

### IRENE-IR-16

~15° + 15° rectangular beam

#### SPECIFICATION:

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

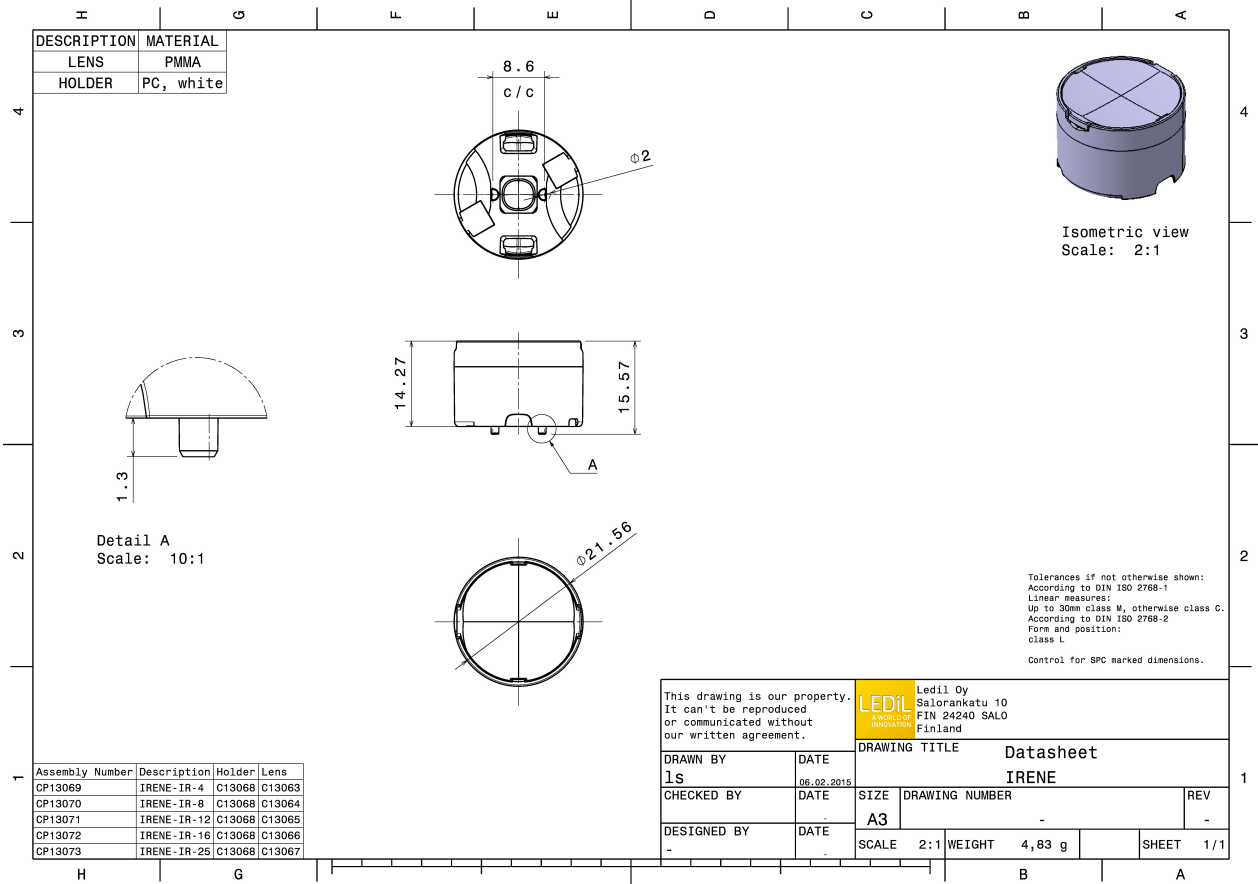
#### MATERIALS:

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

#### ORDERING INFORMATION:

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





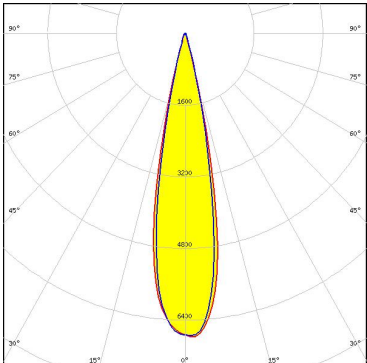
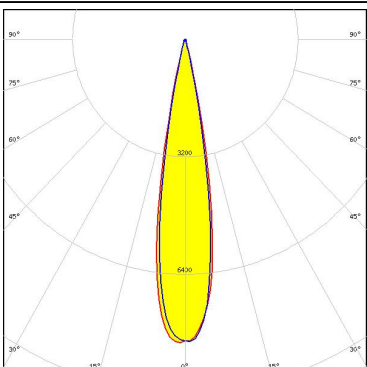
See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

## OPTICAL RESULTS (MEASURED):

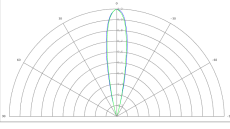
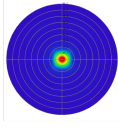
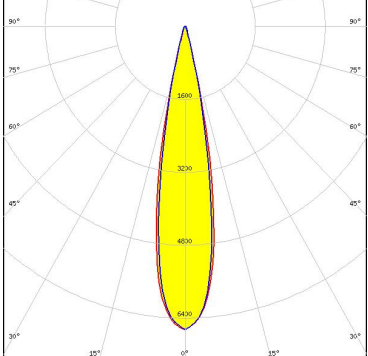
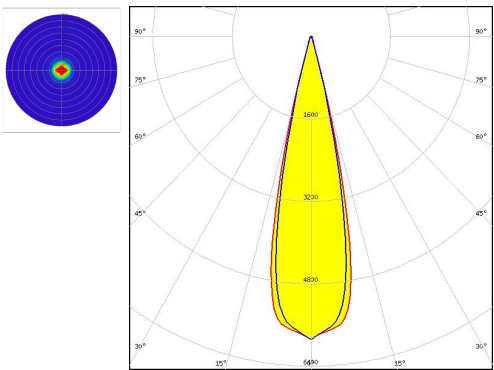
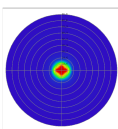
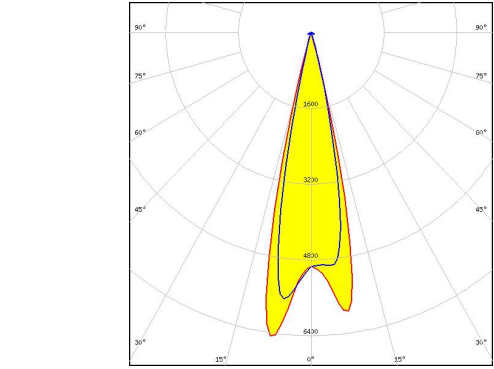
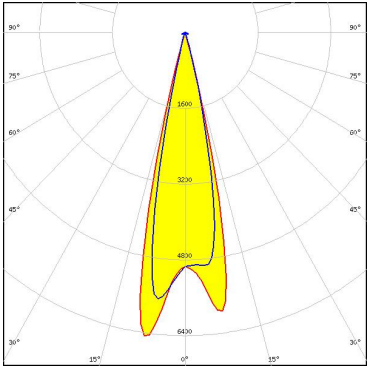
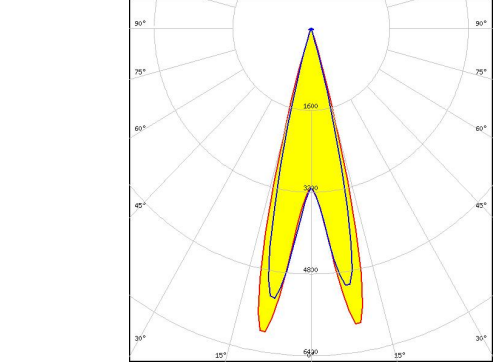
**OSRAM**  
Opto Semiconductors

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

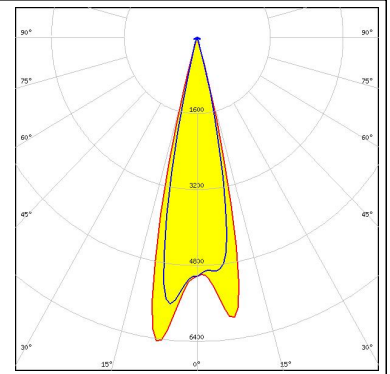
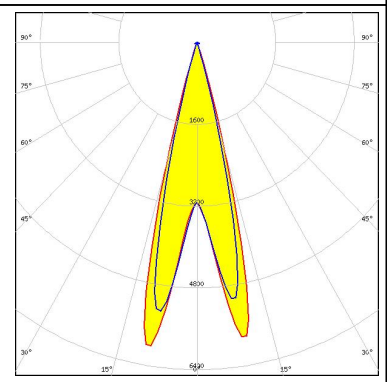
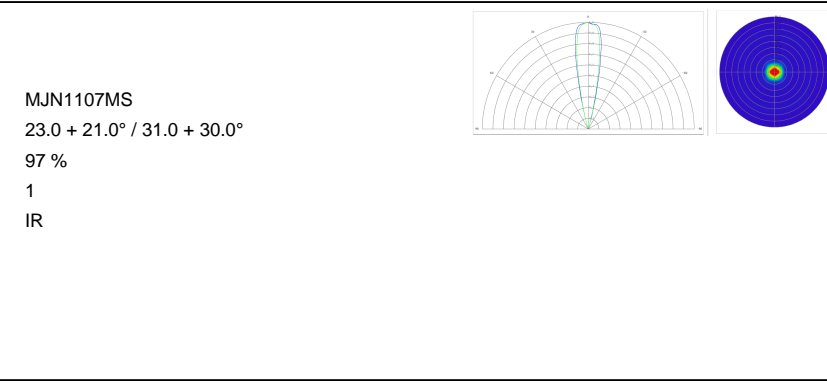
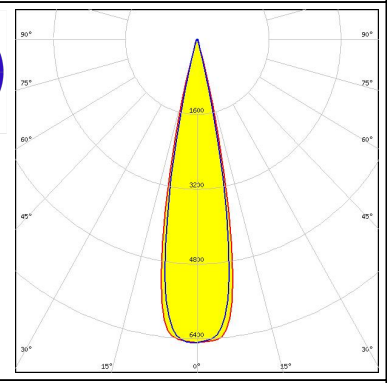
#### OPTICAL RESULTS (SIMULATED):

<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>	

#### OPTICAL RESULTS (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>			

#### OPTICAL RESULTS (SIMULATED):

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