

## LISA4-W

~36° wide beam with integrated pins on lens

### SPECIFICATION:

Dimensions	Ø 10.0 mm
Height	7.7 mm
Fastening	pin
ROHS compliant	yes ⓘ

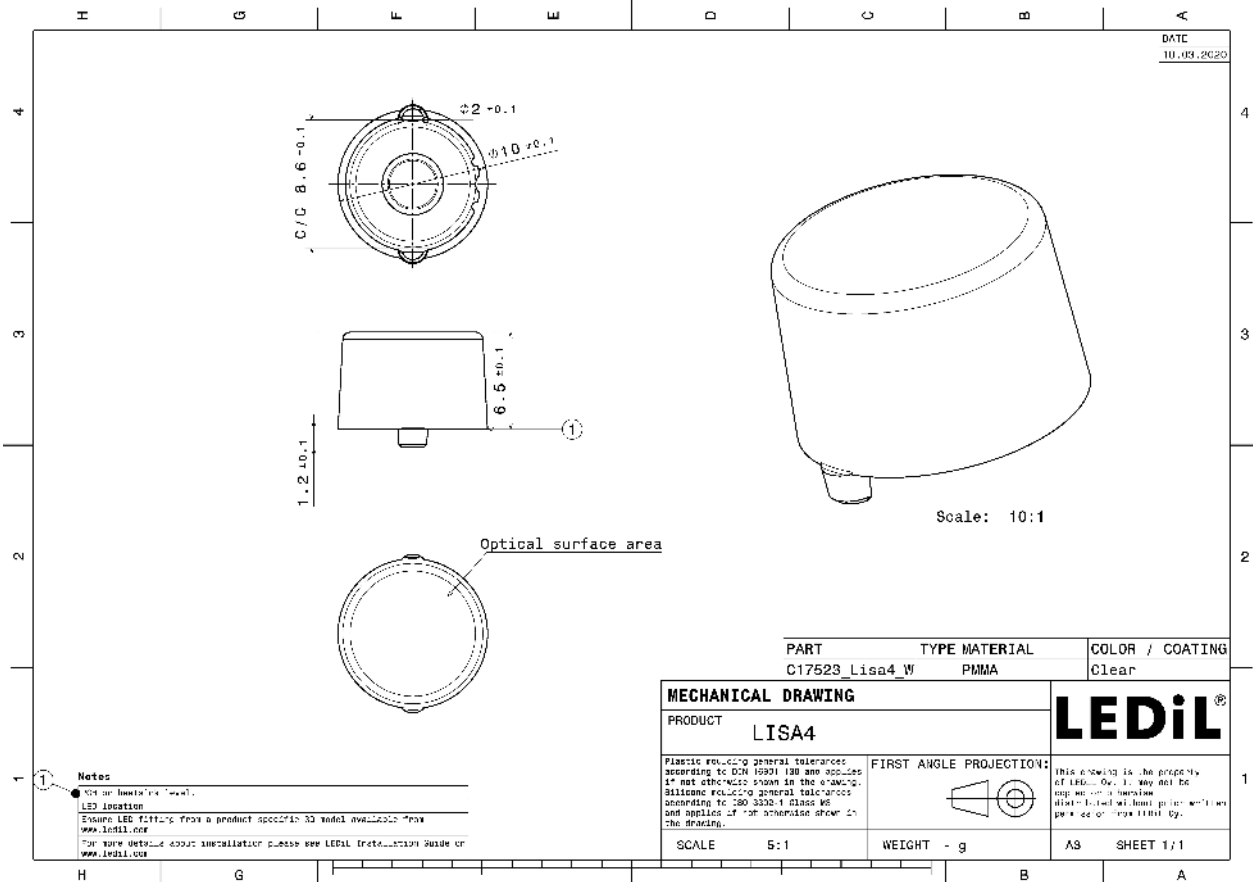
### MATERIALS:

Component	Type	Material	Colour	Finish
LISA4-W	Single lens	PMMA	clear	

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17523_LISA4-W » Box size: 430 x 390 x 215 mm	20000	1000	1000	7.5



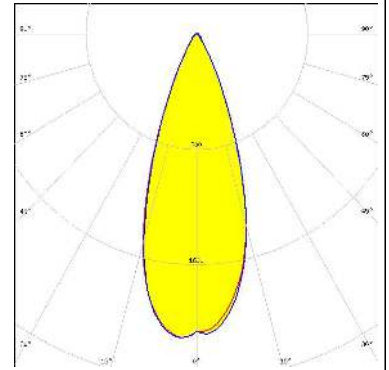


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (SIMULATED):

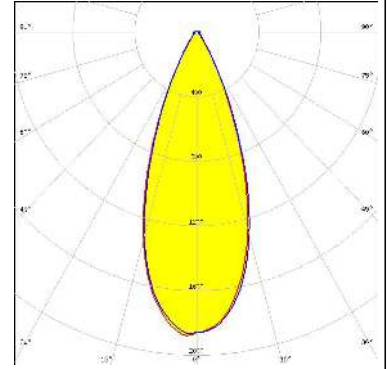
##### CREE → LED

LED XP-E2  
 FWHM / FWTM 36.0° / 61.0°  
 Efficiency 95 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



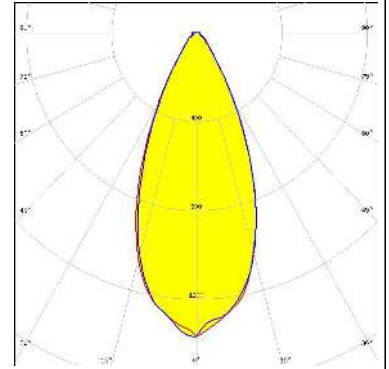
##### CREE → LED

LED XP-G2  
 FWHM / FWTM 38.0° / 64.0°  
 Efficiency 95 %  
 Peak intensity 1.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



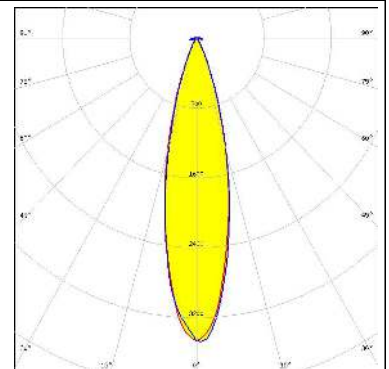
##### CREE → LED

LED XP-G3  
 FWHM / FWTM 45.0° / 76.0°  
 Efficiency 95 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:


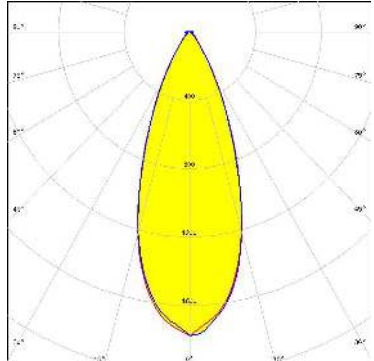

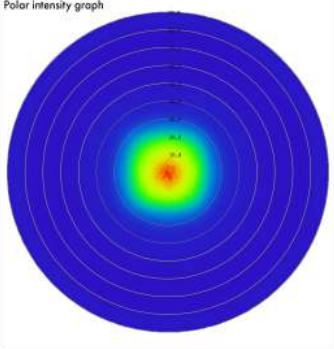
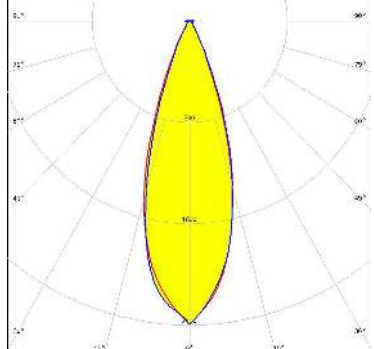

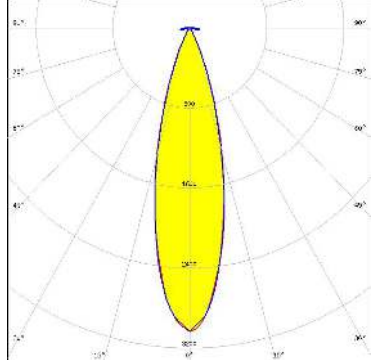

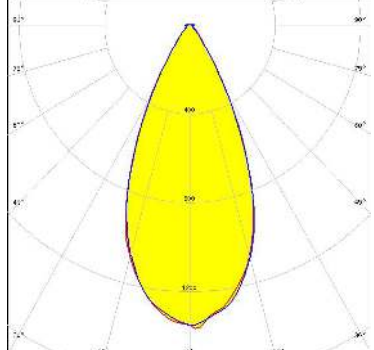


##### LUMILEDS

LED LUXEON HL1Z  
 FWHM / FWTM 26.0 + 25.0° / 48.0 + 47.0°  
 Efficiency 97 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

	<p>LED LUXEON TX            FWHM / FWTM 38.0° / 67.0°            Efficiency 96 %            Peak intensity 1.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
	<p>LED SST-10-IR-B90            FWHM / FWTM 33.0° / 55.0°            Efficiency 93 %            LEDs/each optic 1            Light colour IR            Required components:</p>	<p>Polar intensity graph</p> 	
	<p>LED NCSxE17A            FWHM / FWTM 27.0° / 50.0°            Efficiency 95 %            Peak intensity 3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
	<p>LED NVSW219F            FWHM / FWTM 47.0° / 72.0°            Efficiency 93 %            Peak intensity 1.4 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S5 (2 chip)</p> <p>FWHM / FWTM 35.0° / 60.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 2.2 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 (Single chip)</p> <p>FWHM / FWTM 30.0° / 56.0°</p> <p>Efficiency 95 %</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>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM 33.0° / 57.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 2.6 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 OSCONIQ P 3737 (3W version)</p> <p>FWHM / FWTM 45.0° / 72.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 1.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

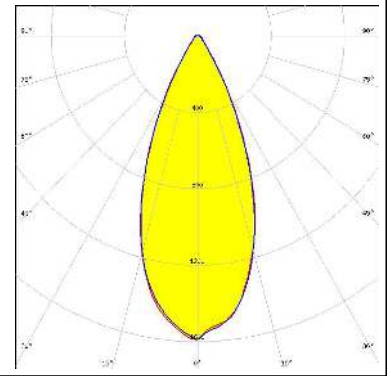
### OPTICAL RESULTS (SIMULATED):

<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSCONIQ S 3030 (QSLR31)</p> <p>FWHM / FWTM 37.0° / 63.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 2.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 40.0° / 68.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 1.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSLON Square EC</p> <p>FWHM / FWTM 36.0° / 60.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<b>OSRAM</b> <small>Opto Semiconductors</small>	<p>LED OSLON SSL 80</p> <p>FWHM / FWTM 29.0° / 53.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 2.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

## OPTICAL RESULTS (SIMULATED):

### SAMSUNG

LED	LH351B
FWHM / FWTM	42.0° / 70.0°
Efficiency	95 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
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:

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