

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 ⓘ

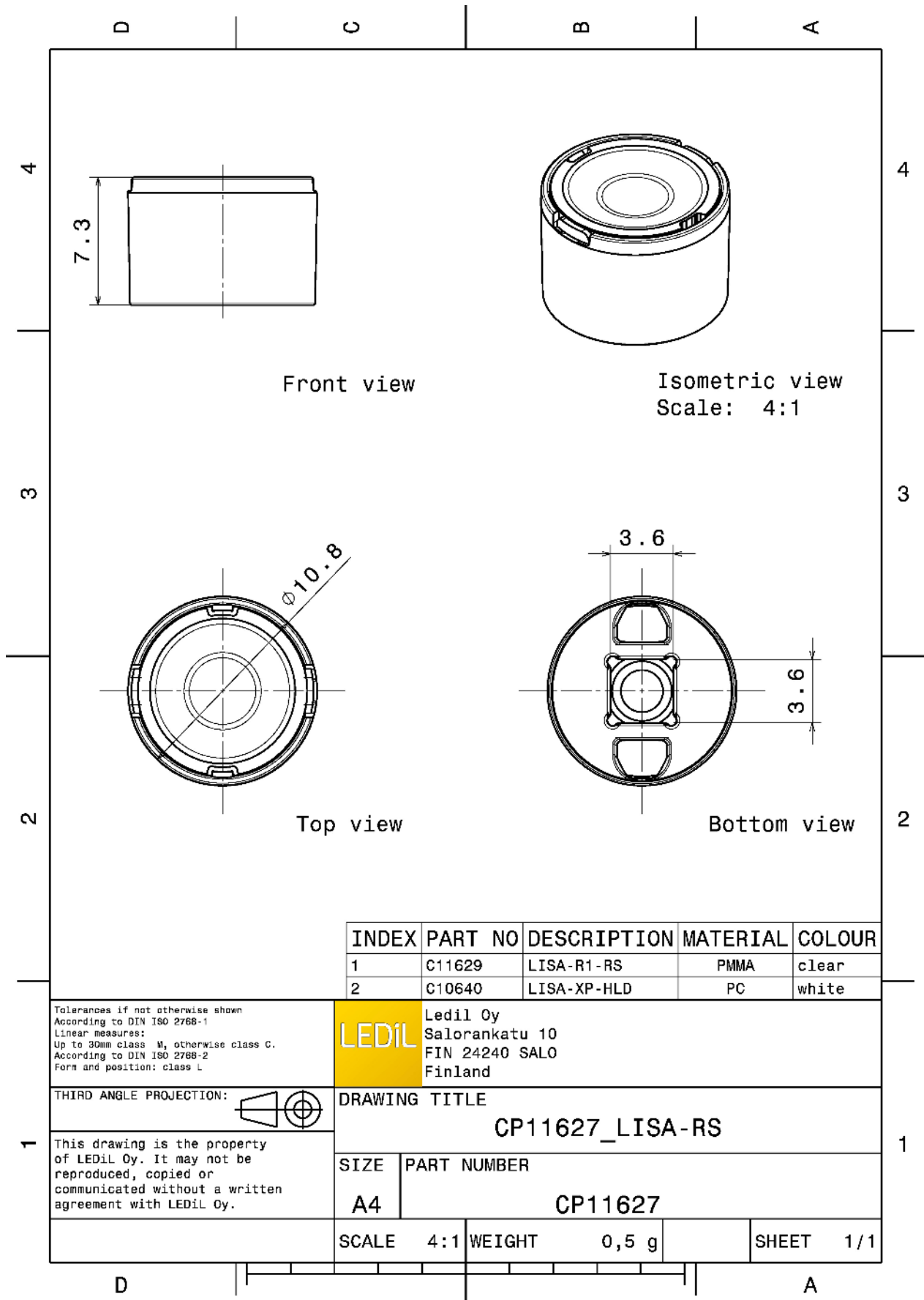
MATERIALS:

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					





INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C11629	LISA-R1-RS	PMMA	clear
2	C10640	LISA-XP-HLD	PC	white

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

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THIRD ANGLE PROJECTION:

DRAWING TITLE
CP11627_LISA-RS

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SIZE	PART NUMBER
A4	CP11627

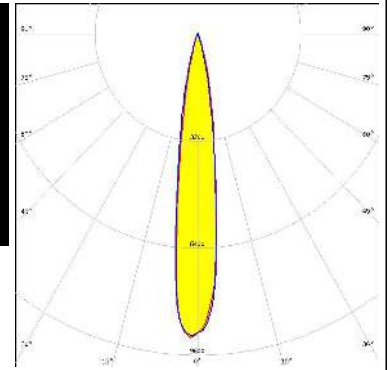
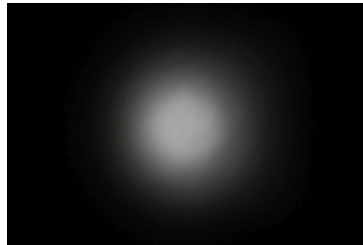
SCALE	4:1	WEIGHT	0,5 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED

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



CREE LED

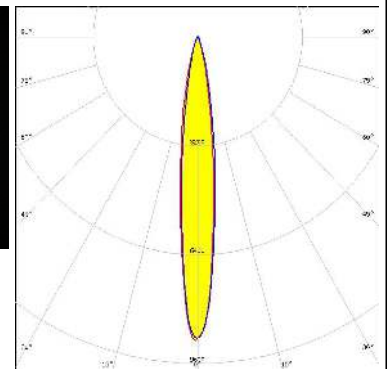
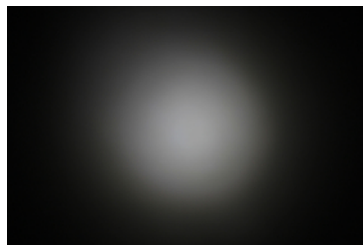
LED XP-G
 FWHM / FWTM 23.0° / 44.0°
 Efficiency 90 %
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

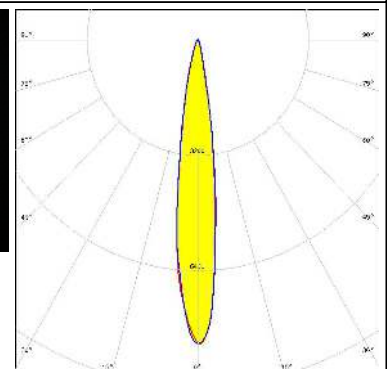
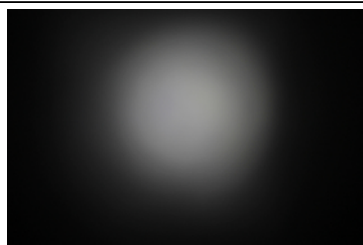
LED OSLOM SSL 150
 FWHM / FWTM 13.0° / 31.0°
 Efficiency 94 %
 Peak intensity 8.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



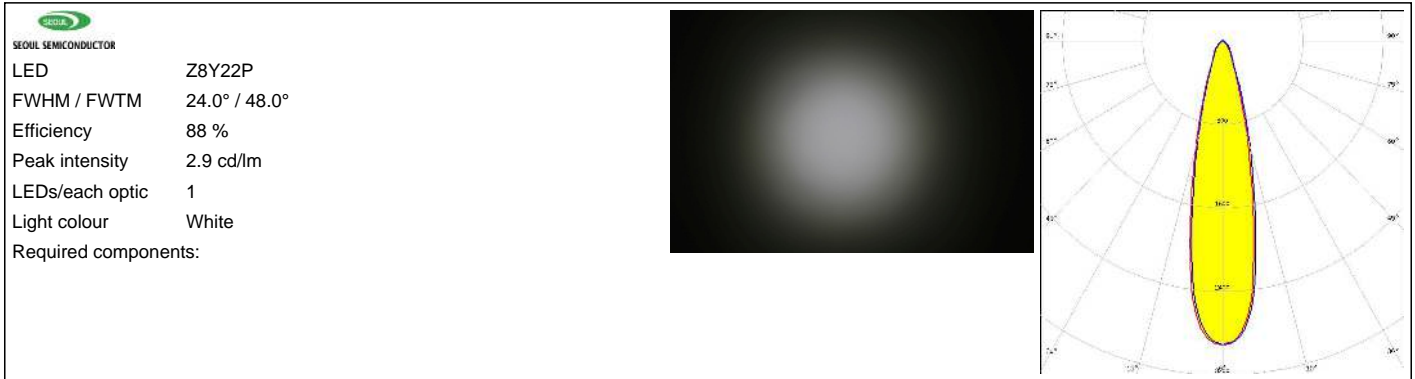
OSRAM

Opto Semiconductors

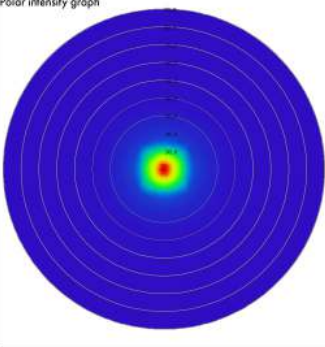
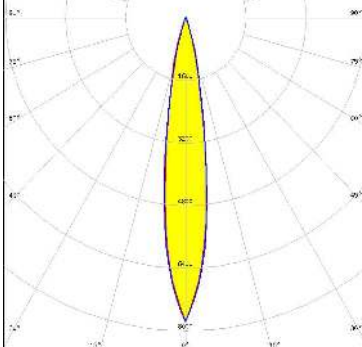
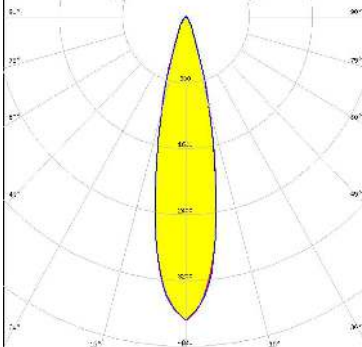
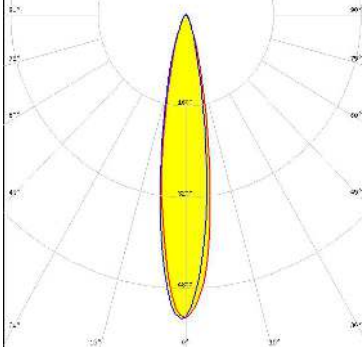
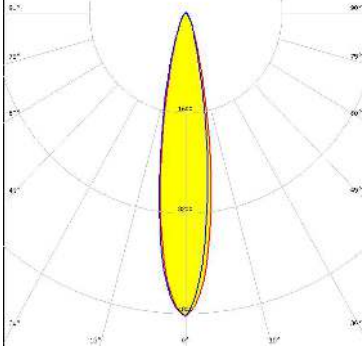
LED OSLOM SSL 80
 FWHM / FWTM 15.0° / 29.0°
 Efficiency 93 %
 Peak intensity 8.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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 <small>Opto Semiconductors</small></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 <small>Opto Semiconductors</small></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:

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