

## LISA2-RS-PIN

~19° spot beam optimized for LUXEON Rebel.  
6.6 mm high variant with location pin  
installation.

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 9.9 mm  |
| Height         | 6.6 mm    |
| Fastening      | glue, pin |
| ROHS compliant | yes ⓘ     |

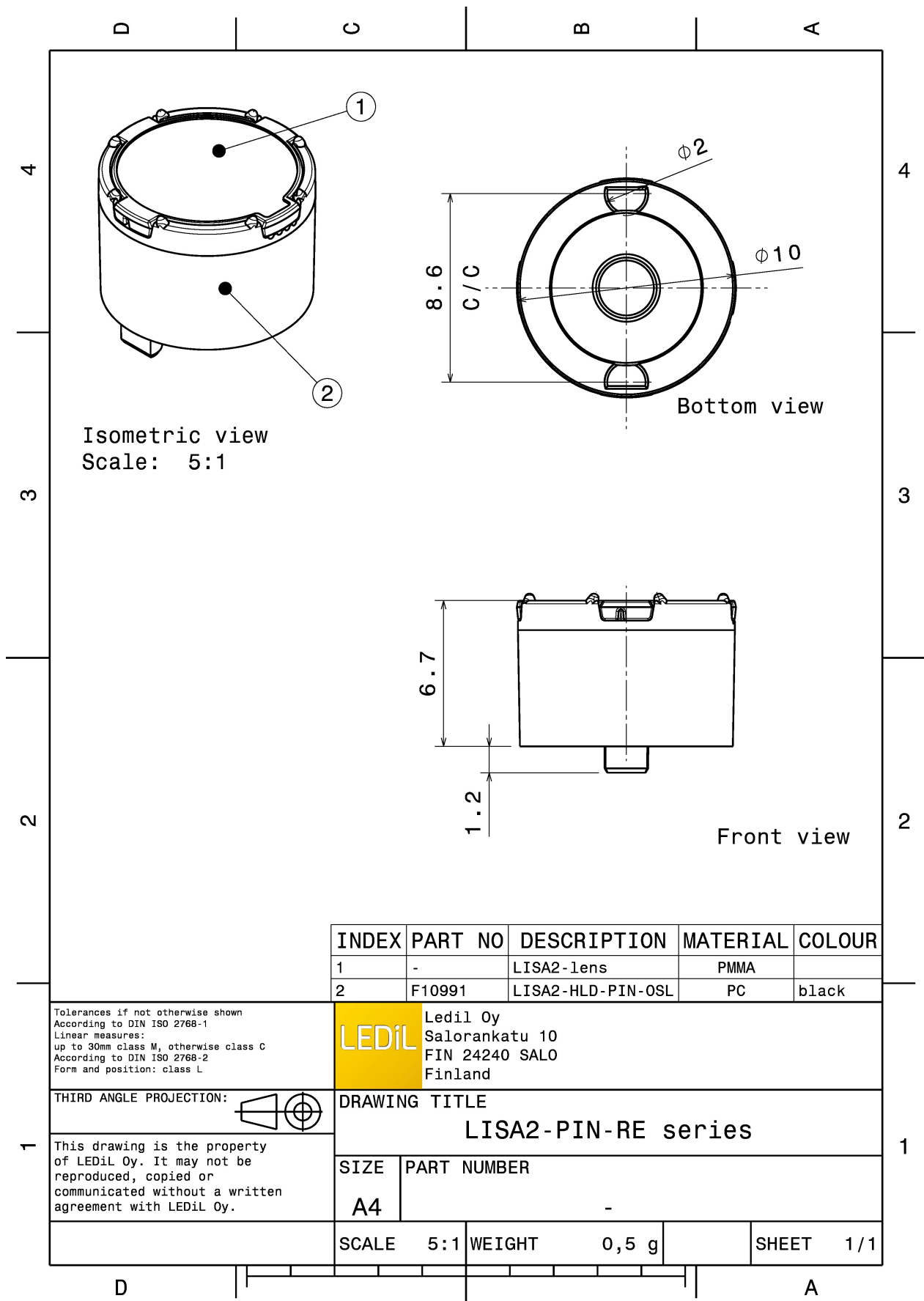


### MATERIALS:

| Component        | Type        | Material | Colour | Finish |
|------------------|-------------|----------|--------|--------|
| LISA2-RS         | Single lens | PMMA     | clear  |        |
| LISA2-HLD-PIN-RE | Holder      | PC       | black  |        |

### ORDERING INFORMATION:

| Component            |             | Qty in box | MOQ | MPQ | Box weight (kg) |
|----------------------|-------------|------------|-----|-----|-----------------|
| FP11056_LISA2-RS-PIN | Single lens | 2000       | 300 | 100 | 1.4             |
| » Box size:          |             |            |     |     |                 |



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

#### OPTICAL RESULTS (MEASURED):



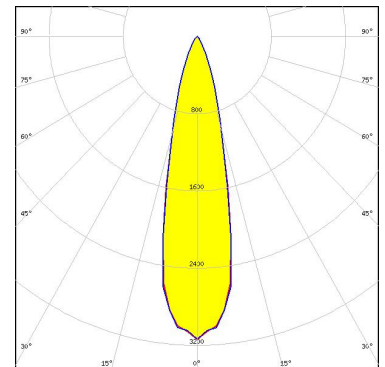
LED LUXEON A  
FWHM / FWTM 23.0° / 48.0°  
Efficiency 91 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



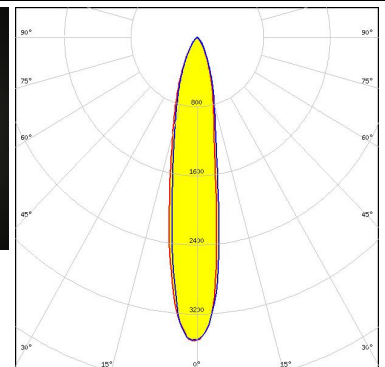
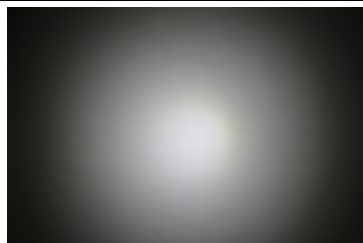
LED LUXEON Rebel  
FWHM / FWTM 18.0°  
Efficiency 91 %  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON Rebel ES  
FWHM / FWTM 24.0° / 50.0°  
Efficiency 91 %  
Peak intensity 3.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



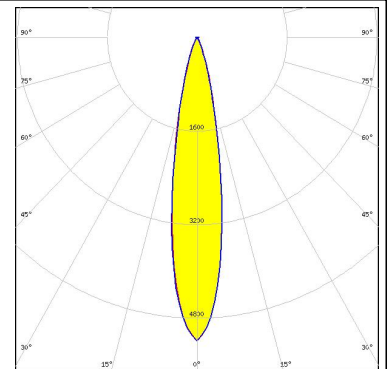
LED LH181B  
FWHM / FWTM 18.0° / 50.0°  
Efficiency 80 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



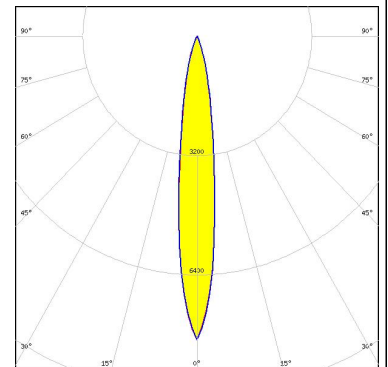
#### OPTICAL RESULTS (SIMULATED):



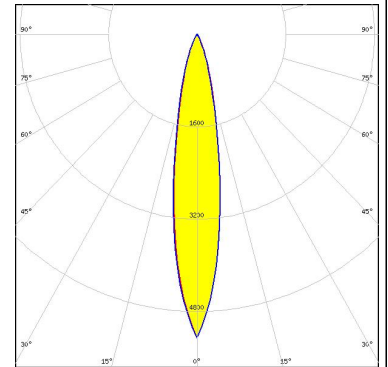
LED XD16  
FWHM / FWTM 20.0° / 38.0°  
Efficiency 85 %  
Peak intensity 5.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NCSxE17A  
FWHM / FWTM 14.0° / 34.0°  
Efficiency 88 %  
Peak intensity 8.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NCSxx19A  
FWHM / FWTM 18.0°  
Efficiency %  
LEDs/each optic 1  
Light colour White  
Required components:



### 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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