

LISA4-RS

~16° spot beam with integrated pins on lens

SPECIFICATION:

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

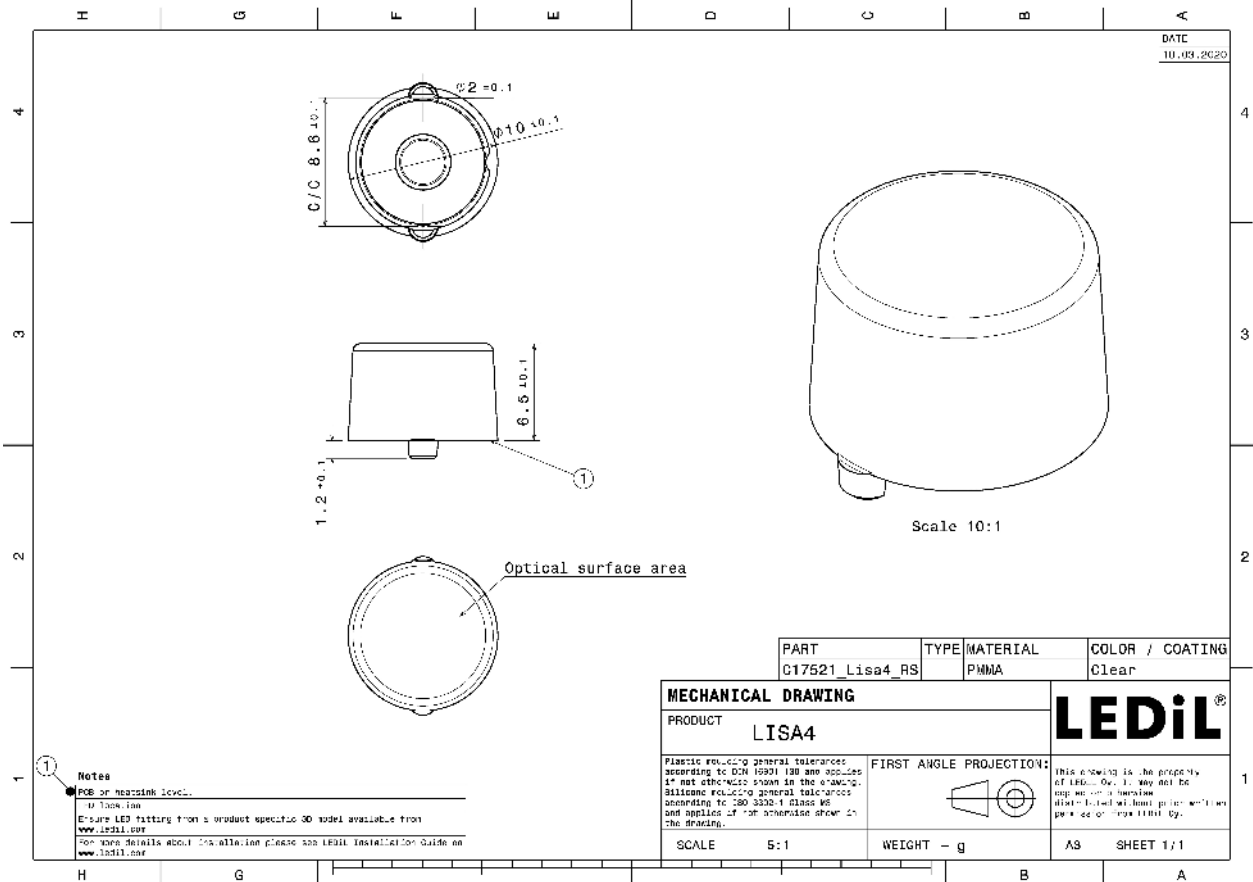
MATERIALS:

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



ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C17521_LISA4-RS » Box size: 430 x 390 x 215 mm	20000	1000	1000	7.5

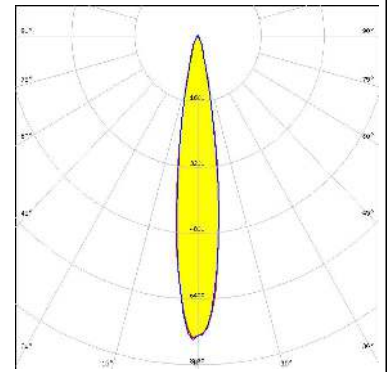


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (SIMULATED):

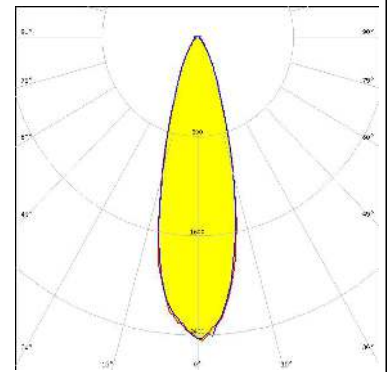
CREE LED

LED XP-E2
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 95 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



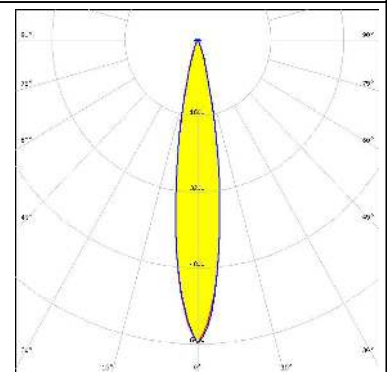
CREE LED

LED XP-G3
 FWHM / FWTM 29.0° / 60.0°
 Efficiency 94 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



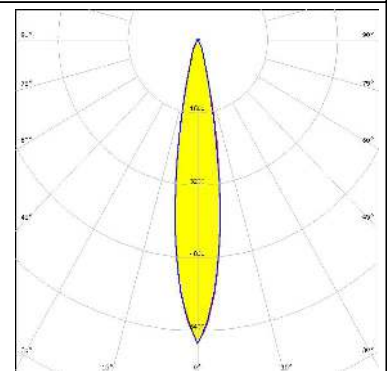
LUMILEDS

LED LUXEON HL1Z
 FWHM / FWTM 18.0° / 34.0 + 33.0°
 Efficiency 96 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

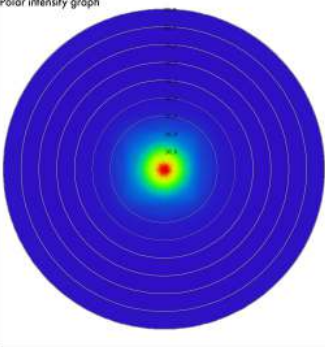
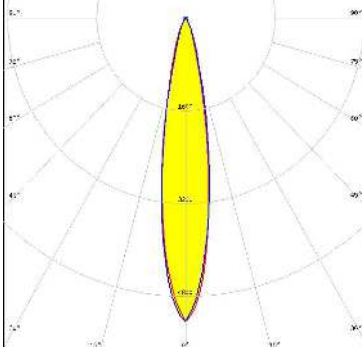
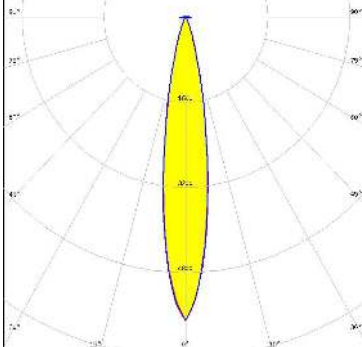
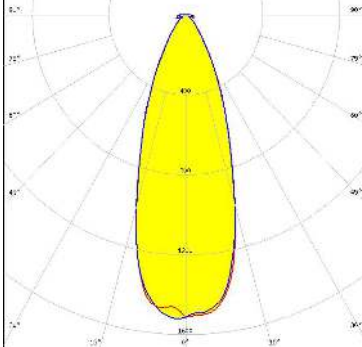
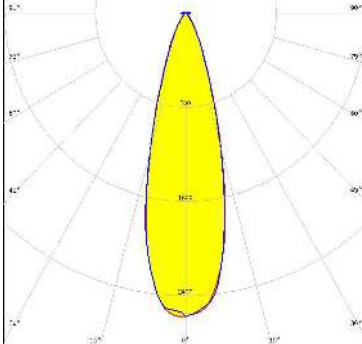


LUMILEDS

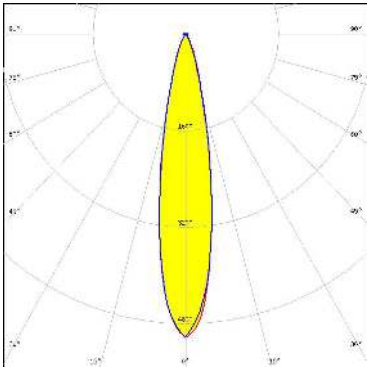
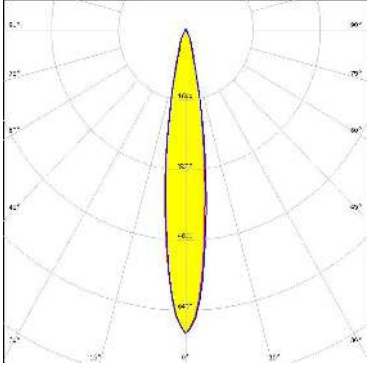
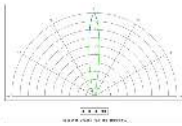
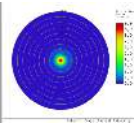
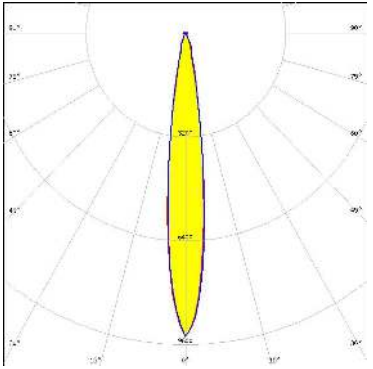
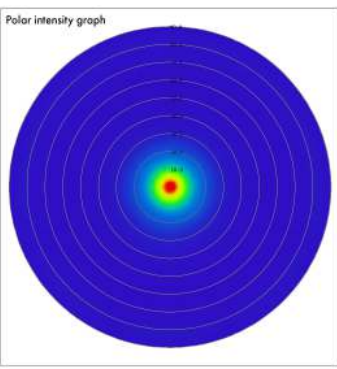
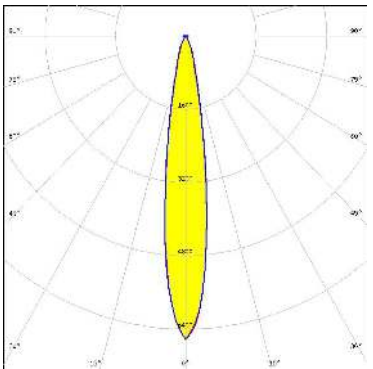
LED LUXEON Z ES
 FWHM / FWTM 18.0° / 33.0°
 Efficiency 92 %
 Peak intensity 6.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>LUMINUS</p> <p>LED SST-10-IR-B90 FWHM / FWTM 18.0° / 39.0° Efficiency 90 % LEDs/each optic 1 Light colour IR Required components:</p>	<p>Polar intensity graph</p> 	
<p>NICHIA</p> <p>LED NCSxE17A FWHM / FWTM 18.0° / 36.0° Efficiency 93 % Peak intensity 5.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NV4WB35AM FWHM / FWTM 36.0° / 73.0° Efficiency 93 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 29.0° / 55.0° Efficiency 91 % Peak intensity 2.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

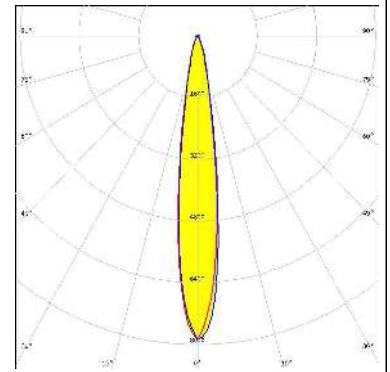
OPTICAL RESULTS (SIMULATED):

OSRAM <small>Opto Semiconductors</small>	<p>LED OSCONIQ C 2424</p> <p>FWHM / FWTM 20.0° / 41.0°</p> <p>Efficiency 95 %</p> <p>Peak intensity 5 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 OSLOM SSL 80</p> <p>FWHM / FWTM 16.0° / 33.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 6.9 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 4714A</p> <p>FWHM / FWTM 14.0° / 27.0°</p> <p>Efficiency 96 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	 	
OSRAM <small>Opto Semiconductors</small>	<p>LED SFH 4770S</p> <p>FWHM / FWTM 16.0° / 34.0°</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> 	

OPTICAL RESULTS (SIMULATED):

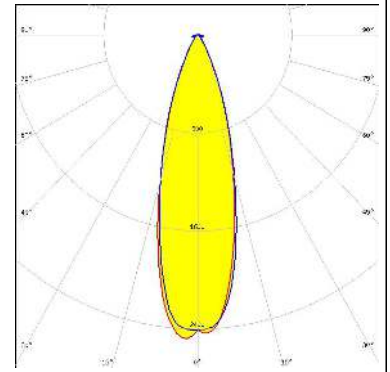
OSRAM
Opto Semiconductors

LED Synios P2720 1/2 mm
FWHM / FWTM 15.0° / 32.0°
Efficiency 95 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOL
SEOUL SEMICONDUCTOR

LED Z5M4
FWHM / FWTM 30.0° / 56.0°
Efficiency 93 %
Peak intensity 2.5 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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