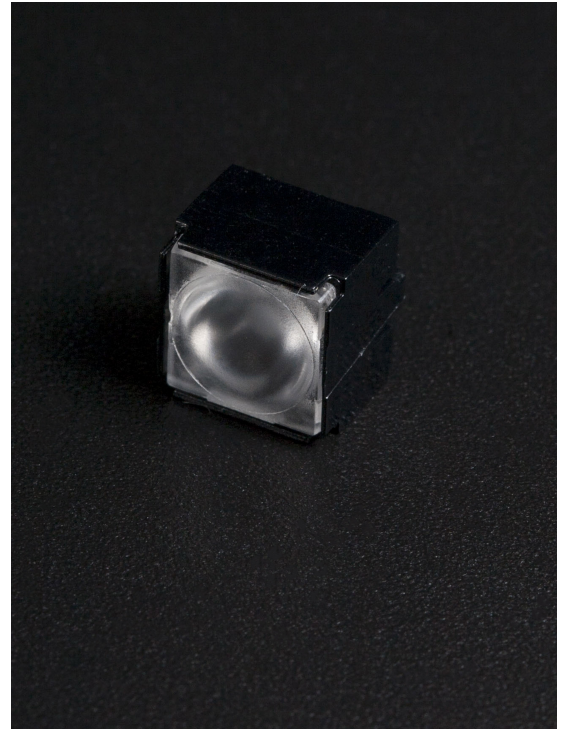


## LARISA-M-PIN

~30° medium beam and holder with location pins

### SPECIFICATION:

Dimensions	9.9 x 9.9
Height	7.5 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

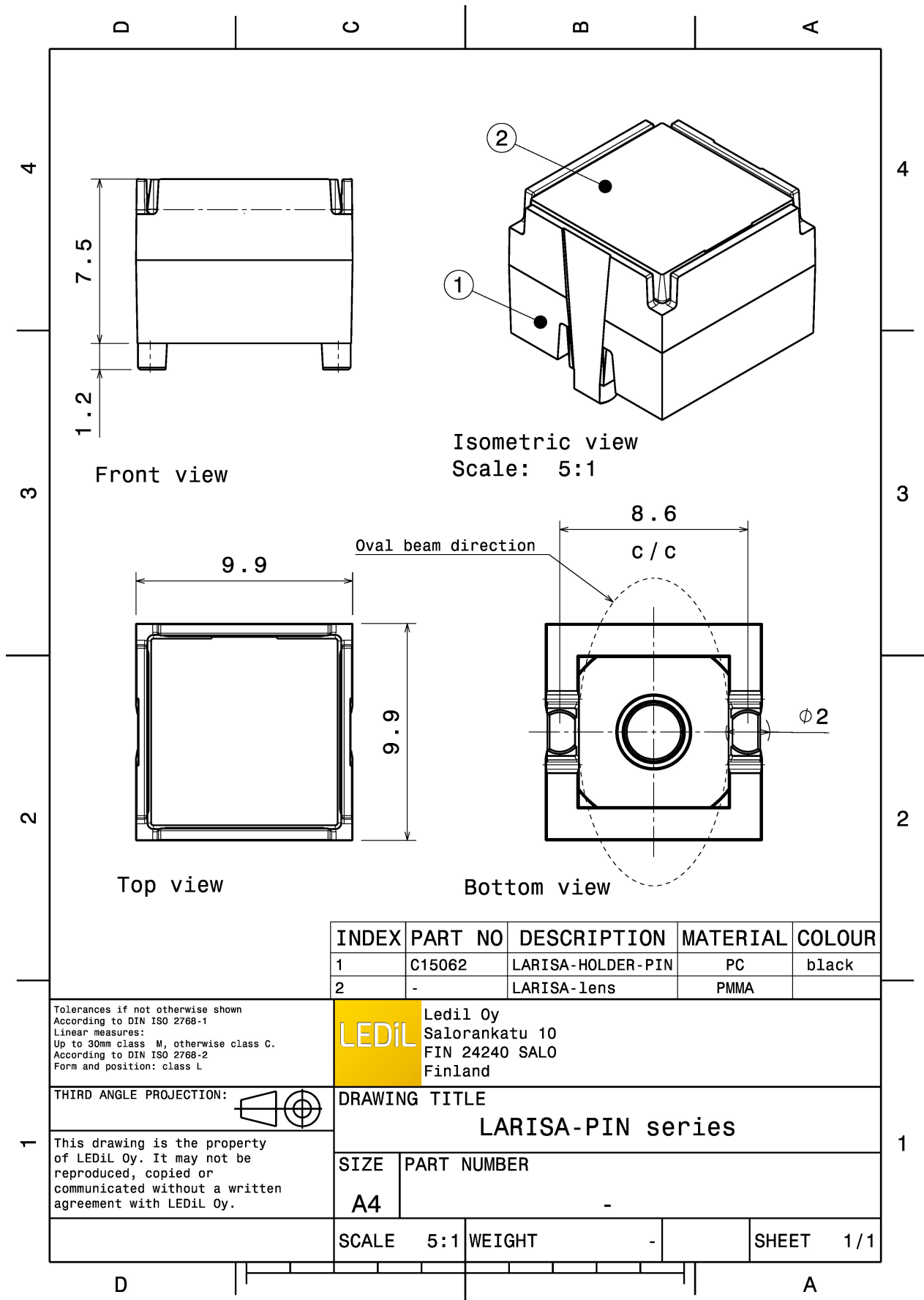


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LARISA-M	Single lens	PMMA	clear		
LARISA-HOLDER-PIN	Holder	PC	black		

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP15305_LARISA-M-PIN	Single lens	10000	300	100	7.1
» Box size: 300 x 250 x 250 mm					

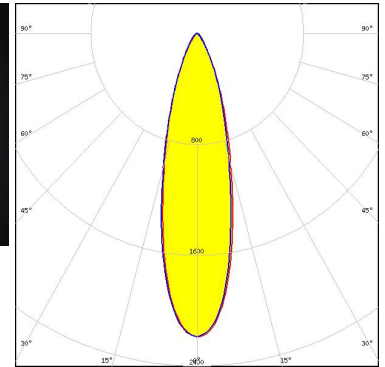
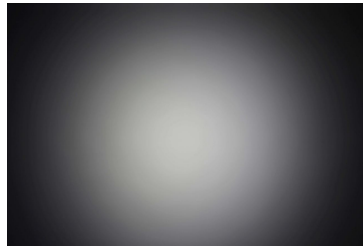


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



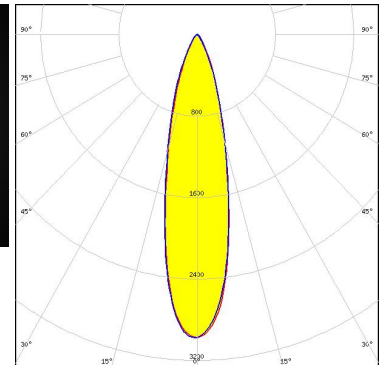
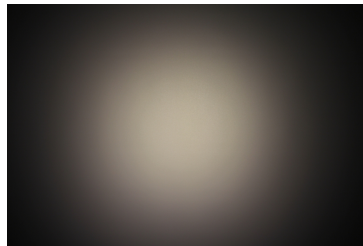
**LED** XD16  
**FWHM / FWTM** 27.0° / 57.0°  
**Efficiency** 74 %  
**Peak intensity** 2.2 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



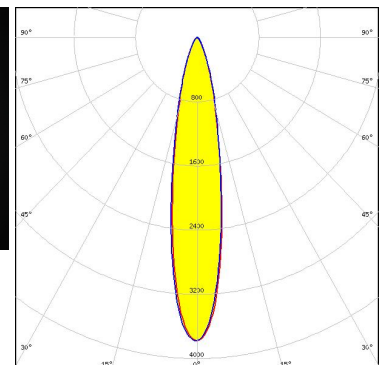
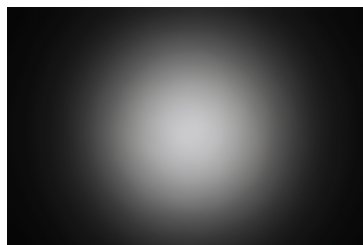
**LED** XQ-E HD  
**FWHM / FWTM** 25.0° / 53.0°  
**Efficiency** 86 %  
**Peak intensity** 3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XQ-E HI  
**FWHM / FWTM** 19.0° / 45.0°  
**Efficiency** 80 %  
**Peak intensity** 3.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

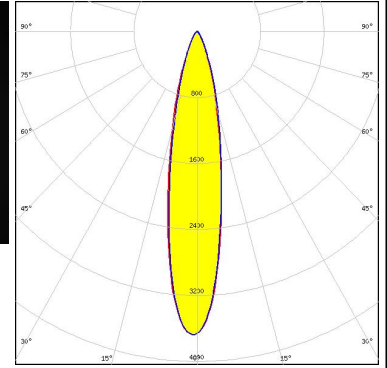


Light distribution files

#### OPTICAL RESULTS (MEASURED):



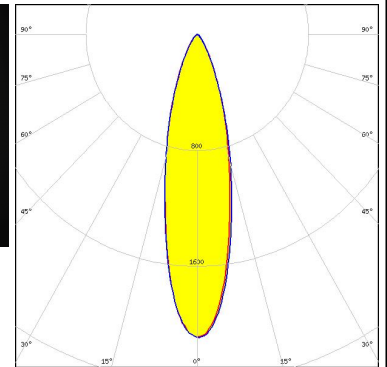
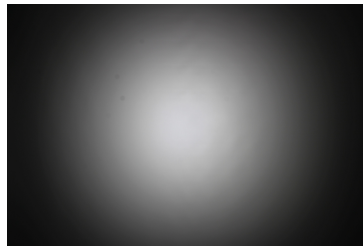
LED LUXEON Z  
 FWHM / FWTM 21.0° / 46.0°  
 Efficiency 82 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



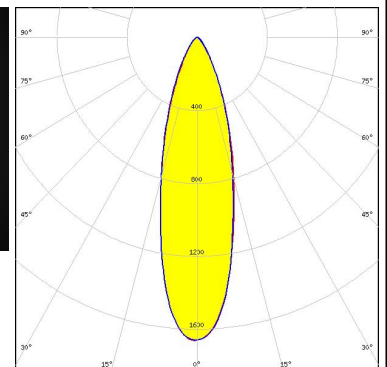
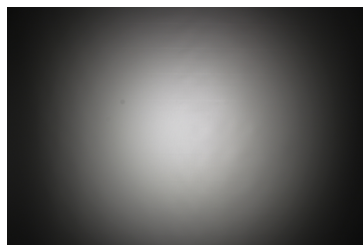
LED NCSxE17A  
 FWHM / FWTM 26.0° / 57.0°  
 Efficiency 69 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxE21A  
 FWHM / FWTM 29.0° / 29.0°  
 Efficiency 66 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

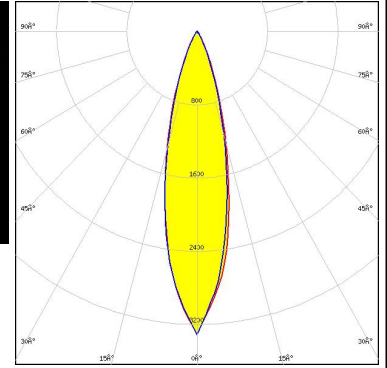
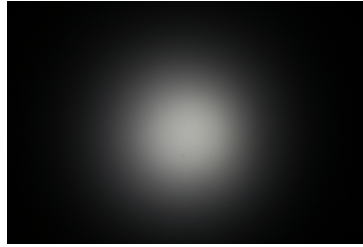


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	25.0° / 56.0°
Efficiency	82 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

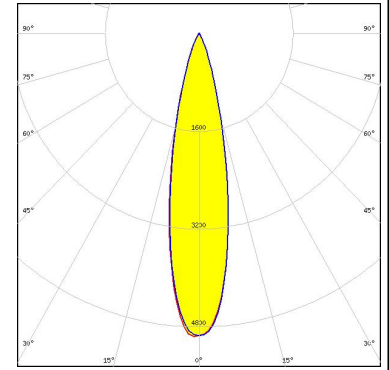


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED	LUXEON Rubix
FWHM / FWTM	22.0° / 43.0°
Efficiency	95 %
Peak intensity	5 cd/Im
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:

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