

GABRIELLA-45-S

~9° spot beam with holder

SPECIFICATION:

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

MATERIALS:

Component	Type	Material	Colour	Finish
C15927_GABRIELLA-45-S	Single lens	PMMA	clear	
C15528_GABRIELLA-45-HLD	Holder	PC	black	

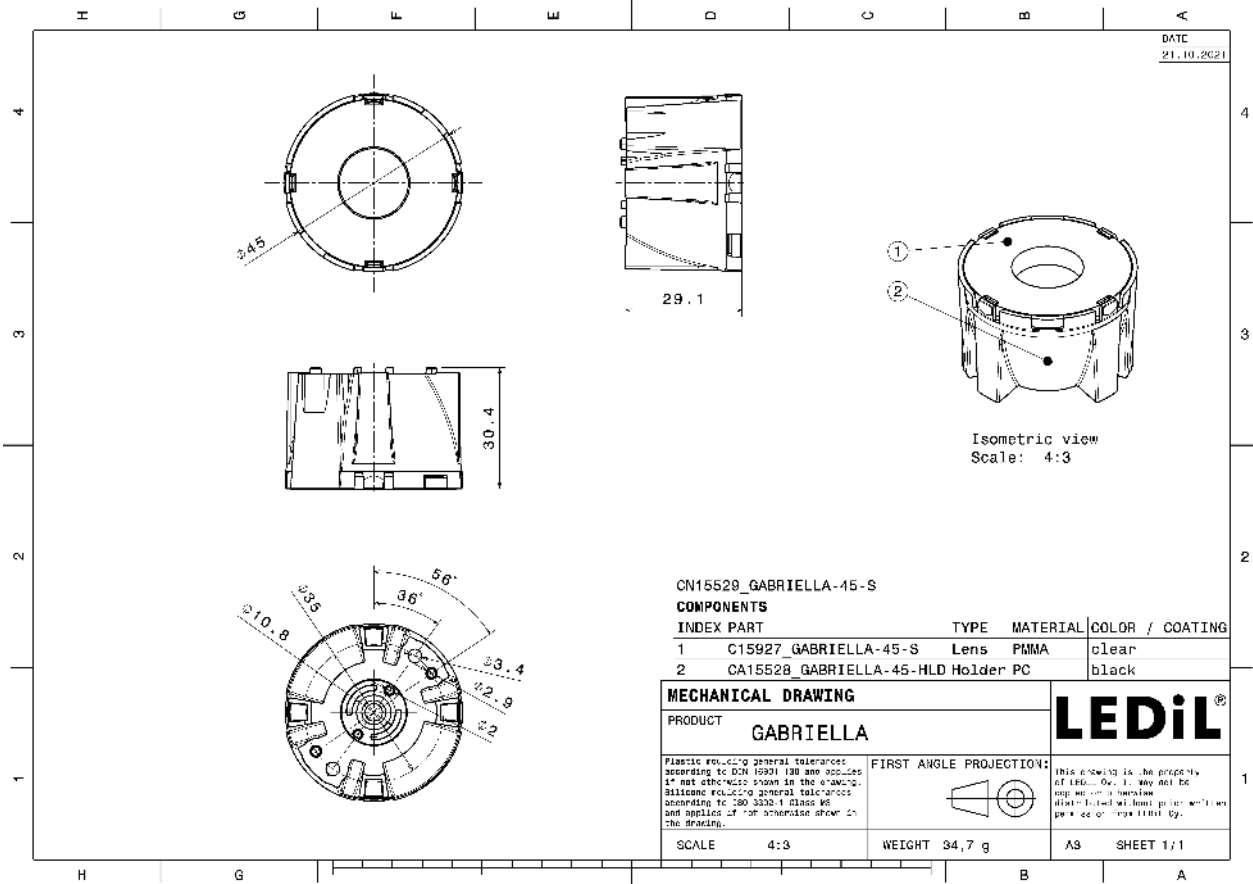
ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1


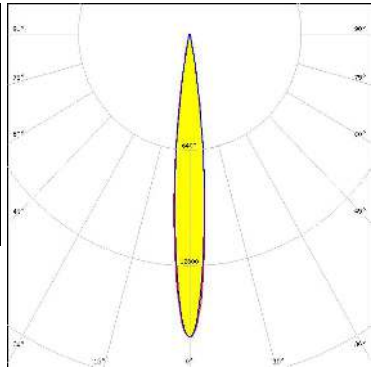

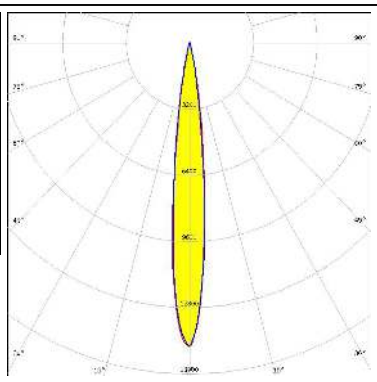

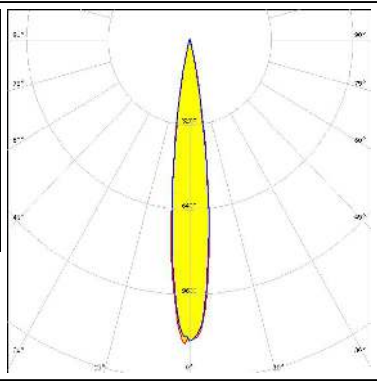

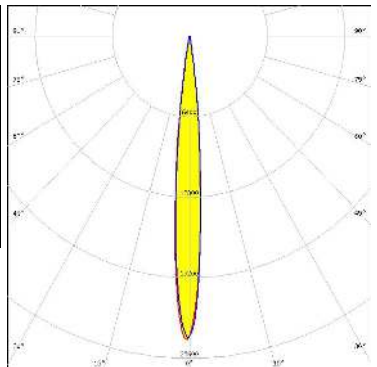


Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15927_GABRIELLA-45-S	Single lens	405	90	45	11.5
» Box size: 476 x 273 x 292 mm					
C15528_GABRIELLA-45-HLD	Holder	405	90	45	5.1
» Box size: 476 x 273 x 292 mm					

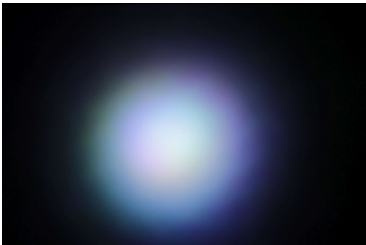
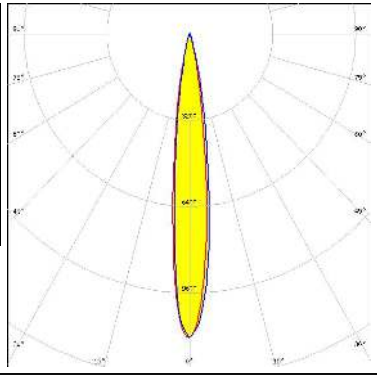
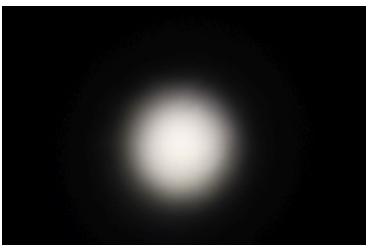
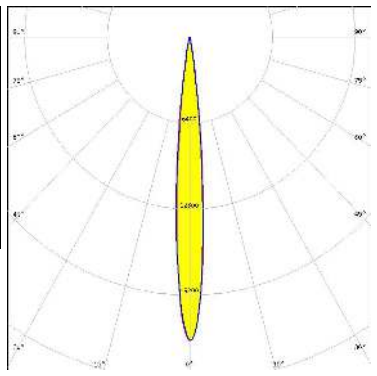

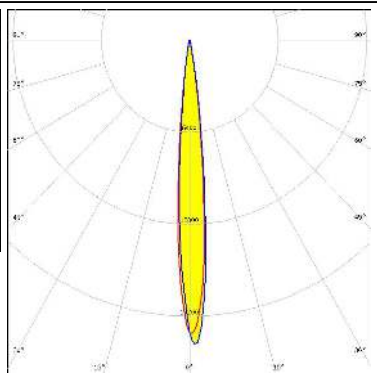

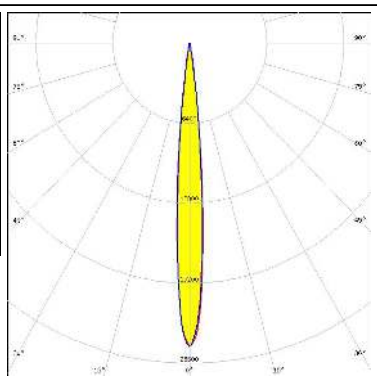


See also our general installation guide: www.ledil.com/installation_guide



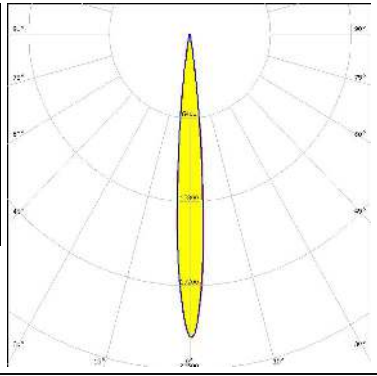


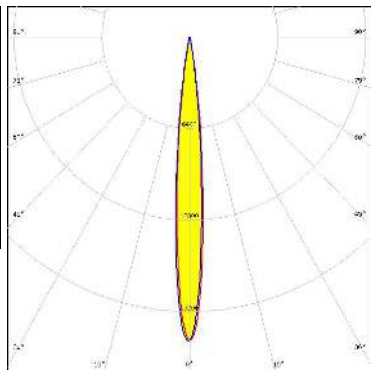


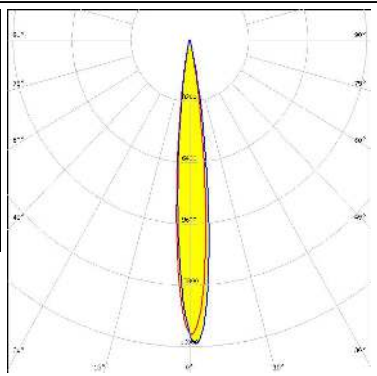
OPTICAL RESULTS (MEASURED):

<p>CREE LED</p> <p>LED XM-L RGBW (XMLCTW)</p> <p>FWHM / FWTM 12.0° / 21.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 17 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON 5052 RGBW</p> <p>FWHM / FWTM 12.0° / 23.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 14.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 14.0° / 25.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 11.4 cd/lm</p> <p>LEDs/each optic 4</p> <p>Light colour RGBW</p> <p>Required components:</p>		
<p>LUMINUS</p> <p>LED SBM-40-RGBW</p> <p>FWHM / FWTM 10.0° / 18.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 24 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		


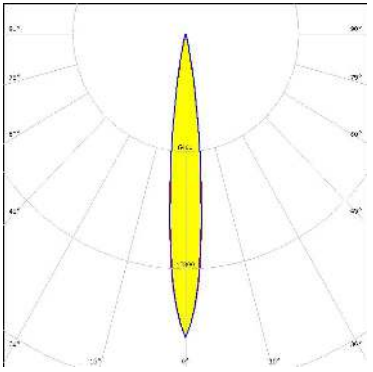

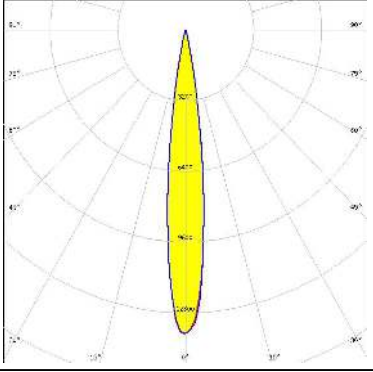

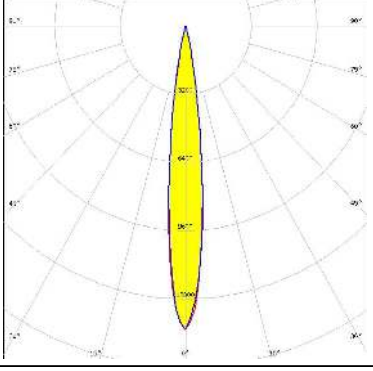

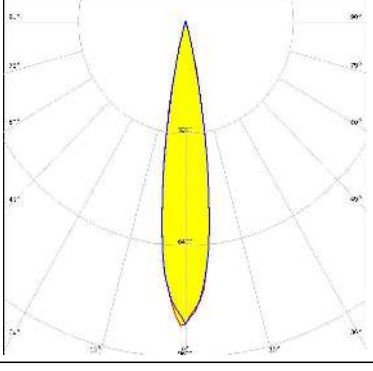
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 13.0° / 27.0° Efficiency 91 % Peak intensity 11 cd/lm LEDs/each optic 4 Light colour RGBW Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219F FWHM / FWTM 10.0° / 18.0° Efficiency 91 % Peak intensity 22.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON Square EC FWHM / FWTM 10.0° / 19.0° Efficiency 88 % Peak intensity 21.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSTAR Stage (S2WN) FWHM / FWTM 10.0° / 17.0° Efficiency 87 % Peak intensity 24 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		


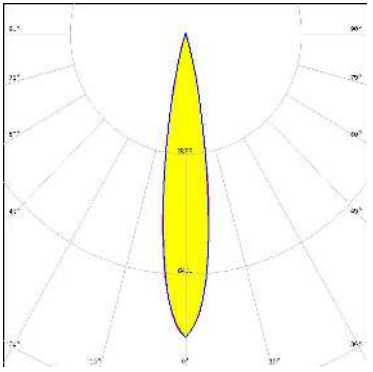

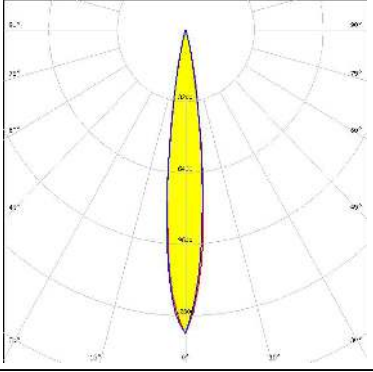

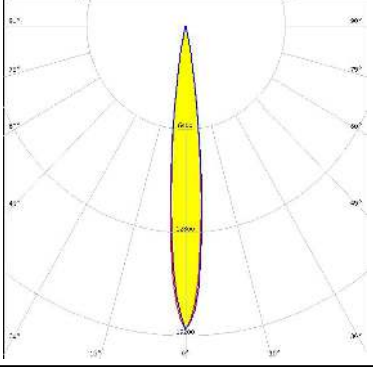

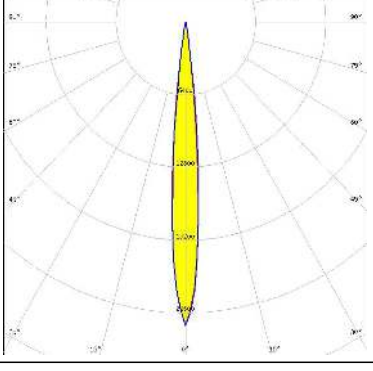
OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED SPF05F0A</p> <p>FWHM / FWTM 10.0° / 18.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 23.4 cd/lm</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 10.0° / 19.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 21.3 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 12.0° / 22.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 15.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour RGBW</p> <p>Required components:</p>		

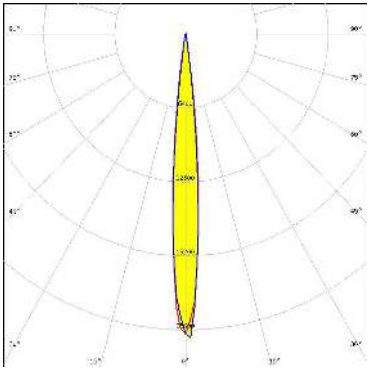
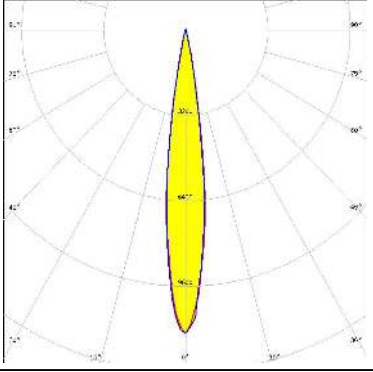
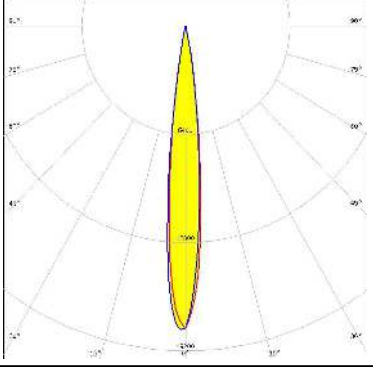
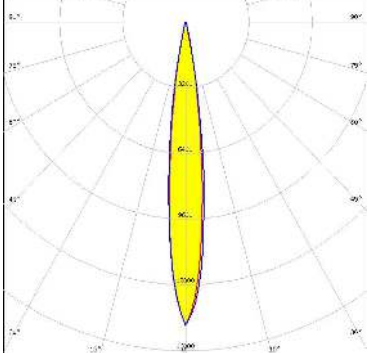
OPTICAL RESULTS (SIMULATED):

	<p>LED CLQ6A-TKW FWHM / FWTM 12.3° / 23.3° Efficiency 94 % Peak intensity 16.6 cd/lm LEDs/each optic 1 Light colour RGBW Required components:</p>	
	<p>LED XHP50 FWHM / FWTM 14.0° / 24.0° Efficiency 92 % Peak intensity 13.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XHP50.2 FWHM / FWTM 13.0° / 25.0° Efficiency 91 % Peak intensity 14.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XHP70 FWHM / FWTM 18.0° / 29.0° Efficiency 90 % Peak intensity 8.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

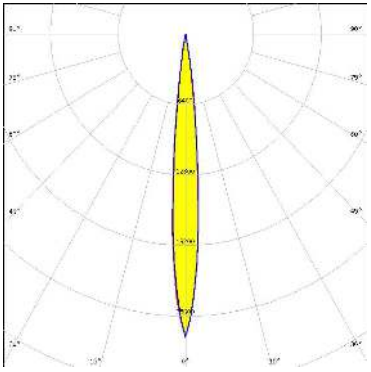
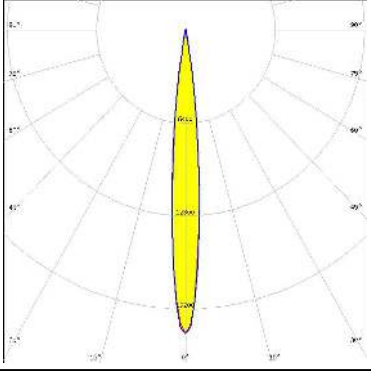
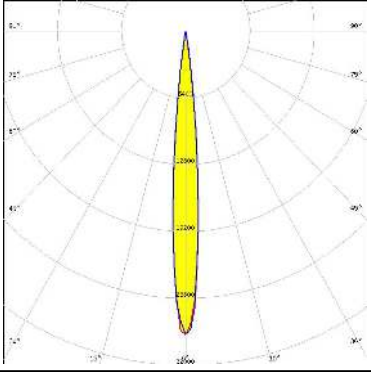
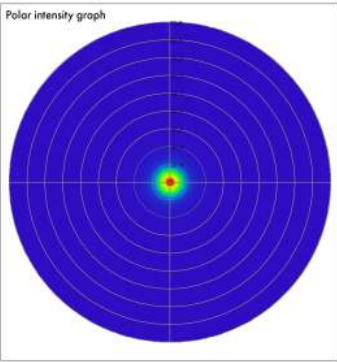
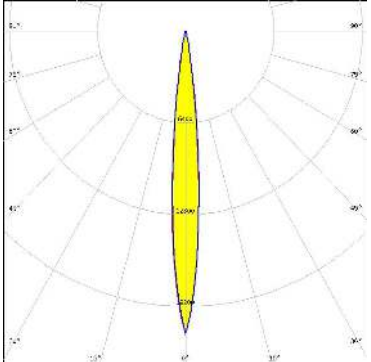
OPTICAL RESULTS (SIMULATED):

	<p>LED XHP70.2 FWHM / FWTM 17.0° / 30.0° Efficiency 89 % Peak intensity 8.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XM-L RGBW (XMLDCL HD) FWHM / FWTM 14.0° / 25.0° Efficiency 94 % Peak intensity 13.6 cd/lm LEDs/each optic 1 Light colour RGBW Required components:</p>	
	<p>LED XM-L RGBW (XMLDCL HI) FWHM / FWTM 12.0° / 22.0° Efficiency 94 % Peak intensity 18.8 cd/lm LEDs/each optic 1 Light colour RGBW Required components:</p>	
	<p>LED XP-E2 FWHM / FWTM 10.0° / 18.0° Efficiency 93 % Peak intensity 26.7 cd/lm LEDs/each optic 1 Light colour Amber Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LED ENGIN</p> <p>LED LZ4-04MDPB FWHM / FWTM 10.0° / 18.0° Efficiency 92 % Peak intensity 28.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON C FWHM / FWTM 14.0° / 24.0° Efficiency 85 % Peak intensity 11.5 cd/lm LEDs/each optic 4 Light colour RGBW Required components:</p>	
<p>LUMILEDS</p> <p>LED LUXEON Rubix FWHM / FWTM 12.0° / 22.0° Efficiency 94 % Peak intensity 18 cd/lm LEDs/each optic 4 Light colour RGBW Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED DURIS E 5050 (GW J9LHS1.4M) FWHM / FWTM 13.0 + 14.0° / 24.0° Efficiency 93 % Peak intensity 14.8 cd/lm LEDs/each optic 1 Light colour RGBW Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM <small>Opto Semiconductors</small>	<p>LED OSLOⁿ Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 10.0° / 18.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 27.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED OSTAR Stage (S2WP)</p> <p>FWHM / FWTM 11.0° / 19.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 22.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED Ostar-SMT RGB</p> <p>FWHM / FWTM 10.0° / 17.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 31.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
OSRAM <small>Opto Semiconductors</small>	<p>LED SFH 4717AS</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 93 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	<p>Polar intensity graph</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:

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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