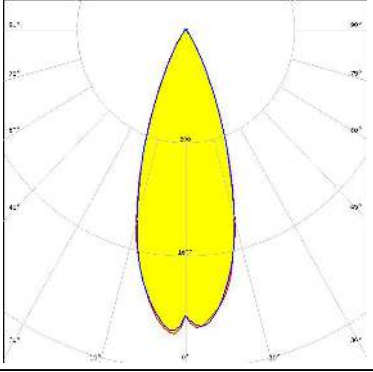

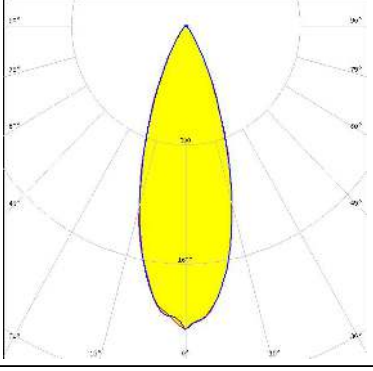

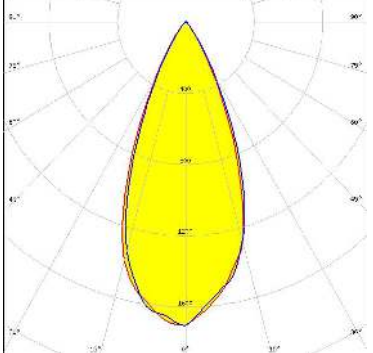
### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NCSxE17A            FWHM / FWTM 31.0° / 54.0°            Efficiency 81 %            Peak intensity 2.4 cd/lm            LEDs/each optic 4            Light colour RGBW            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NVSW219F            FWHM / FWTM 35.0° / 59.0°            Efficiency 80 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED OSLO N Square EC            FWHM / FWTM 34.0° / 57.0°            Efficiency 78 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED Ostar-SMT RGB            FWHM / FWTM 34.0° / 56.0°            Efficiency 81 %            Peak intensity 2.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### OPTICAL RESULTS (MEASURED):

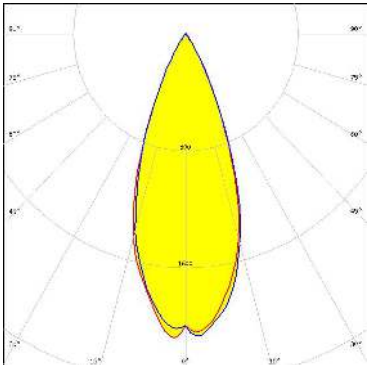
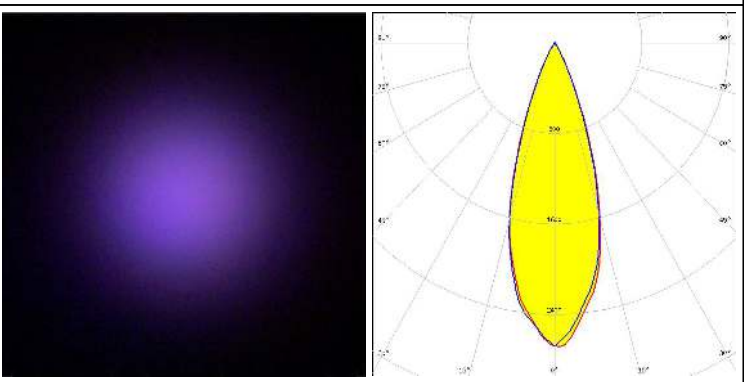
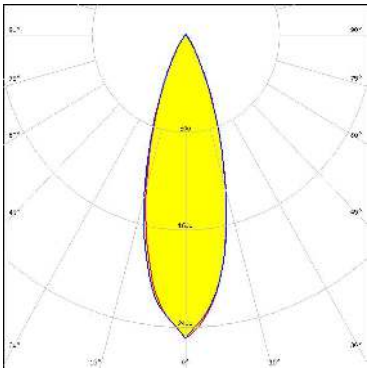
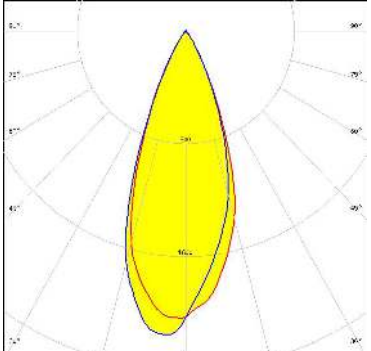
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SPF05F0A</p> <p>FWHM / FWTM      33.0° / 56.0°</p> <p>Efficiency            78 %</p> <p>Peak intensity      2.2 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        RGBW</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SPF05F0B</p> <p>FWHM / FWTM      34.0° / 58.0°</p> <p>Efficiency            80 %</p> <p>Peak intensity      2.1 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        RGBW</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED                    SPF05F0C</p> <p>FWHM / FWTM      32.0° / 56.0°</p> <p>Efficiency            79 %</p> <p>Peak intensity      2.2 cd/m</p> <p>LEDs/each optic    1</p> <p>Light colour        RGBW</p> <p>Required components:</p>		

### OPTICAL RESULTS (SIMULATED):

	<p>LED J Series 5050 Round LES            FWHM / FWTM 33.0° / 54.0°            Efficiency 90 %            Peak intensity 2.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP50.2            FWHM / FWTM 36.0° / 60.0°            Efficiency 87 %            Peak intensity 2.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP70.2            FWHM / FWTM 35.0° / 62.0°            Efficiency 85 %            Peak intensity 2.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XM-L RGBW (XMLDCL HD)            FWHM / FWTM 43.0° / 67.0°            Efficiency 90 %            Peak intensity 1.7 cd/lm            LEDs/each optic 1            Light colour RGBW            Required components:</p>	

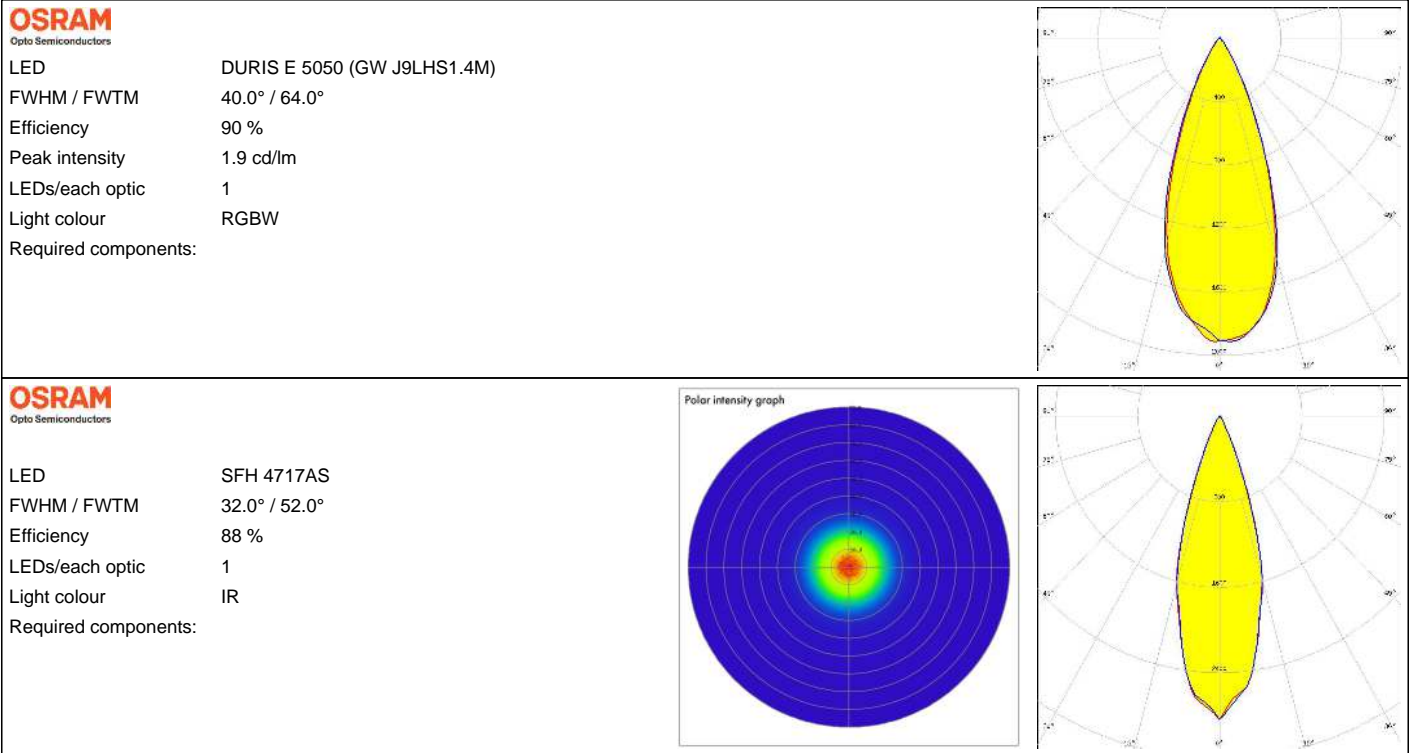


### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED XM-L RGBW (XMLDCL HI)</p> <p>FWHM / FWTM 40.0 + 39.0° / 62.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>	
<p><b>LED ENGIN</b></p> <p>LED LZ7 Plus (LZ7-04M2PD)</p> <p>FWHM / FWTM 34.0° / 54.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 2.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON 7070</p> <p>FWHM / FWTM 32.0° / 58.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED LUXEON Rubix</p> <p>FWHM / FWTM 39.0 + 38.0° / 62.0 + 61.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 4</p> <p>Light colour RGBW</p> <p>Required components:</p>	



### OPTICAL RESULTS (SIMULATED):



### 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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