

## GABRIELLA-45-M

~25° medium beam with holder

### SPECIFICATION:

Dimensions	Ø 45.0 mm
Height	28.9 mm
Fastening	screw
ROHS compliant	yes ⓘ

### MATERIALS:

Component	Type	Material	Colour	Finish
C15810_GABRIELLA-45-M	Single lens	PMMA	clear	
C15528_GABRIELLA-45-HLD	Holder	PC	black	

### ORDERING INFORMATION:

#### Quantities for one set:

Single lens	1
Holder	1



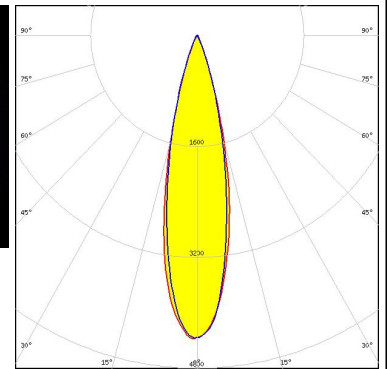
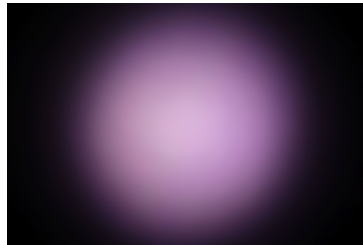
Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15810_GABRIELLA-45-M	Single lens	405	90	45	11.3
» Box size: 476 x 273 x 292 mm					
C15528_GABRIELLA-45-HLD	Holder	405	90	45	5.1
» Box size: 476 x 273 x 292 mm					



### OPTICAL RESULTS (MEASURED):

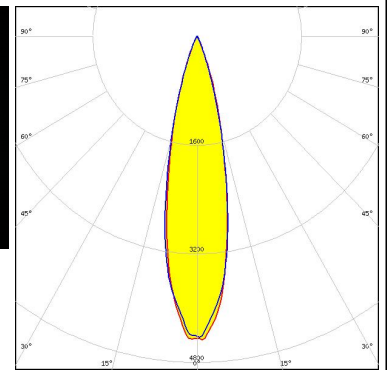
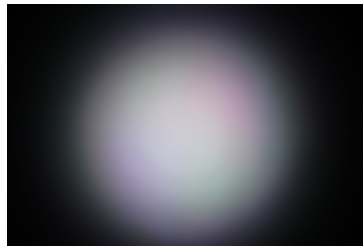
#### LUMILEDS

LED LUXEON 5052 RGBW  
 FWHM / FWTM 24.0° / 43.0°  
 Efficiency 89 %  
 Peak intensity 4.4 cd/m  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



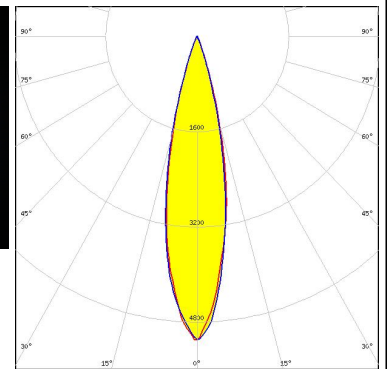
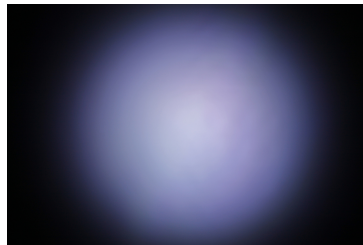
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 23.0° / 43.0°  
 Efficiency 89 %  
 Peak intensity 4.5 cd/m  
 LEDs/each optic 4  
 Light colour RGBW  
 Required components:



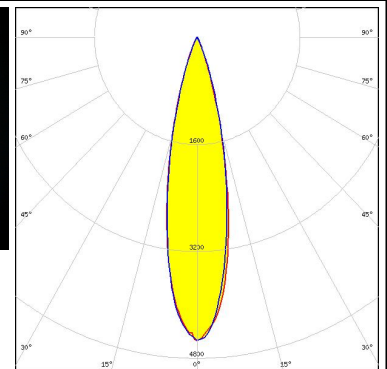
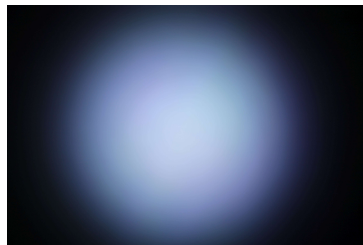
#### LUMINUS

LED SBM-40-RGBW  
 FWHM / FWTM 23.0° / 39.0°  
 Efficiency 89 %  
 Peak intensity 5.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:

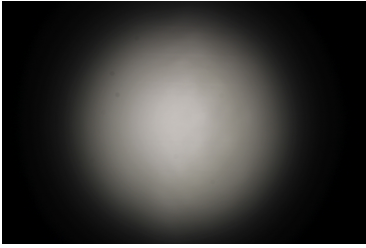
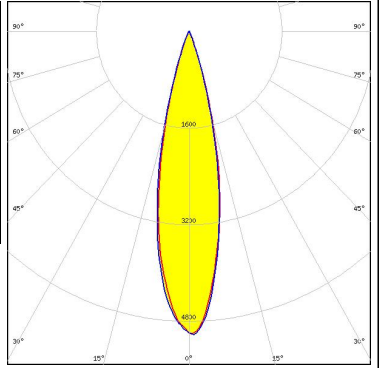
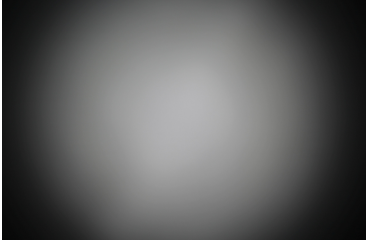
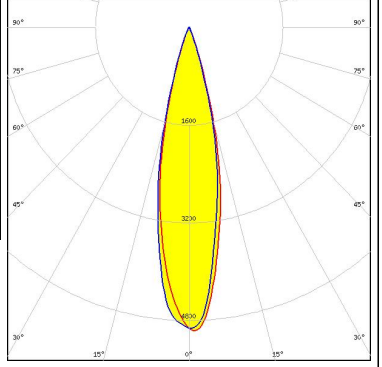

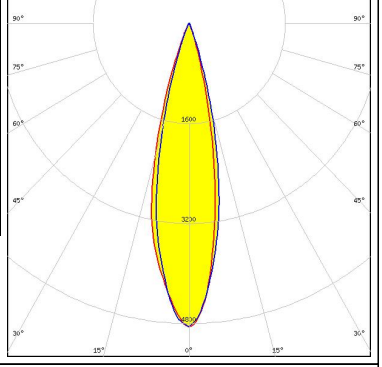

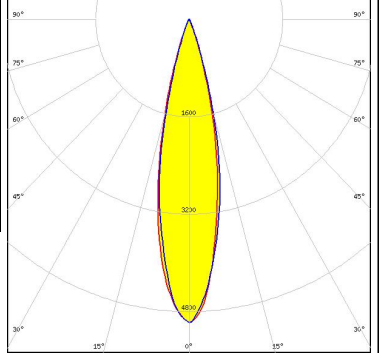


#### NICHIA


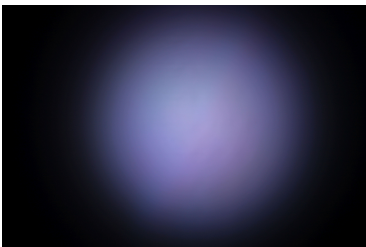
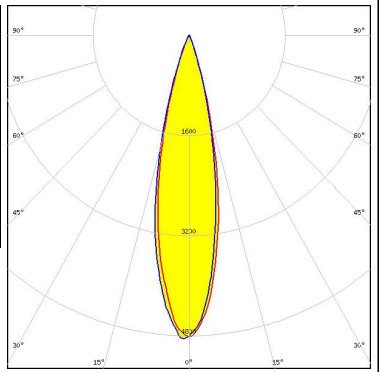

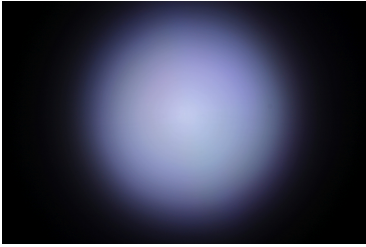
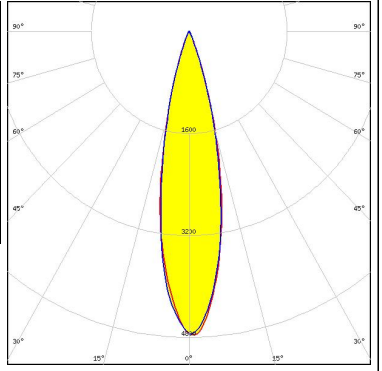
LED NCSxE17A  
 FWHM / FWTM 24.0° / 42.0°  
 Efficiency 90 %  
 Peak intensity 4.6 cd/m  
 LEDs/each optic 4  
 Light colour RGBW  
 Required components:




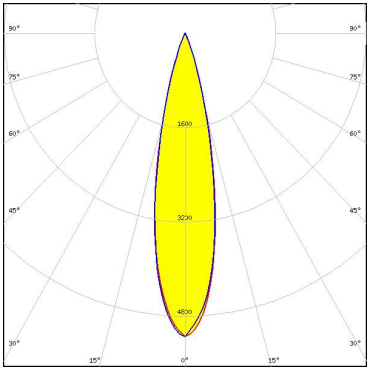

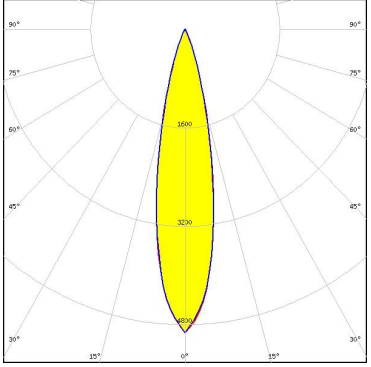

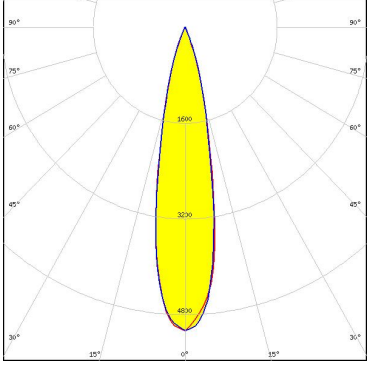

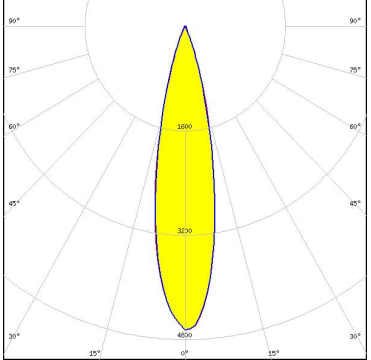
### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NVSW219F            FWHM / FWTM 24.0° / 40.0°            Efficiency 90 %            Peak intensity 5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON Square EC            FWHM / FWTM 24.0° / 39.0°            Efficiency 88 %            Peak intensity 5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Ostar-SMT RGB            FWHM / FWTM 24.0° / 40.0°            Efficiency 90 %            Peak intensity 4.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>SEOUL SEMICONDUCTOR</b></p> <p>LED SPF05F0A            FWHM / FWTM 24.0° / 39.0°            Efficiency 88 %            Peak intensity 5 cd/lm            LEDs/each optic 1            Light colour RGBW            Required components:</p>		

### OPTICAL RESULTS (MEASURED):


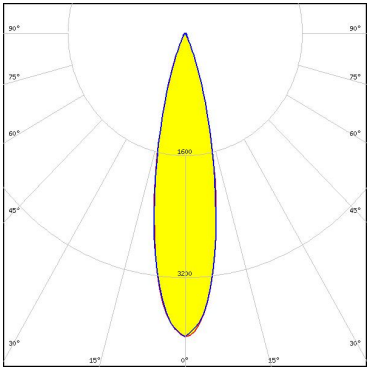

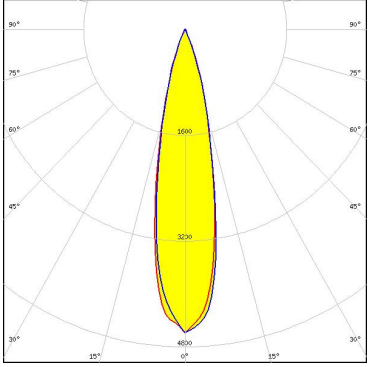

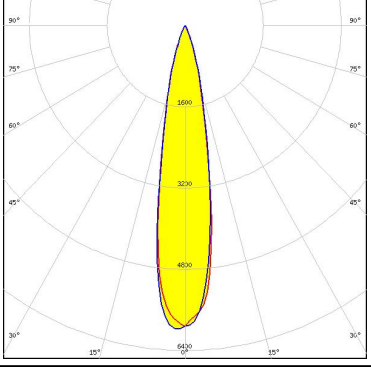

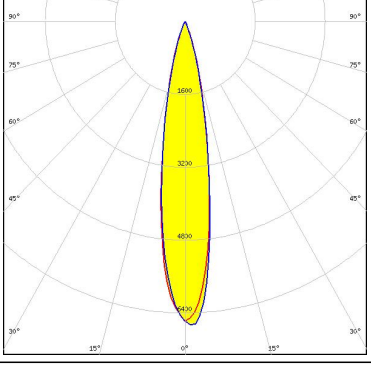
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED                    SPF05F0B</p> <p>FWHM / FWTM      24.0° / 40.0°</p> <p>Efficiency            88 %</p> <p>Peak intensity      4.9 cd/lm</p> <p>LEDs/each optic    1</p> <p>Light colour        RGBW</p> <p>Required components:</p>		
<p> <b>SEOUL SEMICONDUCTOR</b></p> <p>LED                    SPF05F0C</p> <p>FWHM / FWTM      24.0° / 41.0°</p> <p>Efficiency            89 %</p> <p>Peak intensity      4.8 cd/lm</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 23.0° / 40.0°            Efficiency 92 %            Peak intensity 5.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP35.2 HD            FWHM / FWTM 22.0° / 40.0°            Efficiency 88 %            Peak intensity 4.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP50.2            FWHM / FWTM 22.0° / 40.0°            Efficiency 89 %            Peak intensity 5.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XHP50.3 HD            FWHM / FWTM 22.0° / 42.0°            Efficiency 88 %            Peak intensity 4.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	



### OPTICAL RESULTS (SIMULATED):

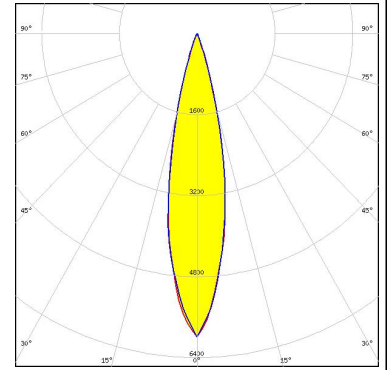
	<p>LED XHP70.2            FWHM / FWTM 24.0° / 44.0°            Efficiency 87 %            Peak intensity 4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XM-L RGBW (XMLCTW)            FWHM / FWTM 23.0° / 42.0°            Efficiency 85 %            Peak intensity 4.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
	<p>LED XM-L RGBW (XMLDCL HD)            FWHM / FWTM 20.0° / 39.0°            Efficiency 92 %            Peak intensity 6.3 cd/lm            LEDs/each optic 1            Light colour RGBW            Required components:</p>	
	<p>LED XM-L RGBW (XMLDCL HI)            FWHM / FWTM 19.0 + 18.0° / 38.0°            Efficiency 92 %            Peak intensity 6.7 cd/lm            LEDs/each optic 1            Light colour RGBW            Required components:</p>	



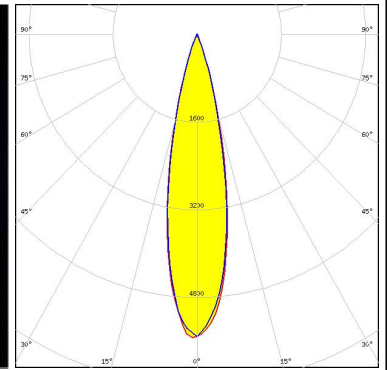
### OPTICAL RESULTS (SIMULATED):



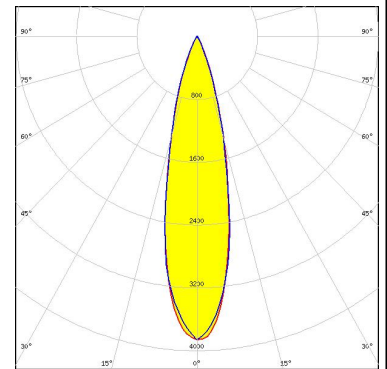
LED XP-E2  
 FWHM / FWTM 22.0° / 38.0°  
 Efficiency 92 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour Amber  
 Required components:



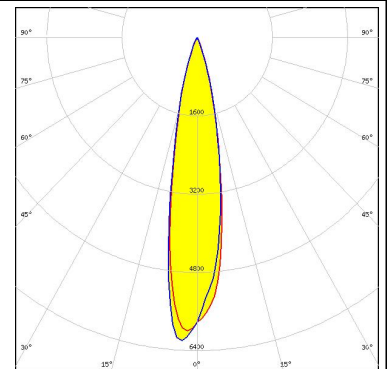
LED LZ7 Plus (LZ7-04M2PD)  
 FWHM / FWTM 23.0° / 39.0°  
 Efficiency 93 %  
 Peak intensity 5.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON C  
 FWHM / FWTM 24.0°  
 Efficiency 86 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 4  
 Light colour RGBW  
 Required components:



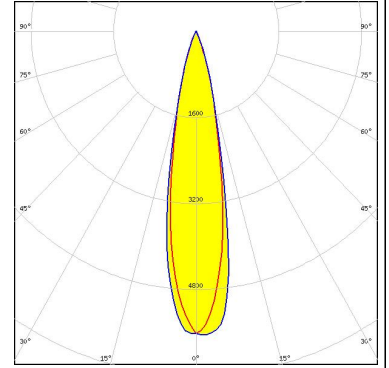
LED LUXEON Rubix  
 FWHM / FWTM 20.0 + 19.0° / 38.0°  
 Efficiency 93 %  
 Peak intensity 6.8 cd/lm  
 LEDs/each optic 4  
 Light colour RGBW  
 Required components:



### OPTICAL RESULTS (SIMULATED):

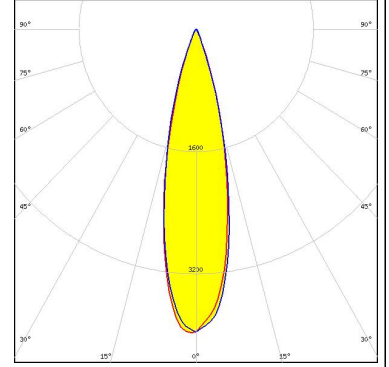
#### OSRAM Opto Semiconductors

LED DURIS E 5050 (GW J9LHS1.4M)  
 FWHM / FWTM 20.0 + 22.0° / 39.0 + 40.0°  
 Efficiency 91 %  
 Peak intensity 5.6 cd/lm  
 LEDs/each optic 1  
 Light colour RGBW  
 Required components:



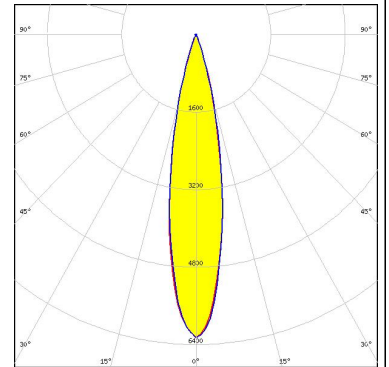
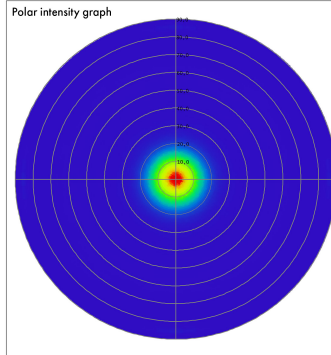
#### OSRAM Opto Semiconductors

LED OSTAR Stage (S2WP)  
 FWHM / FWTM 25.0°  
 Efficiency 86 %  
 Peak intensity 4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM Opto Semiconductors

LED SFH 4717AS  
 FWHM / FWTM 20.0° / 36.0°  
 Efficiency 92 %  
 LEDs/each optic 1  
 Light colour IR  
 Required components:



### 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

### PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

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