

## LISA-RS

~15° spot beam optimized for Golden Dragon

### SPECIFICATION:

Dimensions	Ø 11.0
Height	7.9 mm
Fastening	glue
ROHS compliant	yes 

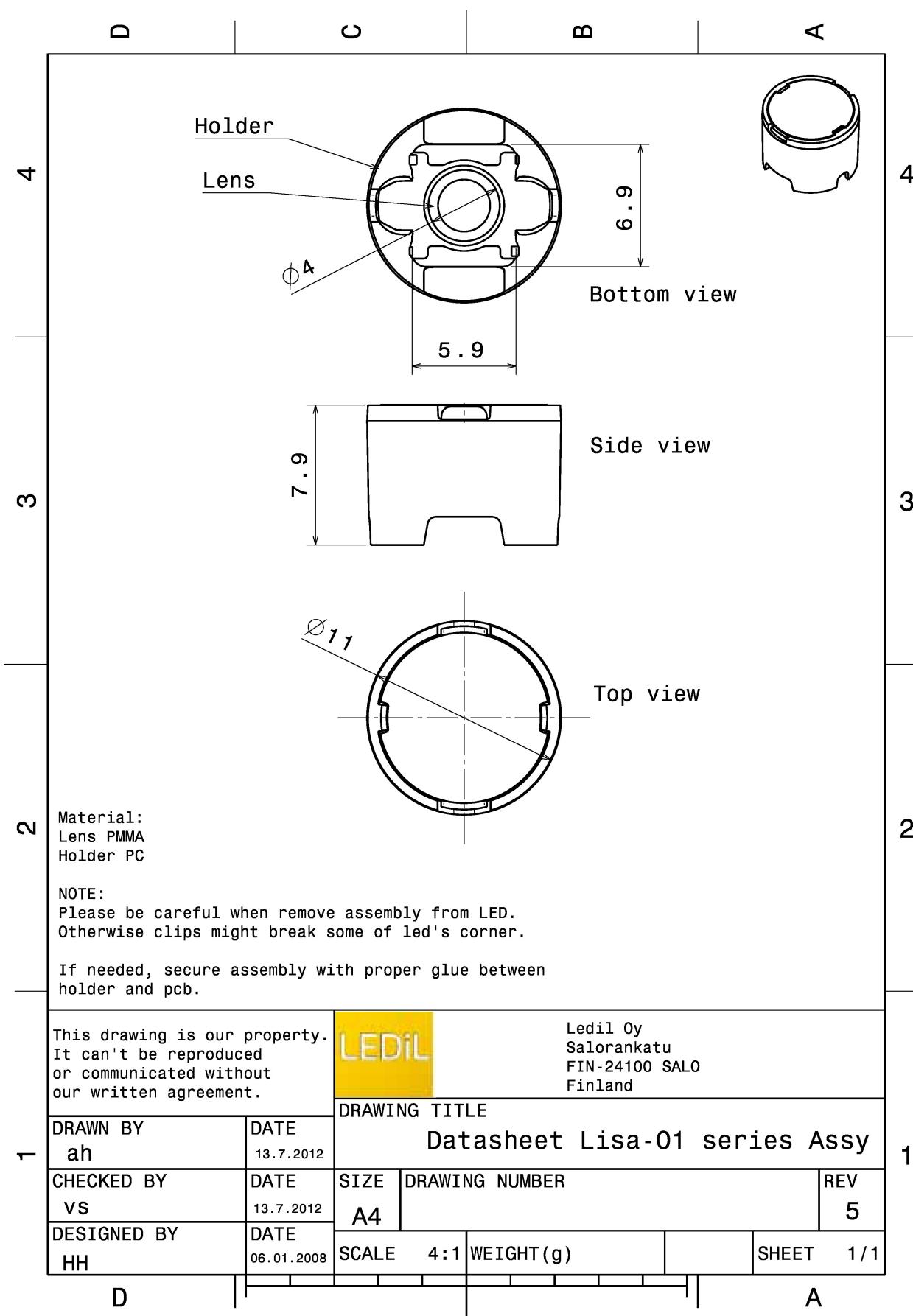


### MATERIALS:

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	10000	300	100	5.5
» Box size: 254 x 298 x 241 mm				



See also our general installation guide: [www.ledil.com/installation\\_guide](http://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

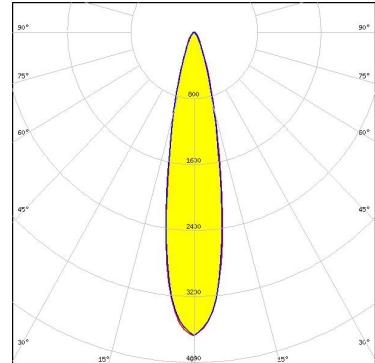
Light colour/type   White

Required components:

## OPTICAL RESULTS (SIMULATED):



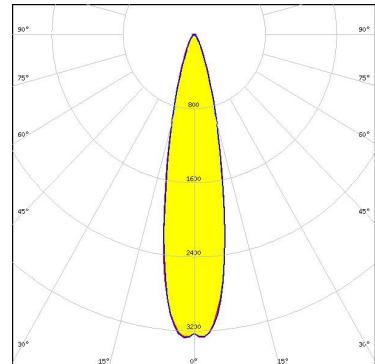
**LED** Bridgelux SMD 3535 (3A1)  
**FWHM / FWTM** 22.0° / 44.0°  
**Efficiency** 88 %  
**Peak intensity** 3.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



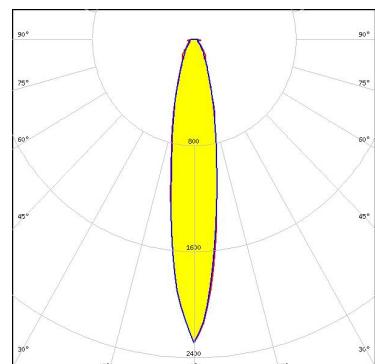
**LED** Bridgelux SMD 3535 (3B1)  
**FWHM / FWTM** 22.0° / 45.0°  
**Efficiency** 78 %  
**Peak intensity** 3.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**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:**

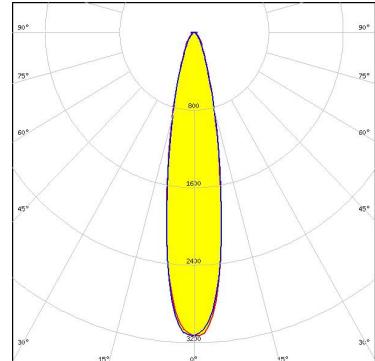


Light distribution files

## OPTICAL RESULTS (SIMULATED):



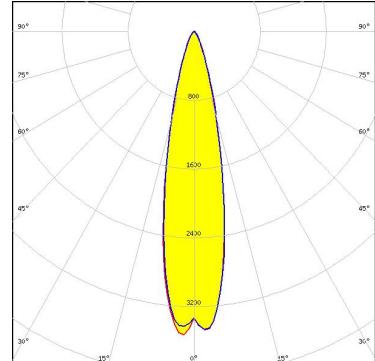
LED XP-G3  
 FWHM / FWTM 21.0° / 47.0°  
 Efficiency 85 %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



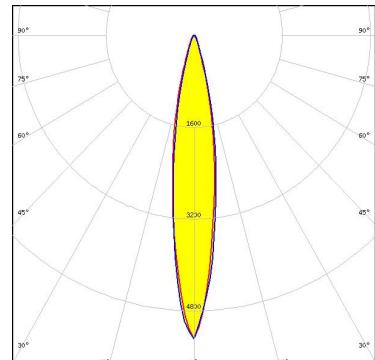
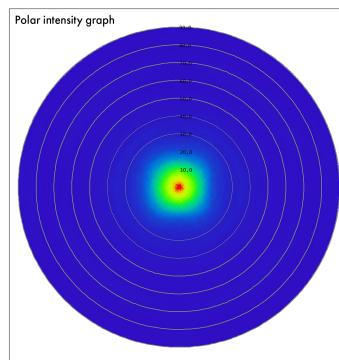
LED LUXEON HL2X-V  
 FWHM / FWTM 22.0° / 45.0°  
 Efficiency 82 %  
 Peak intensity 3.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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

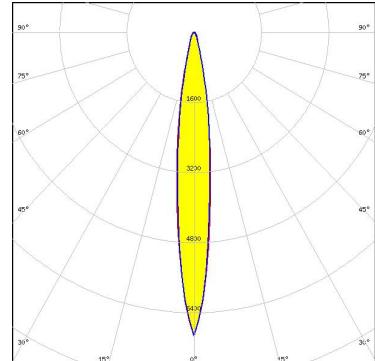


Light distribution files

## OPTICAL RESULTS (SIMULATED):



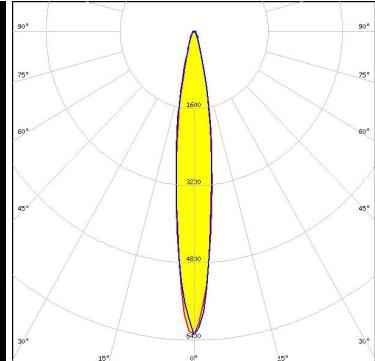
LED SST-12 Gen1  
 FWHM / FWTM 13.0° / 30.0°  
 Efficiency 85 %  
 Peak intensity 6.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



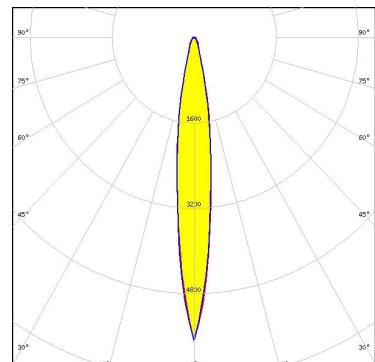
LED SST-12 Gen2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 86 %  
 Peak intensity 6.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED SST-20 Gen1  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 83 %  
 Peak intensity 5.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

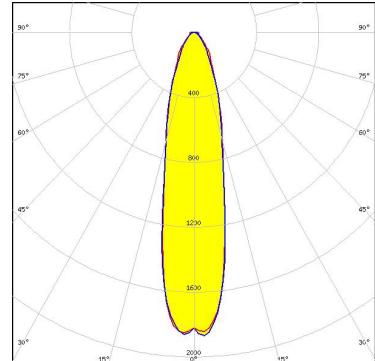


Light distribution files

## OPTICAL RESULTS (SIMULATED):



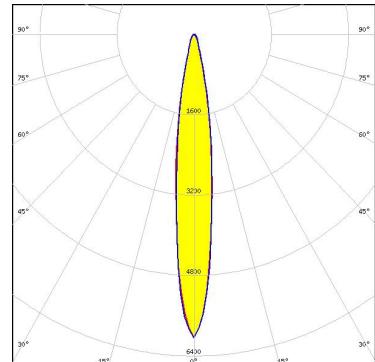
LED NV4WB35AM  
 FWHM / FWTM 24.0° / 65.0°  
 Efficiency 80 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



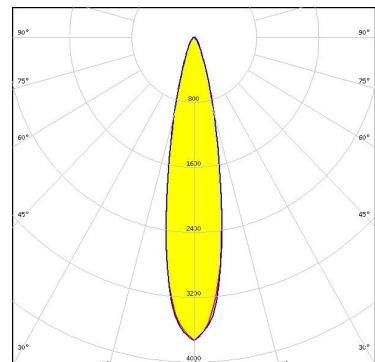
LED NVSW219C-V2  
 FWHM / FWTM 14.0° / 32.0°  
 Efficiency 85 %  
 Peak intensity 6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSW219F  
 FWHM / FWTM 22.0° / 44.0°  
 Efficiency 88 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

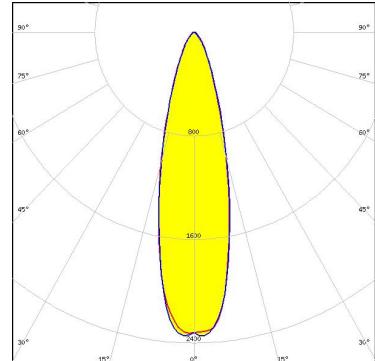


Light distribution files

## OPTICAL RESULTS (SIMULATED):



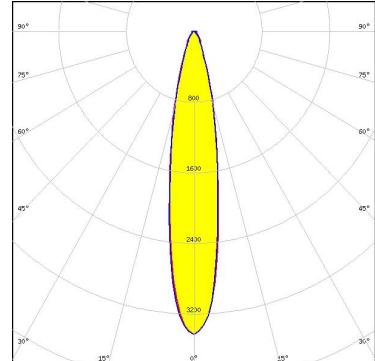
LED NVSW519A  
 FWHM / FWTM 28.0° / 58.0°  
 Efficiency 85 %  
 Peak intensity 2.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



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:

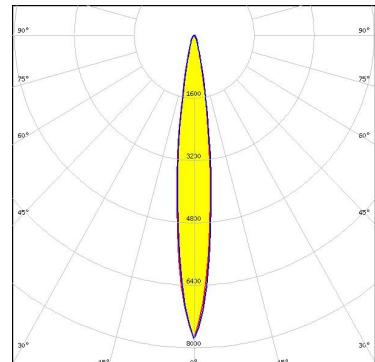


Light distribution files



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:

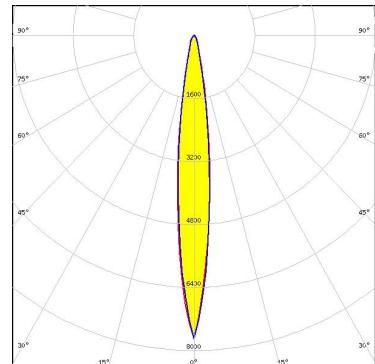


Light distribution files

## OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

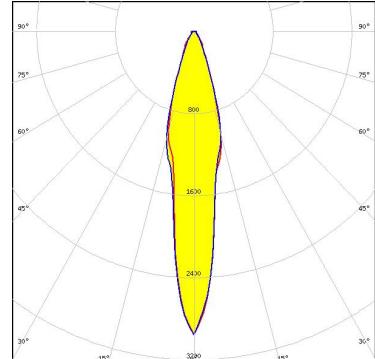
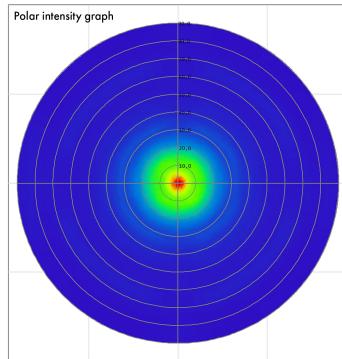
LED OSLON SSL 150  
FWHM / FWTM 12.0° / 28.0°  
Efficiency 87 %  
Peak intensity 7.7 cd/lm  
LEDs/each optic 1  
Light colour/type Red  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

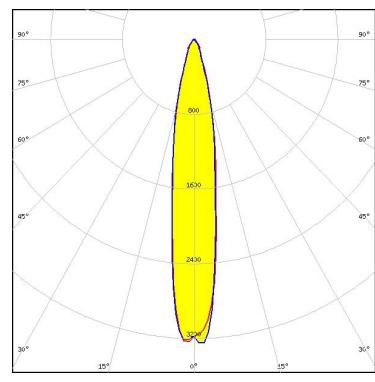
LED SFH 4727AS  
FWHM / FWTM 17.0° / 49.0°  
Efficiency 83 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**SAMSUNG**

LED LH351C  
FWHM / FWTM 18.0° / 40.0°  
Efficiency 64 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



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.

## 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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