

## LARISA-O-CLIP8

~40° x 20° oval beam. Clip fastening for 0.8 mm thick PCB.

### SPECIFICATION:

Dimensions	9.9 x 9.9 mm
Height	7.5 mm
Fastening	clips
ROHS compliant	yes ⓘ

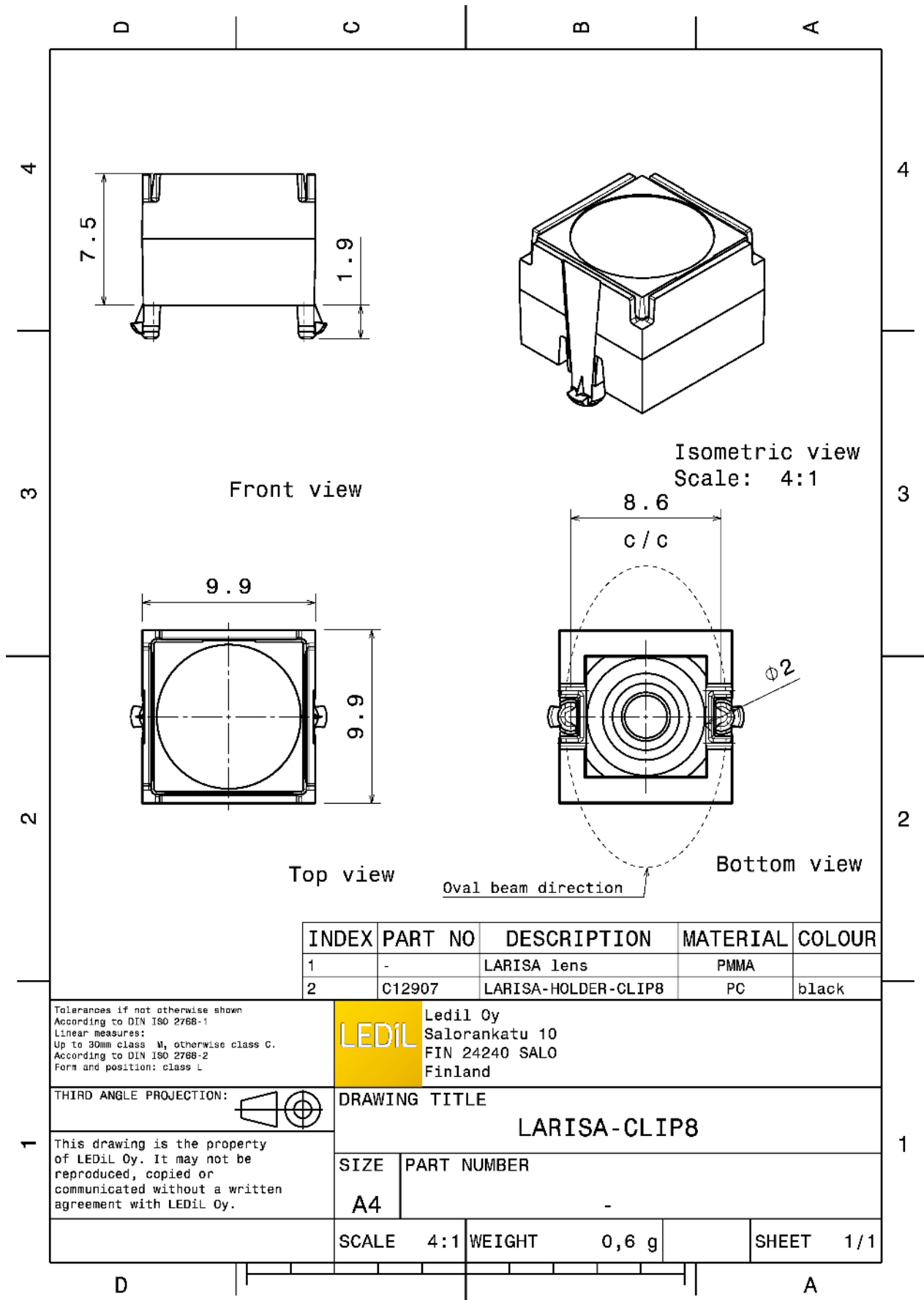


### MATERIALS:

Component	Type	Material	Colour	Finish
LARISA-O	Single lens	PMMA	clear	
LARISA-HOLDER-CLIP8	Holder	PC	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12942_LARISA-O-CLIP8	Single lens	10000	300	100	6.8
» Box size: 300 x 250 x 250 mm					

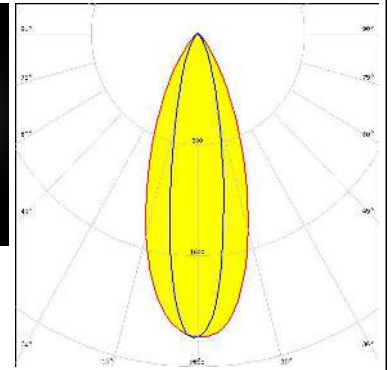
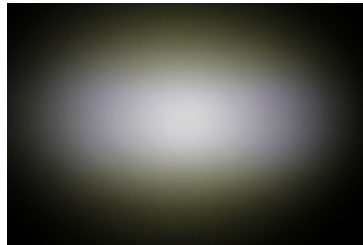


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

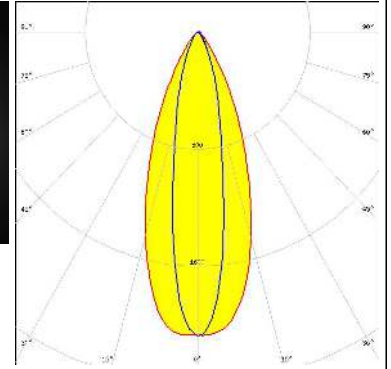
##### CREE ⇄ LED

LED XB-D  
 FWHM / FWTM 39.0 + 21.0° / 73.0 + 49.0°  
 Efficiency 79 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



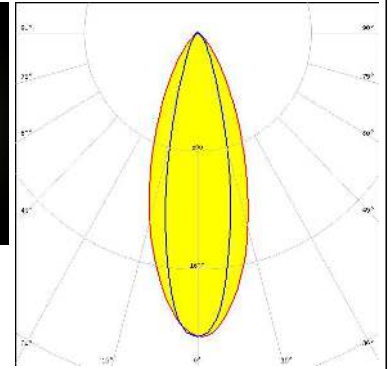
##### CREE ⇄ LED

LED XD16  
 FWHM / FWTM 40.0 + 20.0° / 72.0 + 51.0°  
 Efficiency 75 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



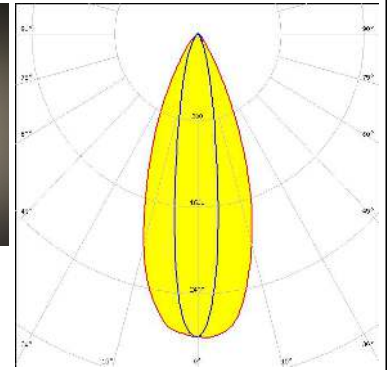
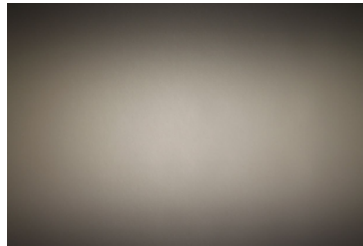
##### CREE ⇄ LED

LED XP-G  
 FWHM / FWTM 39.0 + 25.0° / 76.0 + 51.0°  
 Efficiency 83 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

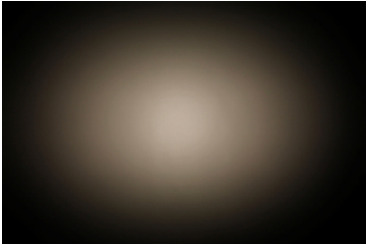
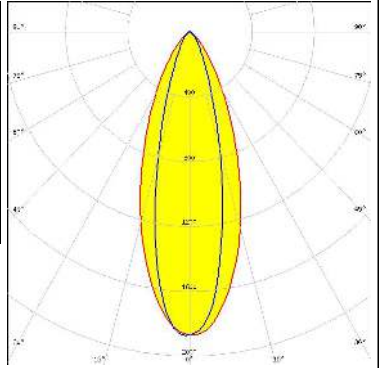

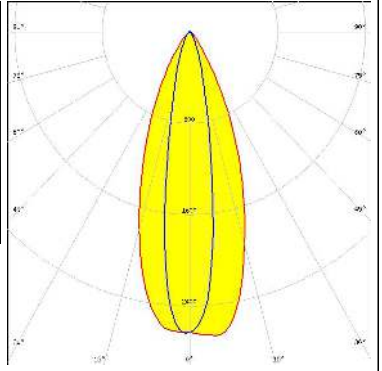
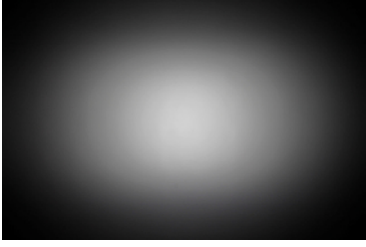
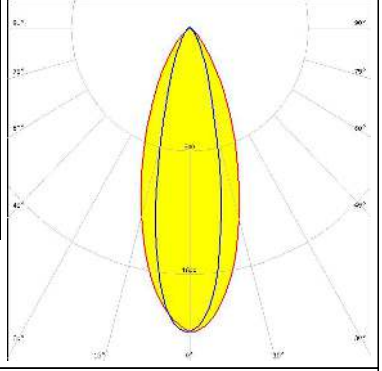
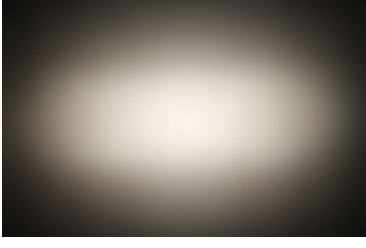
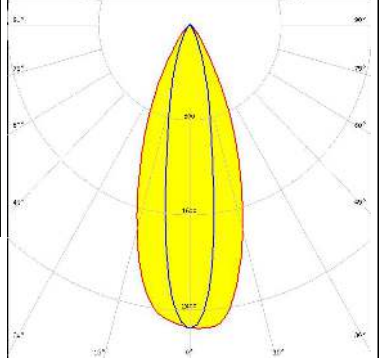


##### CREE ⇄ LED



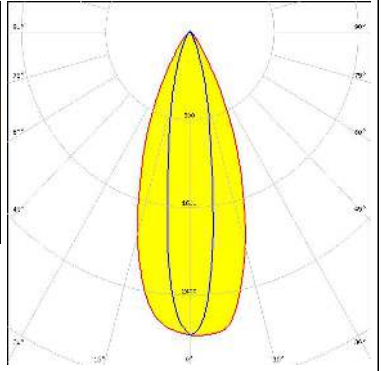

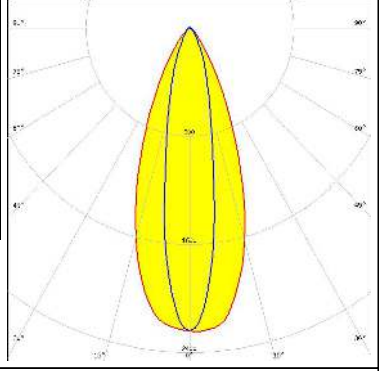
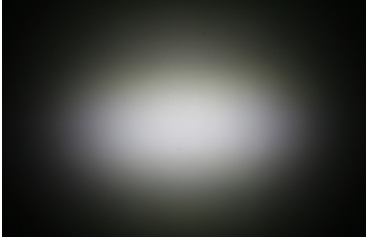
LED XQ-E HD  
 FWHM / FWTM 40.0 + 17.0° / 68.0 + 42.0°  
 Efficiency 82 %  
 Peak intensity 2.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



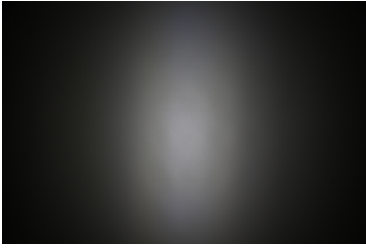
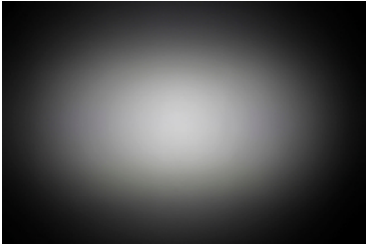
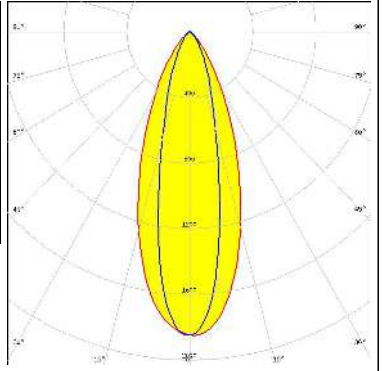
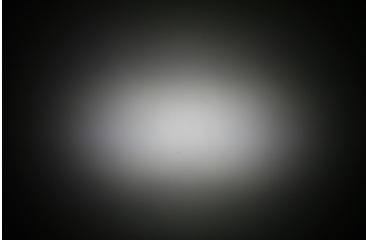
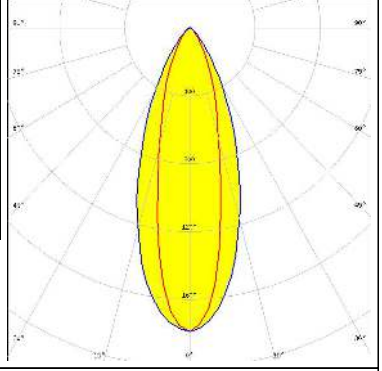

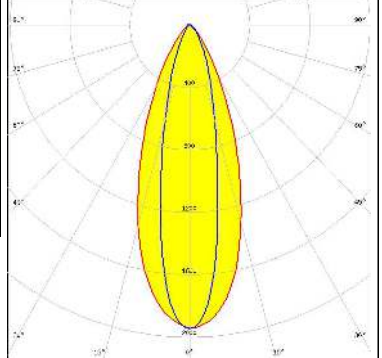
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON A</p> <p>FWHM / FWTM 39.0 + 26.0° / 78.0 + 55.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 1.9 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 Rebel</p> <p>FWHM / FWTM 40.0 + 18.0° / 70.0 + 42.0°</p> <p>Efficiency 84 %</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 Rebel ES</p> <p>FWHM / FWTM 39.0 + 25.0° / 77.0 + 54.0°</p> <p>Efficiency 82 %</p> <p>Peak intensity 2 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 Rebel Plus</p> <p>FWHM / FWTM 40.0 + 19.0° / 69.0 + 46.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 2.6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

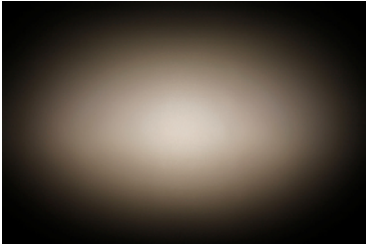
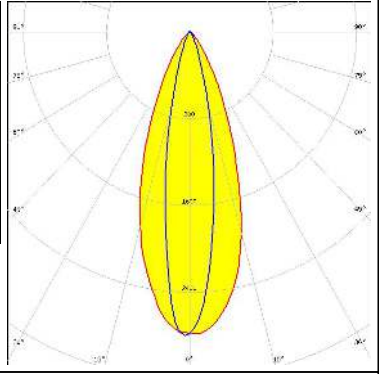

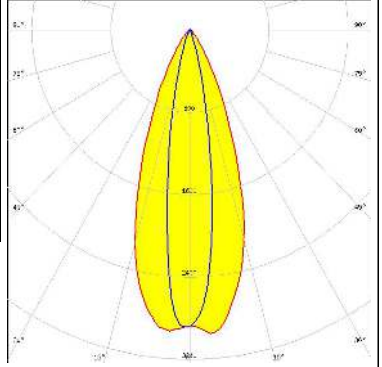
#### OPTICAL RESULTS (MEASURED):

<p><b>LUMILEDS</b></p> <p>LED LUXEON Z</p> <p>FWHM / FWTM 41.0 + 14.0° / 62.0 + 36.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 3.5 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 Z ES</p> <p>FWHM / FWTM 40.0 + 18.0° / 68.0 + 44.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 2.8 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 NCSxx19A</p> <p>FWHM / FWTM 41.0 + 19.0° / 71.0 + 50.0°</p> <p>Efficiency 81 %</p> <p>Peak intensity 2.3 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 NF2x757A</p> <p>FWHM / FWTM 41.0 + 33.0° / 75.0 + 60.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

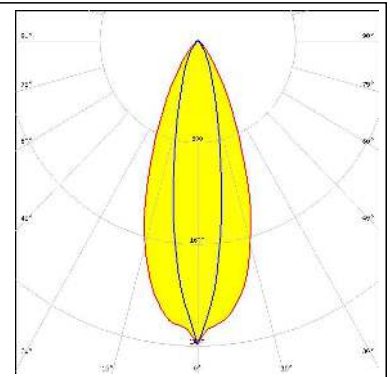
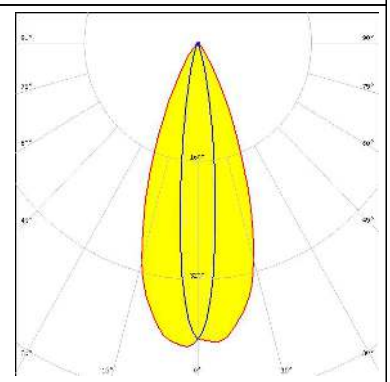
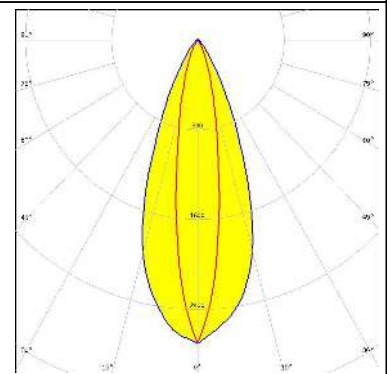
#### OPTICAL RESULTS (MEASURED):

<p><b>NICHIA</b></p> <p>LED NF2x757G</p> <p>FWHM / FWTM 42.0 + 25.0° / 80.0 + 70.0°</p> <p>Efficiency 76 %</p> <p>Peak intensity 1.5 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 NVSxx19A</p> <p>FWHM / FWTM 40.0 + 24.0° / 77.0 + 57.0°</p> <p>Efficiency 79 %</p> <p>Peak intensity 1.9 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 Duris S5 (2 chip)</p> <p>FWHM / FWTM 26.0 + 41.0° / 63.0 + 77.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 1.8 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 OSLON Square EC</p> <p>FWHM / FWTM 40.0 + 22.0° / 74.0 + 55.0°</p> <p>Efficiency 78 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 39.0 + 19.0° / 70.0 + 40.0°</p> <p>Efficiency 84 %</p> <p>Peak intensity 2.9 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 OSLON SSL 80</p> <p>FWHM / FWTM 40.0 + 17.0° / 70.0 + 48.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: J Series 2835            FWHM / FWTM: 40.0 + 19.0° / 72.0 + 50.0°            Efficiency: 82 %            Peak intensity: 2.4 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>CREE</b> LED</p> <p>LED: XQ-E HI            FWHM / FWTM: 40.0 + 14.0° / 64.0 + 29.0°            Efficiency: 89 %            Peak intensity: 4.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NCSxE17A            FWHM / FWTM: 18.0 + 40.0° / 42.0 + 68.0°            Efficiency: 79 %            Peak intensity: 2.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</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:

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