LISA-RS

~15° spot beam optimized for Golden Dragon

SPECIFICATION:

Dimensions	Ø 11.0
Height	7.9 mm
Fastening	glue
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LISA-O1-RS	Single lens	PMMA	clear		
LISA-O1-HLD	Holder	PC	white		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP11626_LISA-RS	Single lens	10000	300	100	5.5

» Box size: 254 x 298 x 241 mm

Holder

Lens

6.9

Bottom view

φ4

5.9

7.9

Side view

⌀11

Top view

Material:
Lens PMMA
Holder PC

NOTE:
Please be careful when remove assembly from LED.
Otherwise clips might break some of led's corner.

If needed, secure assembly with proper glue between
holder and pcb.

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DRAWING TITLE
Datasheet Lisa-01 series Assy

DRAWN BY	DATE			
ah	13.7.2012			
CHECKED BY	DATE	SIZE	DRAWING NUMBER	REV
vs	13.7.2012	A4		5
DESIGNED BY	DATE	SCALE 4:1	WEIGHT(g)	SHEET 1/1
HH	06.01.2008			

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

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	Golden Dragon
FWHM / FWTM	12.0° / 31.0°
Efficiency	91 %
LEDs/each optic	1
Light colour/type	White
Required components:	

OPTICAL RESULTS (SIMULATED):

bridgelux

LED	SMD 3535 BXEX
FWHM / FWTM	22.0° / 44.0°
Efficiency	88 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
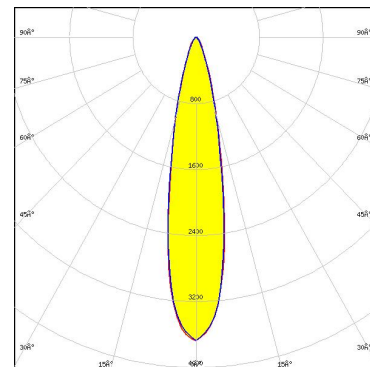
Light distribution files

CREE LEDs

LED	XHP35.2 HI
FWHM / FWTM	18.0° / 53.0°
Efficiency	76 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
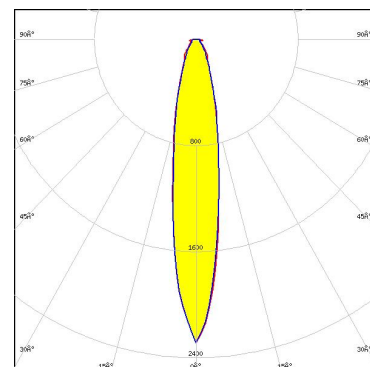
Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	21.0° / 47.0°
Efficiency	85 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMINUS
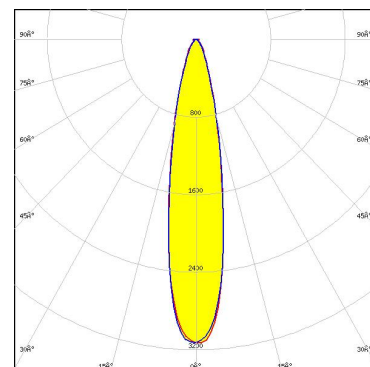
LED	SST-10-IR-B90
FWHM / FWTM	17.0° / 37.0°
Efficiency	86 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

Polar intensity graph
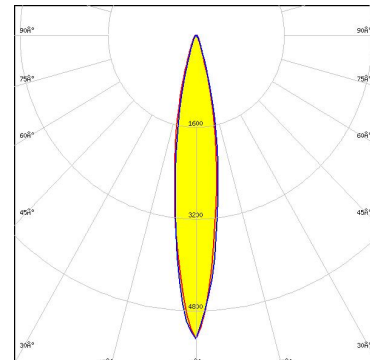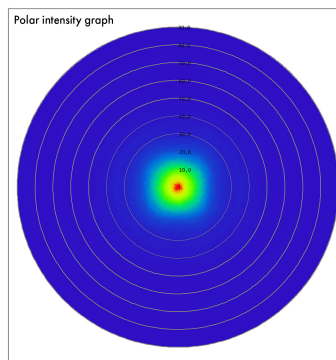
Light distribution files

LUMINUS

LED	SST-12
FWHM / FWTM	13.0° / 30.0°
Efficiency	85 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
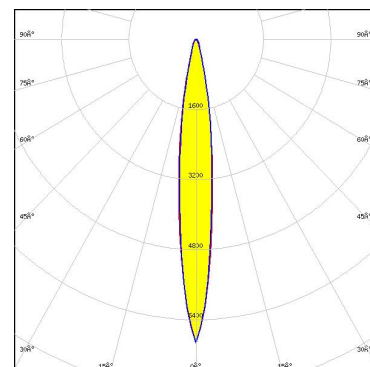
Light distribution files

LUMINUS

LED	SST-20
FWHM / FWTM	14.0° / 32.0°
Efficiency	83 %
Peak intensity	5.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA
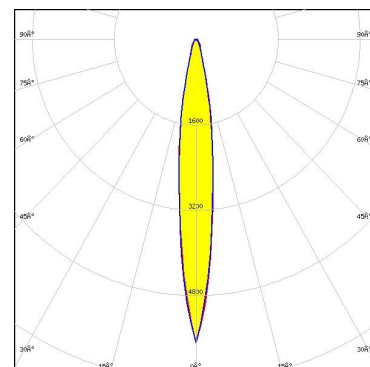
LED	NV4WB35AM
FWHM / FWTM	24.0° / 65.0°
Efficiency	80 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA
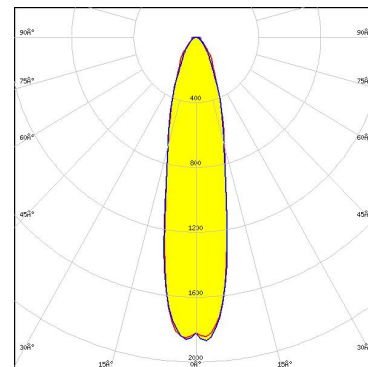
LED	NVSW519A
FWHM / FWTM	28.0° / 58.0°
Efficiency	85 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA
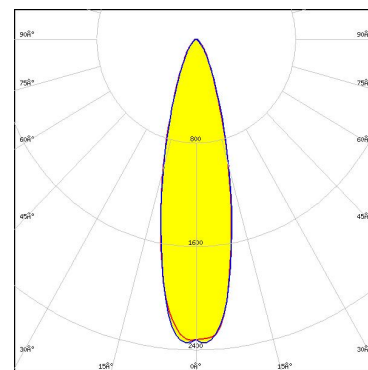
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	19.0° / 44.0°
Efficiency	81 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
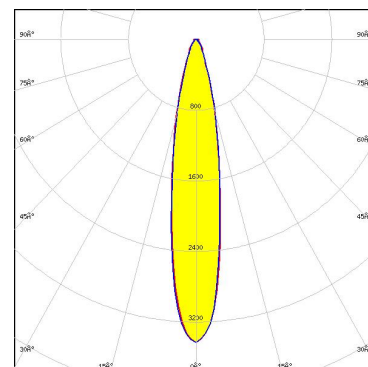
Light distribution files

OPTICAL RESULTS (SIMULATED):
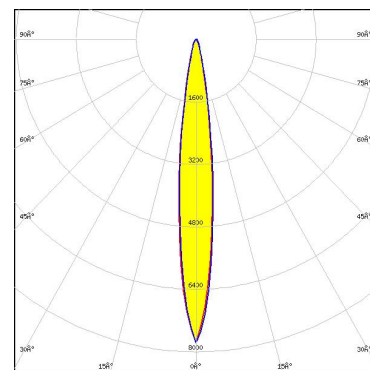
OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	12.0° / 28.0°
Efficiency	87 %
Peak intensity	7.7 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	
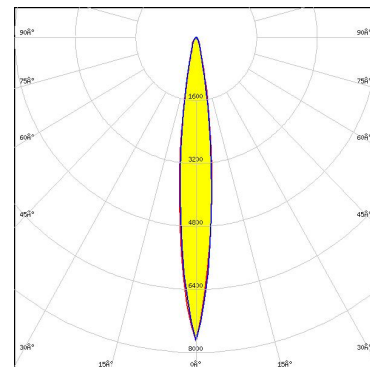
Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	13.0° / 28.0°
Efficiency	87 %
Peak intensity	7.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4727AS
FWHM / FWTM	17.0° / 49.0°
Efficiency	83 %
LEDs/each optic	1
Light colour/type	IR
Required components:	

Polar intensity graph
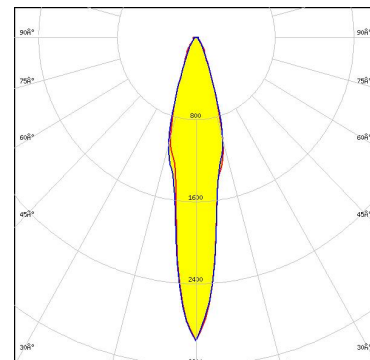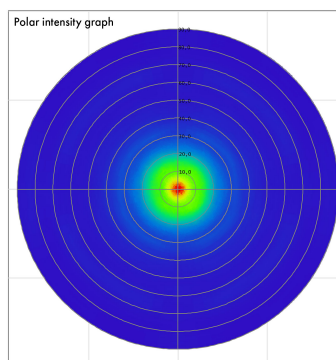
Light distribution files

OPTICAL RESULTS (SIMULATED):

LEDiL®

LED	SST-12 Gen2
FWHM / FWTM	14.0° / 32.0°
Efficiency	86 %
Peak intensity	6.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Simulated from photometric data
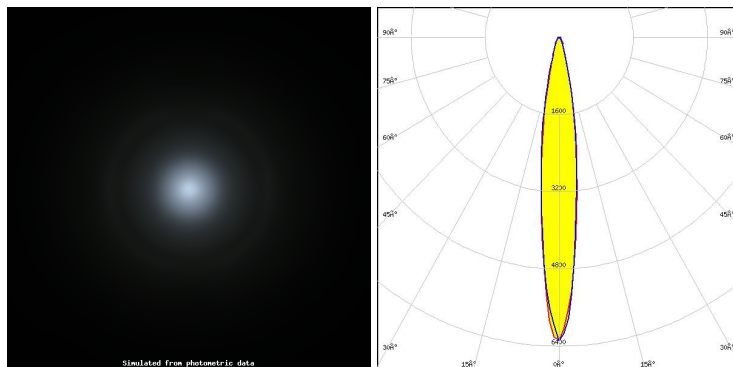
Light distribution files

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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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