

## IRENE-IR-16

~15° + 15° rectangular beam

### TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	14.3 mm
Fastening	pin
ROHS compliant	yes ⓘ

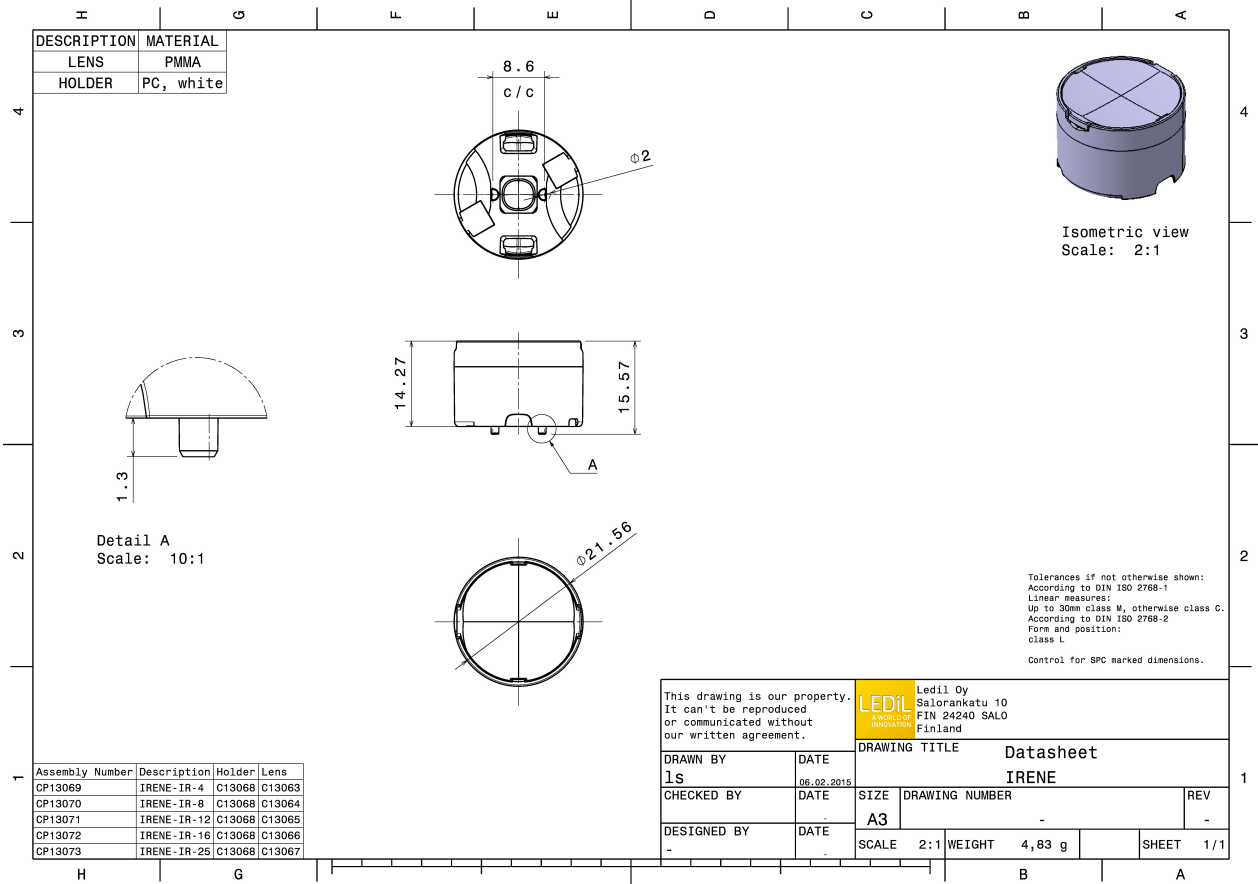


### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
IRENE-16	Multi-lens	PMMA	clear	
IRENE-HLD	Holder	PC	white	

### ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP13072_IRENE-IR-16 » Box size: 480 x 280 x 300 mm	Multi-lens	1792		112	10.1



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

## PHOTOMETRIC DATA (MEASURED):

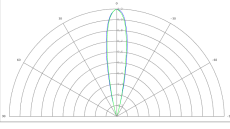
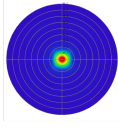
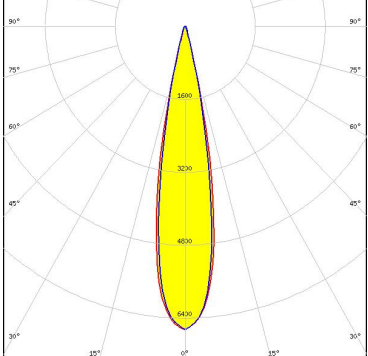
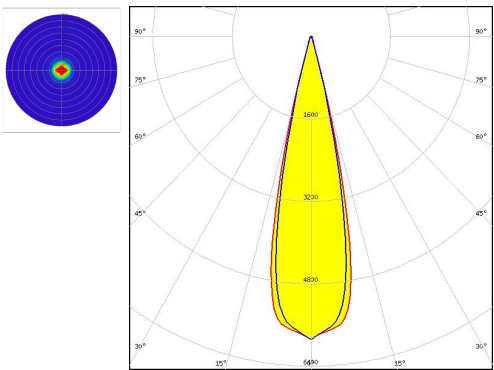
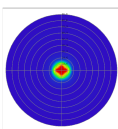
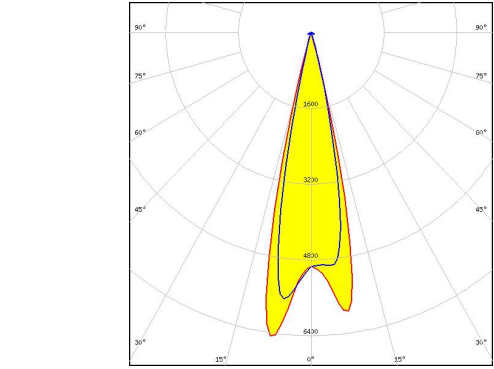
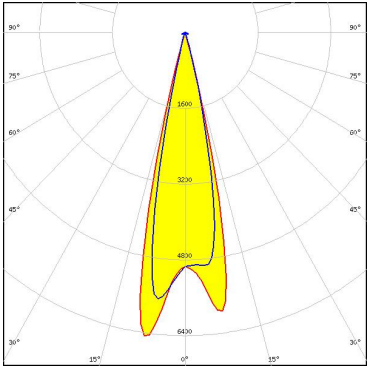
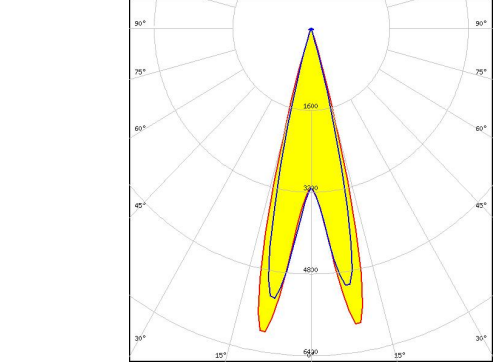
**OSRAM**  
Opto Semiconductors

LED	SFH 4725S
FWHM / FWTM	17.0° / 36.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

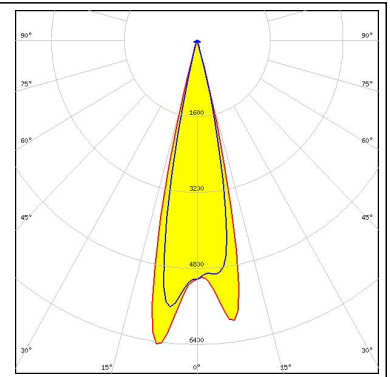
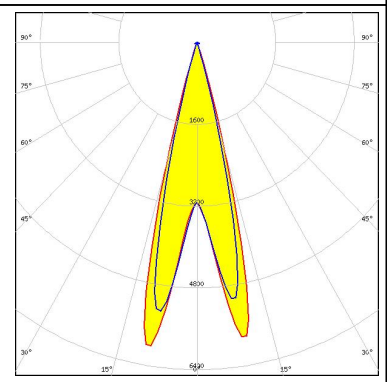
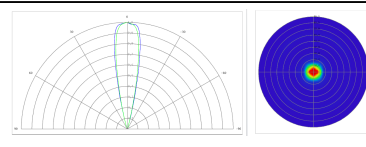
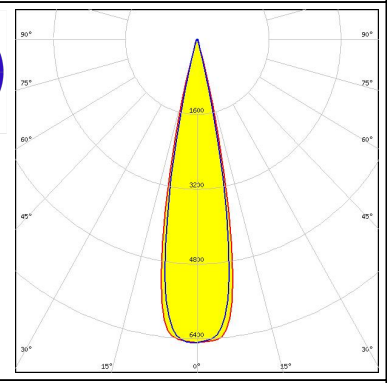
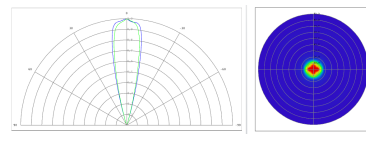
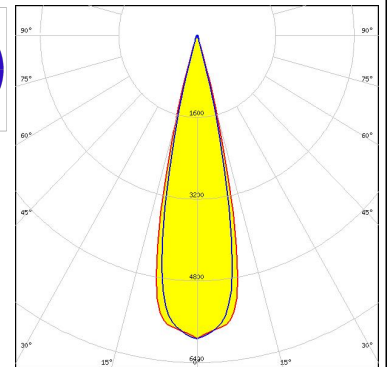
#### PHOTOMETRIC DATA (SIMULATED):

<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR 2720            FWHM / FWTM: 22.0 + 20.0° / 32.0°            Efficiency: 97 %            LEDs/each optic: 1            Light colour: IR            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON IR Compact            FWHM / FWTM: 24.0 + 22.0° / 32.0 + 30.0°            Efficiency: 87 %            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: SFH 4715S            FWHM / FWTM: 20.0 + 19.0° / 26.0 + 25.0°            Efficiency: 97 %            Peak intensity: 0.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: SFH 4770S            FWHM / FWTM: 16.0° / 27.0°            Efficiency: 94 %            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>STANLEY</b></p> <p>LED FWR1107MS            FWHM / FWTM 21.0 + 19.0° / 31.0°            Efficiency 97 %            LEDs/each optic 1            Light colour IR            Required components:</p>		
<p><b>STANLEY</b></p> <p>LED FWR1108MS            FWHM / FWTM 25.0 + 23.0° / 34.0 + 33.0°            Efficiency 97 %            LEDs/each optic 1            Light colour IR            Required components:</p>		
<p><b>STANLEY</b></p> <p>LED MFN1107MS            FWHM / FWTM 24.0° / 31.0°            Efficiency 96 %            Peak intensity 6.5 cd/lm            LEDs/each optic 1            Light colour IR            Required components:</p>		
<p><b>STANLEY</b></p> <p>LED MFN1108MS            FWHM / FWTM 27.0° / 35.0°            Efficiency 97 %            Peak intensity 6 cd/lm            LEDs/each optic 1            Light colour IR            Required components:</p>		

#### PHOTOMETRIC DATA (SIMULATED):

<p><b>STANLEY</b></p> <p>LED MGN1107MS</p> <p>FWHM / FWTM 24.0° / 31.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 6.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		
<p><b>STANLEY</b></p> <p>LED MGN1108MS</p> <p>FWHM / FWTM 28.0° / 35.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 6 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		
<p><b>STANLEY</b></p> <p>LED MJN1107MS</p> <p>FWHM / FWTM 23.0 + 21.0° / 31.0 + 30.0°</p> <p>Efficiency 97 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		
<p><b>STANLEY</b></p> <p>LED MJN1108MS</p> <p>FWHM / FWTM 25.0 + 23.0° / 34.0 + 32.0°</p> <p>Efficiency 95 %</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>		

### 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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