

LISA-RS

~15° spot beam optimized for CREE XP-E

SPECIFICATION:

Dimensions	Ø 10.8 mm
Height	7.3 mm
Fastening	glue
ROHS compliant	yes ⓘ

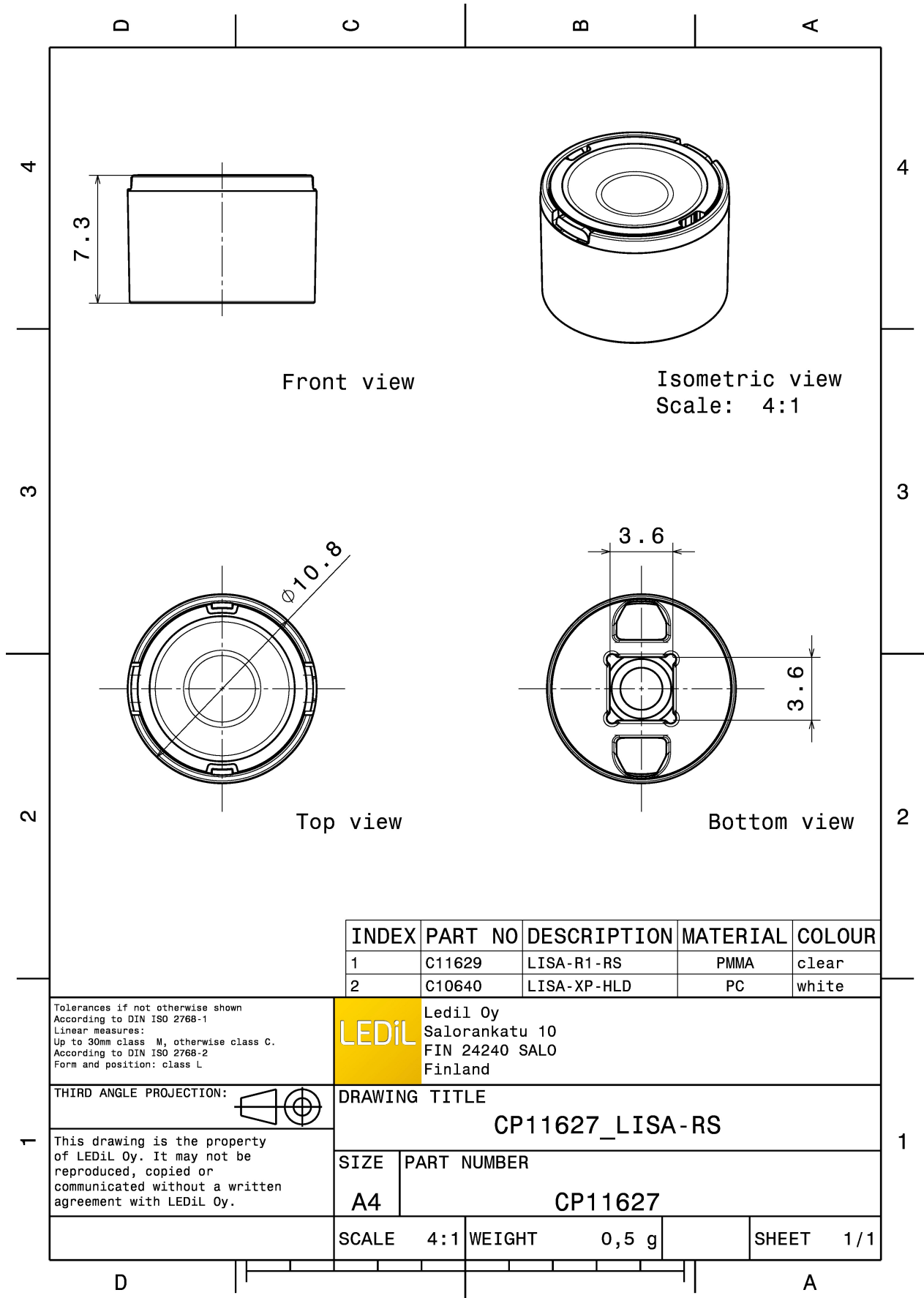
MATERIALS:

Component	Type	Material	Colour	Finish
LISA-R1-RS	Single lens	PMMA	clear	
LISA-XP-HLD	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP11627_LISA-RS	Single lens	10000	300	100	5.5
» Box size: 300 x 250 x 250 mm					



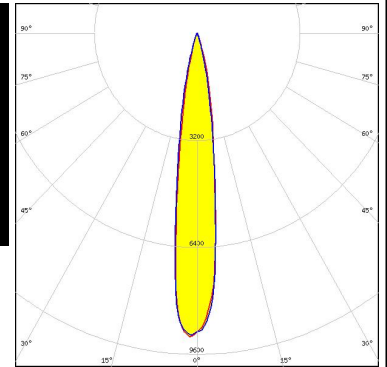
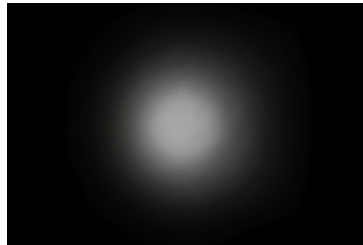


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED

LED XP-E
 FWHM / FWTM 15.0° / 31.0°
 Efficiency 94 %
 Peak intensity 9.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



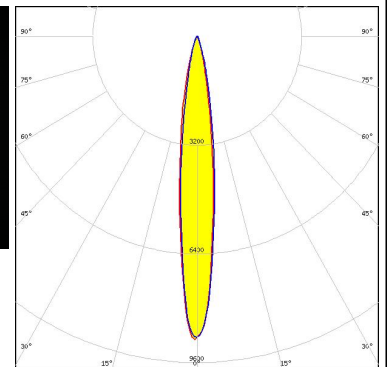
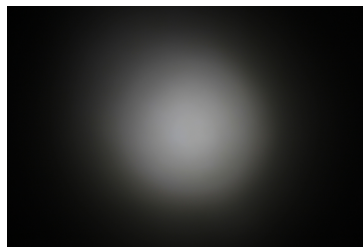
CREE LED

LED XP-G
 FWHM / FWTM 23.0° / 44.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour White
 Required components:



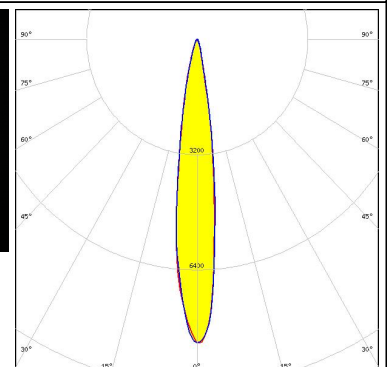
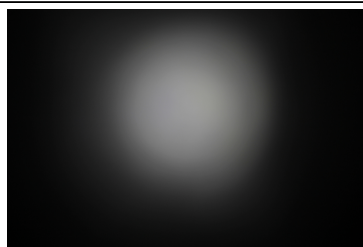
OSRAM Opto Semiconductors

LED OSOLON SSL 150
 FWHM / FWTM 13.0° / 31.0°
 Efficiency 94 %
 Peak intensity 8.9 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors

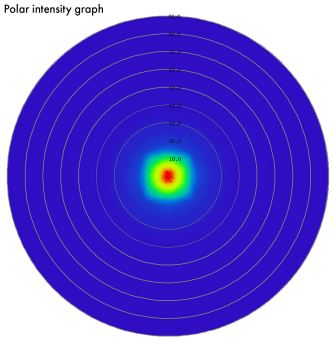
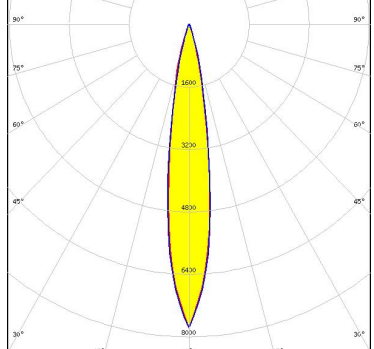
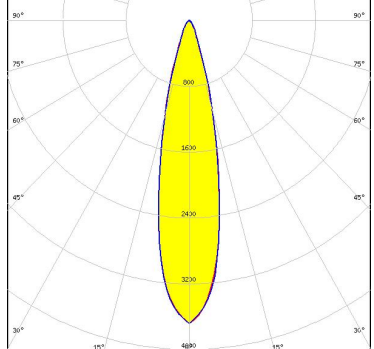
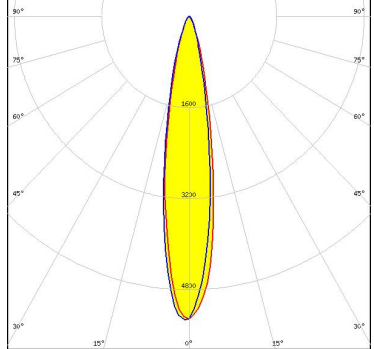
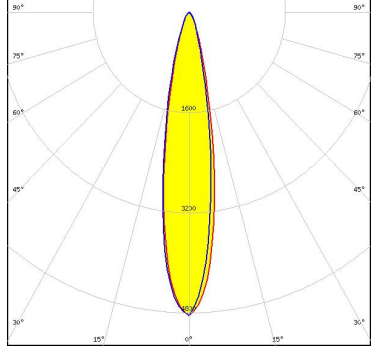
LED OSOLON SSL 80
 FWHM / FWTM 15.0° / 29.0°
 Efficiency 93 %
 Peak intensity 8.4 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):

<p>LUMINUS</p> <p>LED SST-10-IR-B90 FWHM / FWTM 16.0° / 34.0° Efficiency 93 % LEDs/each optic 1 Light colour IR Required components:</p>	<p>Polar intensity graph</p> 	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 24.0° / 44.0° Efficiency 87 % Peak intensity 3.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (2 chip) FWHM / FWTM 19.0° / 40.0° Efficiency 94 % Peak intensity 5.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED Duris S5 (Single chip) FWHM / FWTM 19.3° / 41.2° Efficiency 94 % 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:

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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