

## 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	

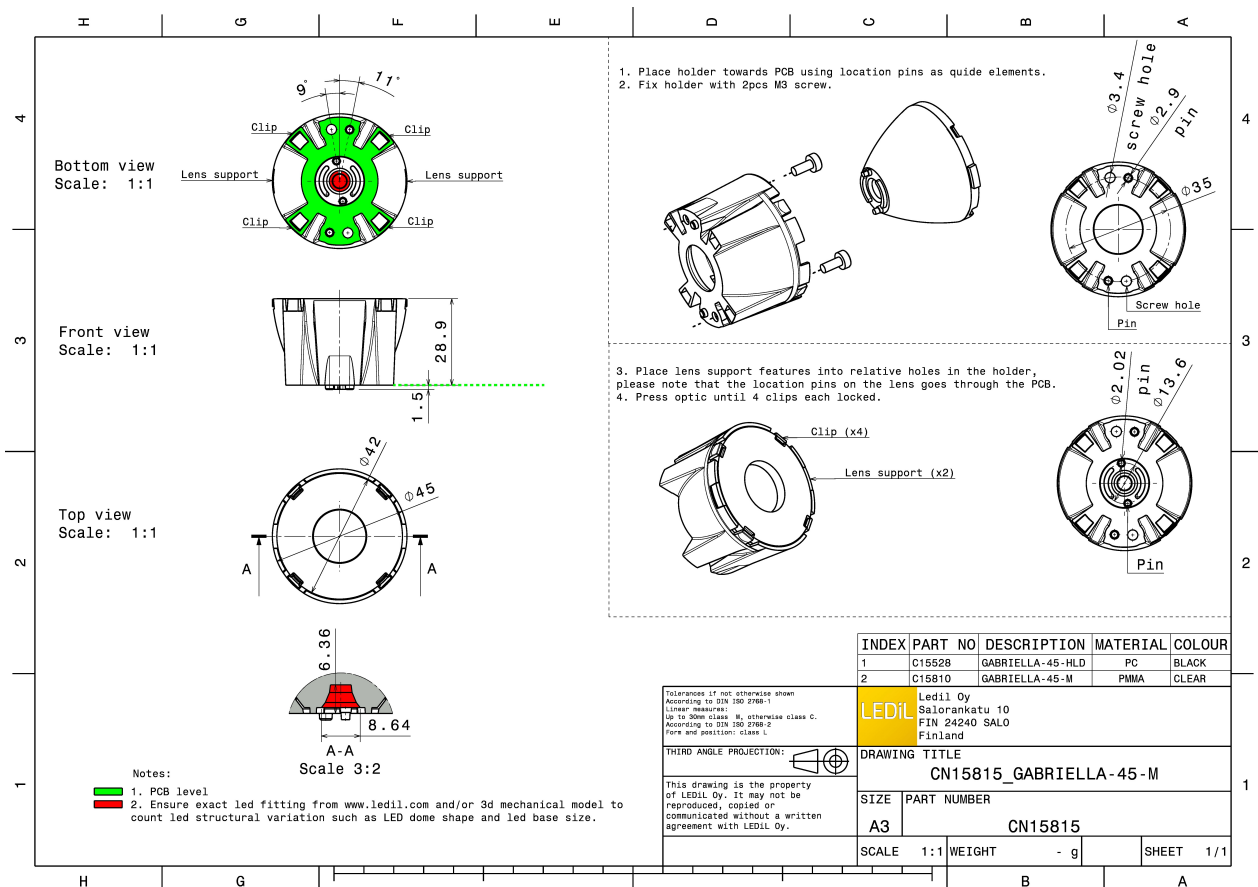


## ORDERING INFORMATION:

## Quantities for one set:

Single lens	1
Holder	1

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

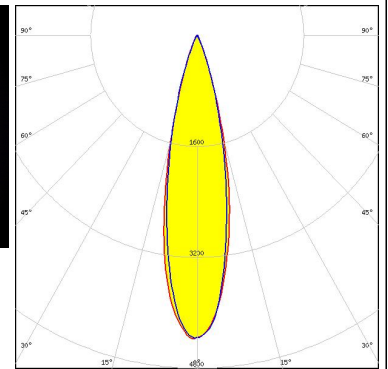
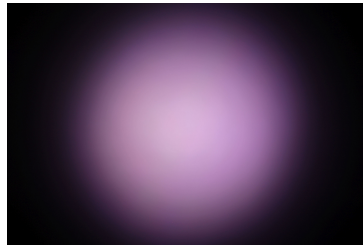


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

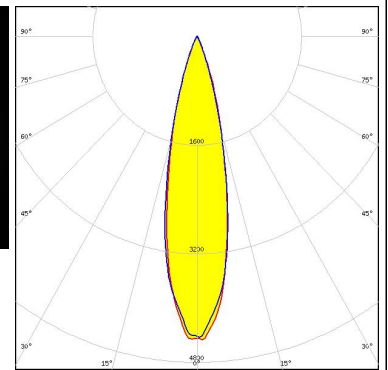
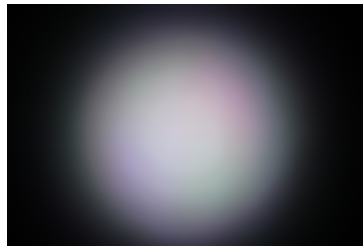
#### LUMILEDS

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



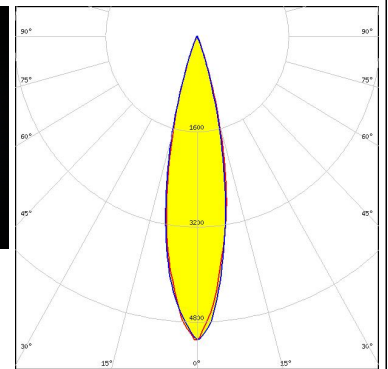
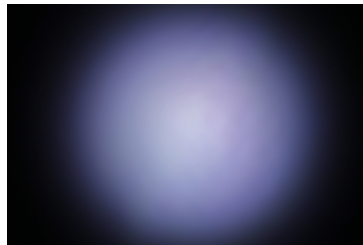
#### LUMILEDS

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



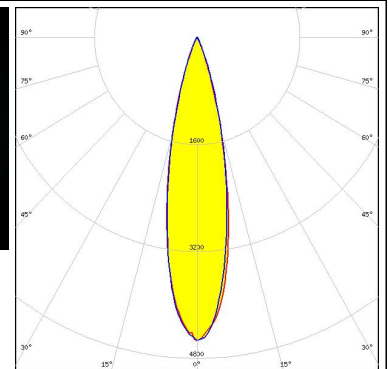
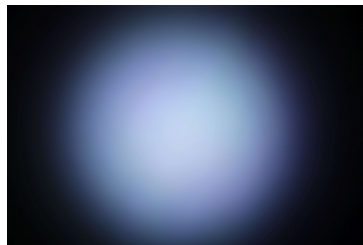
#### LUMINUS

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



#### NICHIA

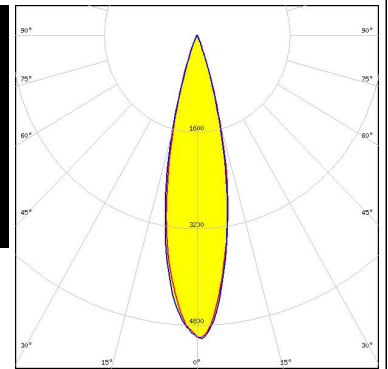
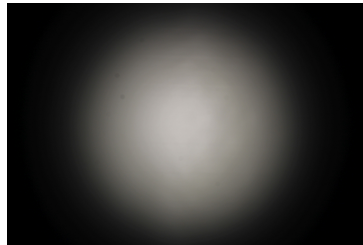
LED NCSxE17A  
FWHM / FWTM 24.0° / 42.0°  
Efficiency 90 %  
Peak intensity 4.6 cd/lm  
LEDs/each optic 4  
Light colour RGBW  
Required components:



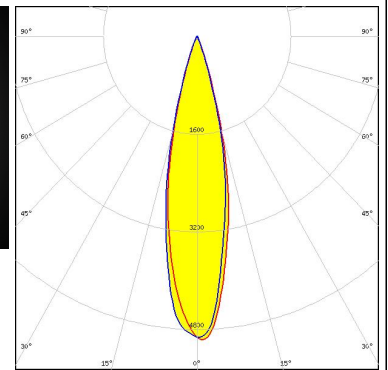
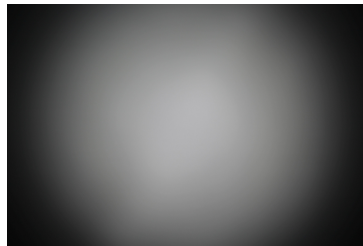
### OPTICAL RESULTS (MEASURED):



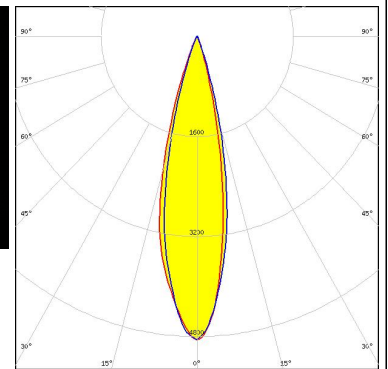
LED NVSW219F  
FWHM / FWTM 24.0° / 40.0°  
Efficiency 90 %  
Peak intensity 5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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:

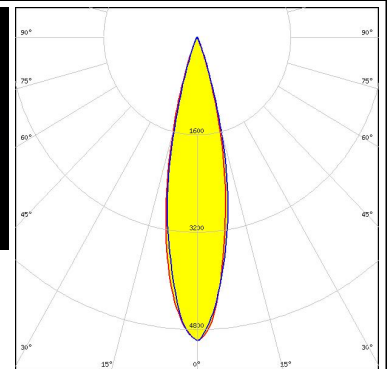
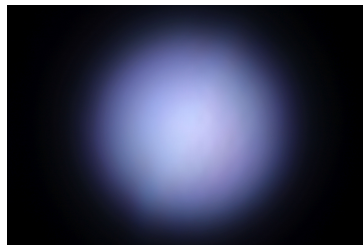


LED Ostar-SMT RGB  
FWHM / FWTM 24.0° / 40.0°  
Efficiency 90 %  
Peak intensity 4.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:


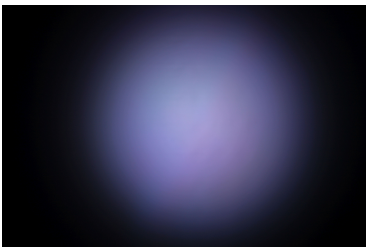
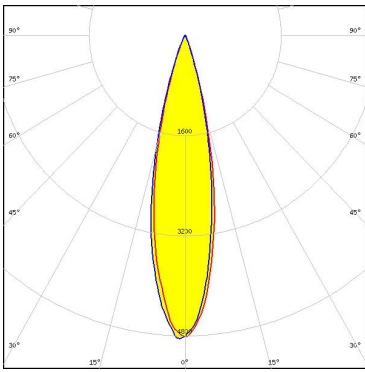

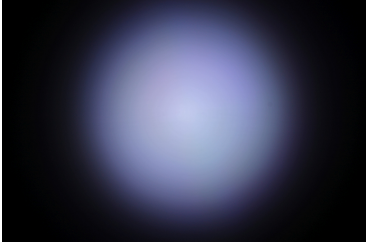
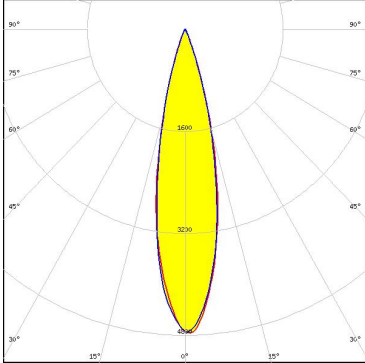


SEOUL SEMICONDUCTOR

LED SPF05F0A  
FWHM / FWTM 24.0° / 39.0°  
Efficiency 88 %  
Peak intensity 5 cd/lm  
LEDs/each optic 1  
Light colour RGBW  
Required components:



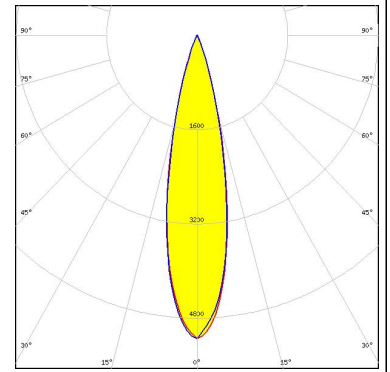
### OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</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> SEOUL SEMICONDUCTOR</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>		

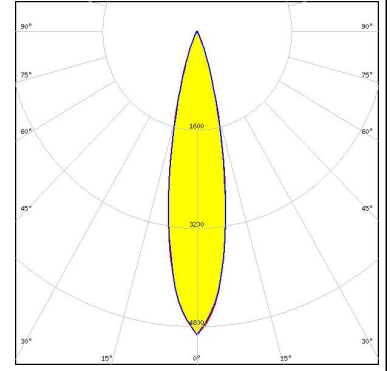
### OPTICAL RESULTS (SIMULATED):



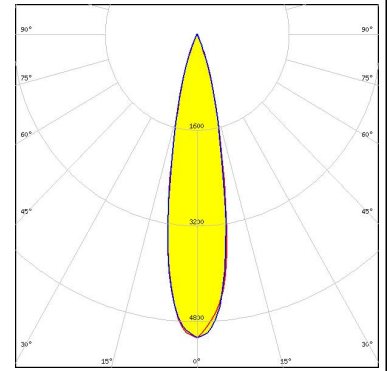
LED J Series 5050 Round LES  
FWHM / FWTM 23.0° / 40.0°  
Efficiency 92 %  
Peak intensity 5.2 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



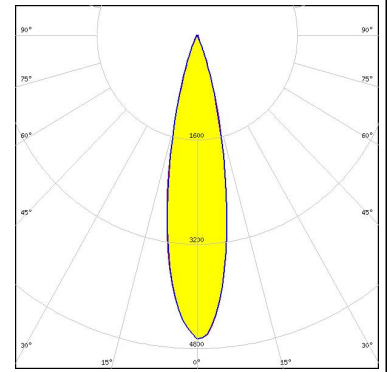
LED XHP35.2 HD  
FWHM / FWTM 22.0° / 40.0°  
Efficiency 88 %  
Peak intensity 4.9 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP50.2  
FWHM / FWTM 22.0° / 40.0°  
Efficiency 89 %  
Peak intensity 5.1 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



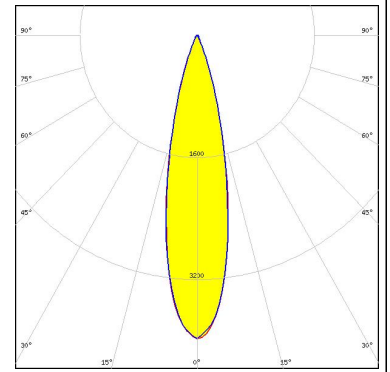
LED XHP50.3 HD  
FWHM / FWTM 22.0° / 42.0°  
Efficiency 88 %  
Peak intensity 4.7 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



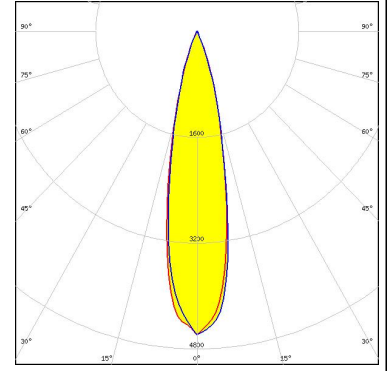
### OPTICAL RESULTS (SIMULATED):



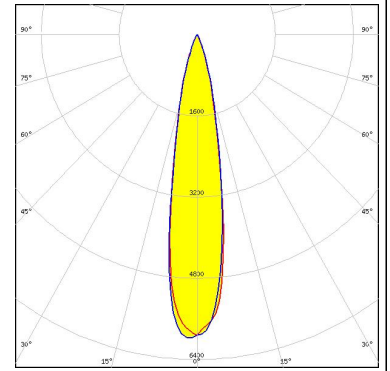
LED XHP70.2  
FWHM / FWTM 24.0° / 44.0°  
Efficiency 87 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



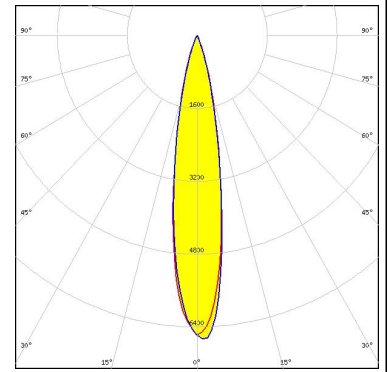
LED XM-L RGBW (XMLCTW)  
FWHM / FWTM 23.0° / 42.0°  
Efficiency 85 %  
Peak intensity 4.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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:



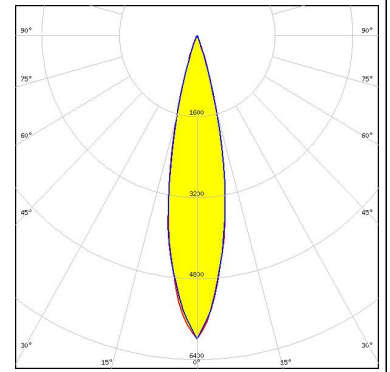
LED XM-L RGBW (XMLDCL HI)  
FWHM / FWTM 19.0 + 18.0° / 38.0°  
Efficiency 92 %  
Peak intensity 6.7 cd/lm  
LEDs/each optic 1  
Light colour RGBW  
Required components:



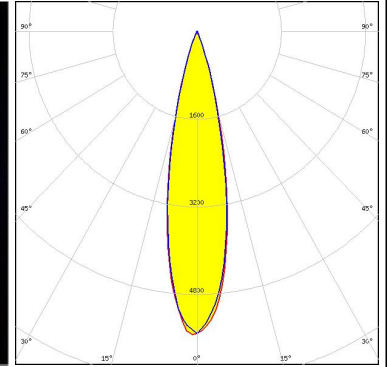
### OPTICAL RESULTS (SIMULATED):



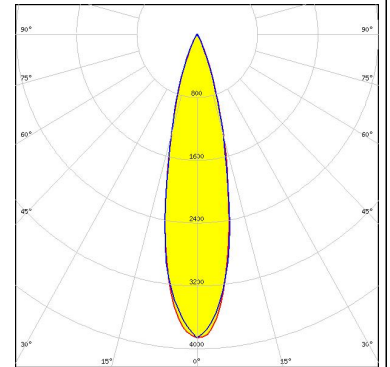
LED XP-E2  
FWHM / FWTM 22.0° / 38.0°  
Efficiency 92 %  
Peak intensity 6 cd/Im  
LEDs/each optic 1  
Light colour Amber  
Required components:



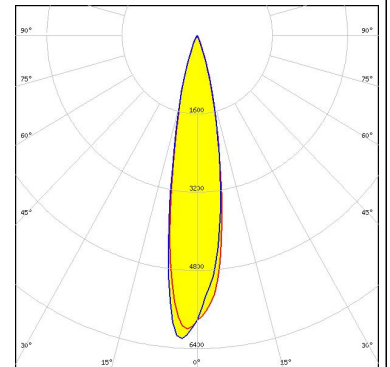
LED LZ7 Plus (LZ7-04M2PD)  
FWHM / FWTM 23.0° / 39.0°  
Efficiency 93 %  
Peak intensity 5.5 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



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



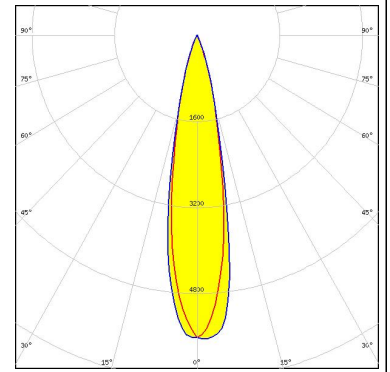
LED LUXEON Rubix  
FWHM / FWTM 20.0 + 19.0° / 38.0°  
Efficiency 93 %  
Peak intensity 6.8 cd/Im  
LEDs/each optic 4  
Light colour RGBW  
Required components:



### OPTICAL RESULTS (SIMULATED):

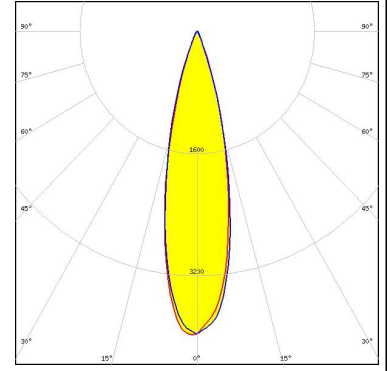
#### OSRAM Opto Semiconductors

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

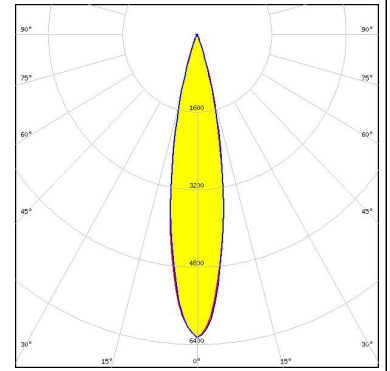
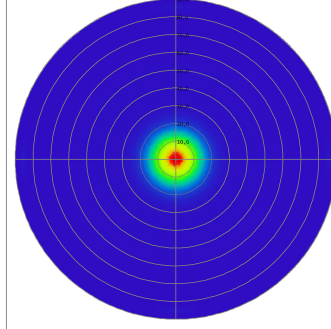
LED OSTAR Stage (S2WP)  
FWHM / FWTM 25.0°  
Efficiency 86 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM Opto Semiconductors

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

Polar intensity graph



### 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.

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