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

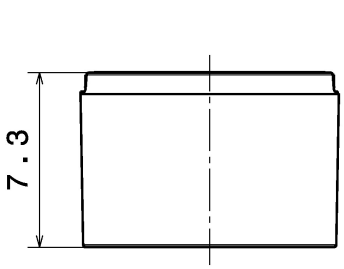
MATERIALS:

Component	Type	Material	Colour	Finish	Length
LISA-R1-RS	Single lens	PMMA	clear		10.8
LISA-XP-HLD	Holder	PC	white		10.8

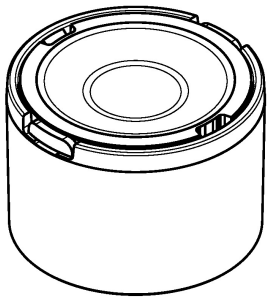
ORDERING INFORMATION:

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

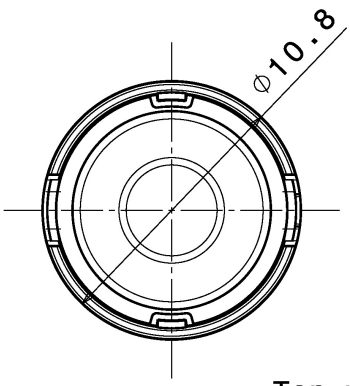
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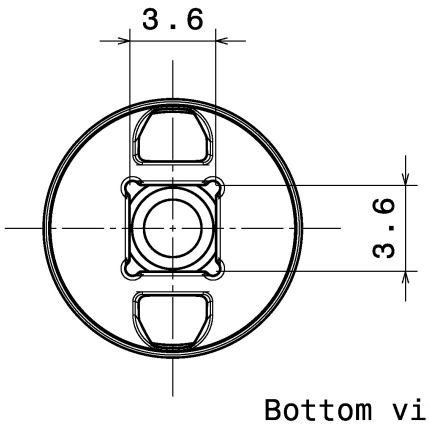
Front view



Isometric view
Scale: 4:1



Top view



Bottom view

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

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
CP11627_LISA-RS

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SIZE A4

PART NUMBER
CP11627

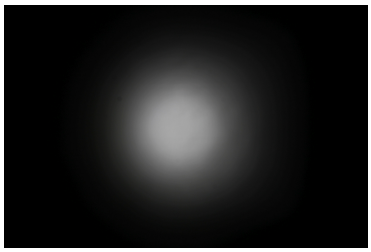
SCALE 4:1 | WEIGHT 0,5 g | SHEET 1/1

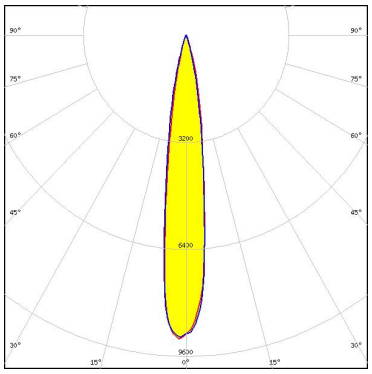
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

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





Light distribution files

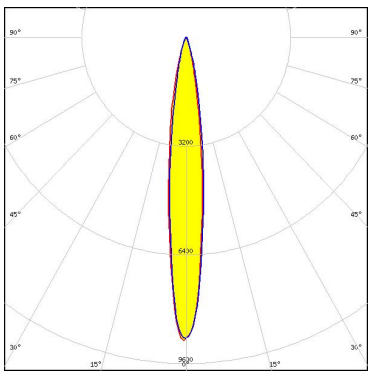
CREE LEDs

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

OSRAM
Opto Semiconductors

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





Light distribution files

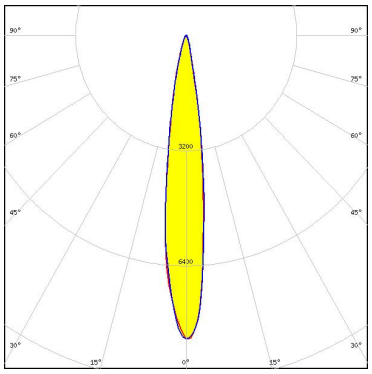
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OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

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

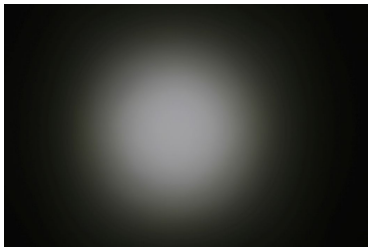


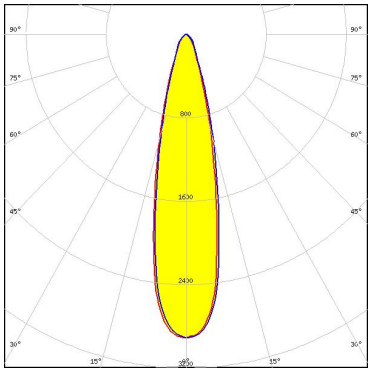


Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	24.0° / 48.0°
Efficiency	88 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XD16
FWHM / FWTM	17.0° / 32.0°
Efficiency	88 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

LED	XE-G
FWHM / FWTM	14.0° / 28.0°
Efficiency	94 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

CREE LEDs

LED	XQ-E HD
FWHM / FWTM	14.0° / 27.0°
Efficiency	94 %
Peak intensity	10.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

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OPTICAL RESULTS (SIMULATED):

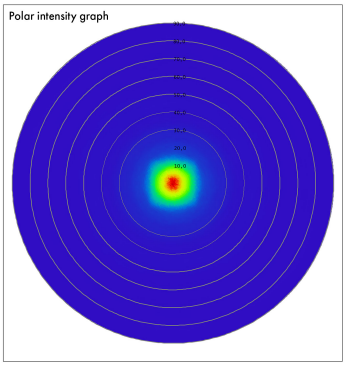
CREE LEDs

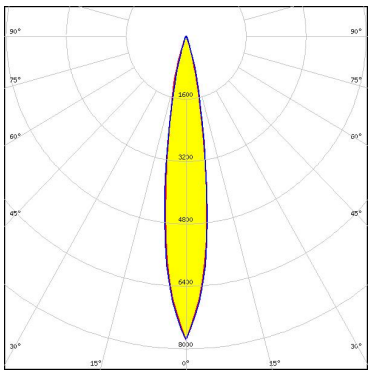
LED	XQ-E HI
FWHM / FWTM	11.0° / 22.0°
Efficiency	94 %
Peak intensity	16.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMINUS

LED	SST-10-IR-B90
FWHM / FWTM	16.0° / 34.0°
Efficiency	93 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

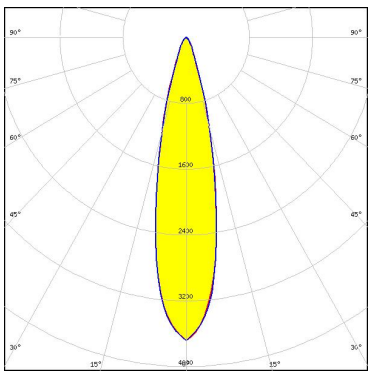




Light distribution files

NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	24.0° / 44.0°
Efficiency	87 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



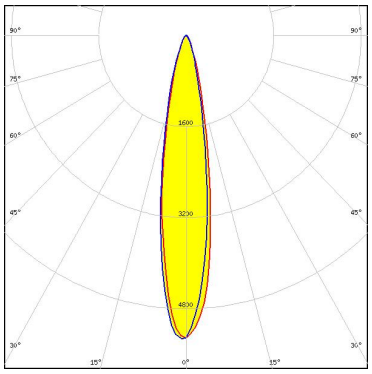
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

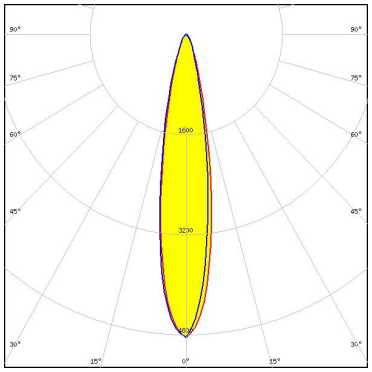
LED	Duris S5 (2 chip)
FWHM / FWTM	19.0° / 40.0°
Efficiency	94 %
Peak intensity	5.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	19.3° / 41.2°
Efficiency	94 %
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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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