

IRENE-IR-4

~65° + 65° rectangular beam

TECHNICAL SPECIFICATIONS:

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

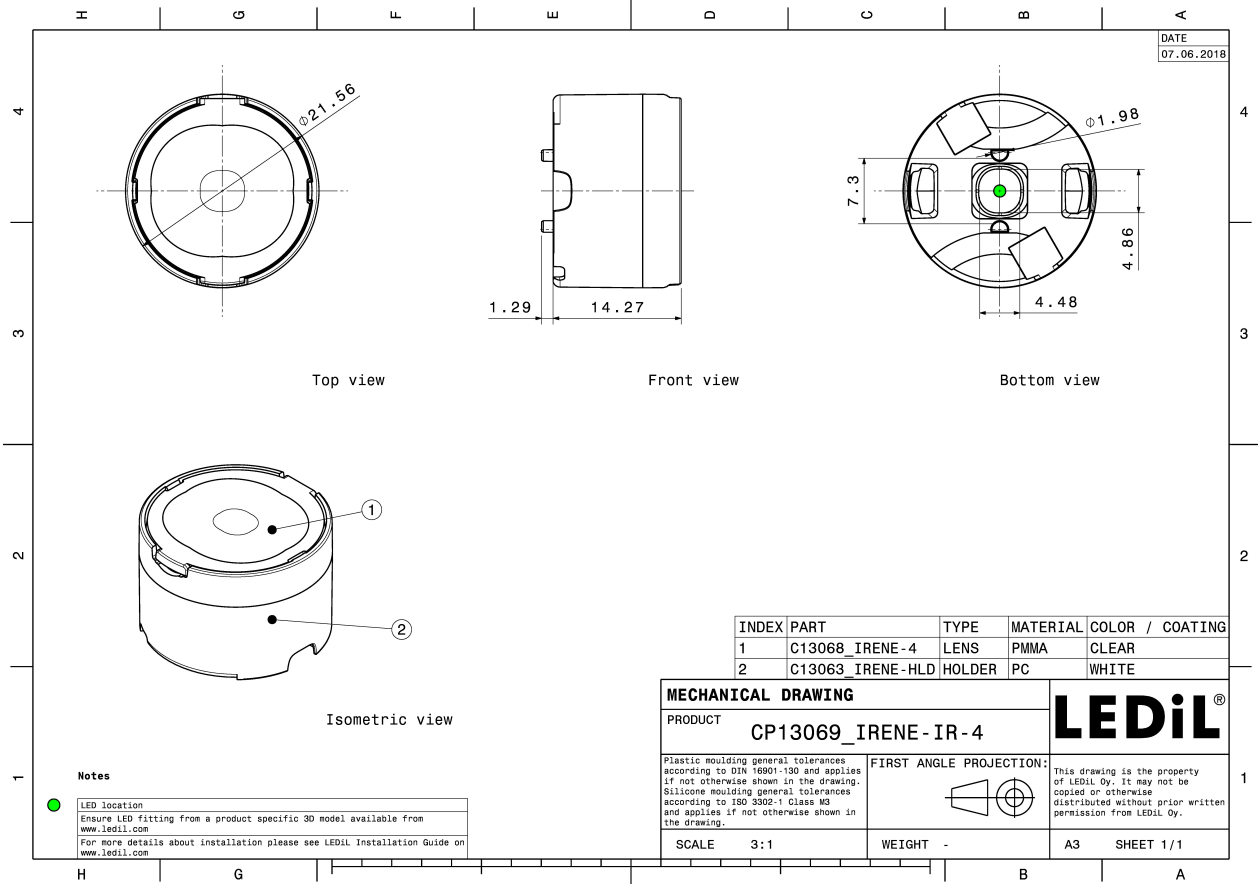


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
IRENE-4	Multi-lens	PMMA	clear	
IRENE-HLD	Holder	PC	white	

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CP13069_IRENE-IR-4 » Box size: 480 x 280 x 300 mm	Multi-lens	1792	336	112	10.6



See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED SFH 4715S
FWHM / FWTM 67.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM
Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 68.0° / 96.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED: LUXEON IR 2720
 FWHM / FWTM: 74.0 + 66.0° / 97.0 + 92.0°
 Efficiency: 93 %
 LEDs/each optic: 1
 Light colour: IR
 Required components:

LUMILEDS

LED: LUXEON IR Compact
 FWHM / FWTM: 72.0 + 62.0° / 89.0 + 83.0°
 Efficiency: 79 %
 LEDs/each optic: 1
 Light colour: White
 Required components:

OSRAM
 Opto Semiconductors

LED: SFH 4714A
 FWHM / FWTM: 78.0 + 66.0° / 102.0 + 91.0°
 Efficiency: 71 %
 LEDs/each optic: 1
 Light colour: IR
 Required components:

OSRAM
 Opto Semiconductors

LED: SFH 4725AS
 FWHM / FWTM: 70.0 + 62.0° / 91.0 + 85.0°
 Efficiency: 92 %
 LEDs/each optic: 1
 Light colour: IR
 Required components:

Detector Stage: Luminous Intensity		Unit
20.3.2021	Detector: IR-BSG Surface 1:	
	Detector angle: 90.00 Deg. Dist. Axis = 112.0007	
	Peak Intensity: 9.1108146E Lumen/steradian	
	Total Power: 1.915321E Lumen	

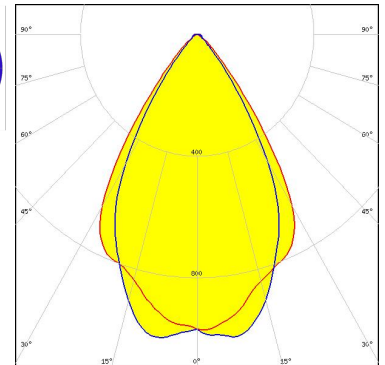
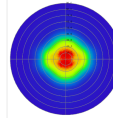
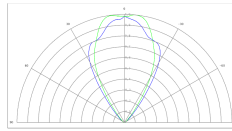
PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4770S
 FWHM / FWTM 63.0 + 53.0° / 89.0 + 82.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour White
 Required components:

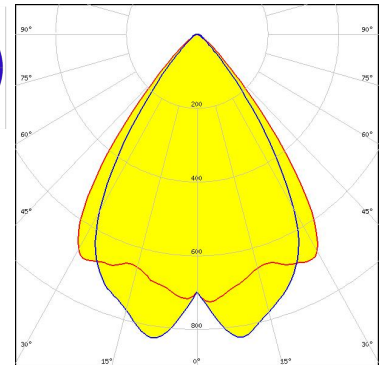
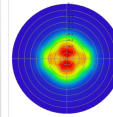
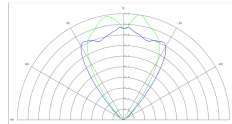
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LED FWR1107MS
 FWHM / FWTM 66.0 + 59.0° / 91.0 + 84.0°
 Efficiency 93 %
 LEDs/each optic 1
 Light colour IR
 Required components:



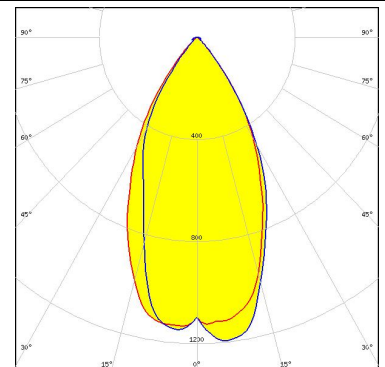
STANLEY

LED FWR1108MS
 FWHM / FWTM 75.0 + 67.0° / 97.0 + 91.0°
 Efficiency 92 %
 LEDs/each optic 1
 Light colour IR
 Required components:

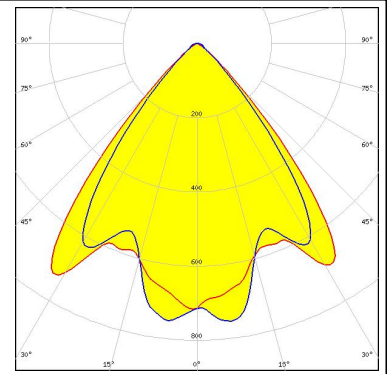
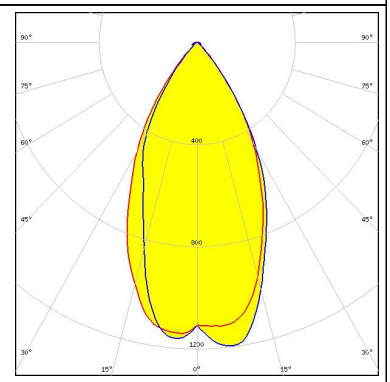
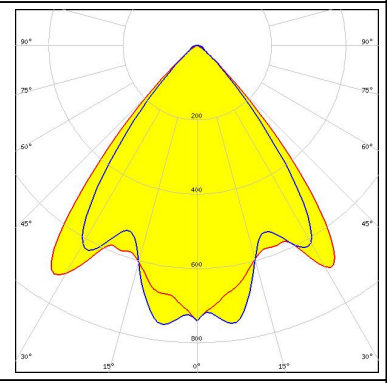
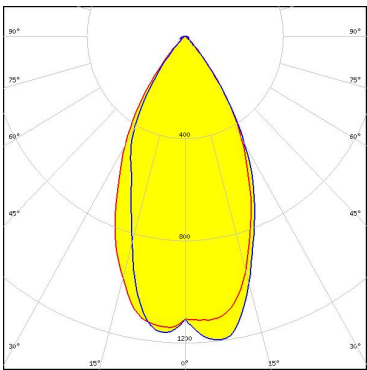
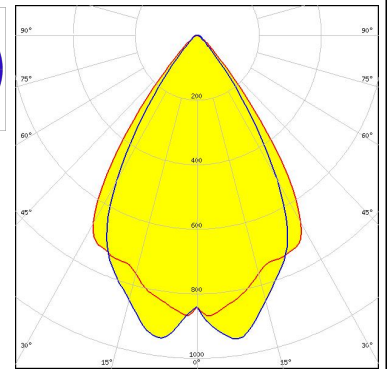
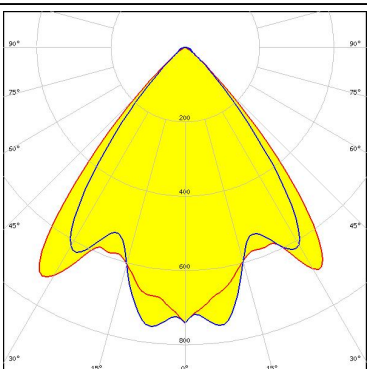

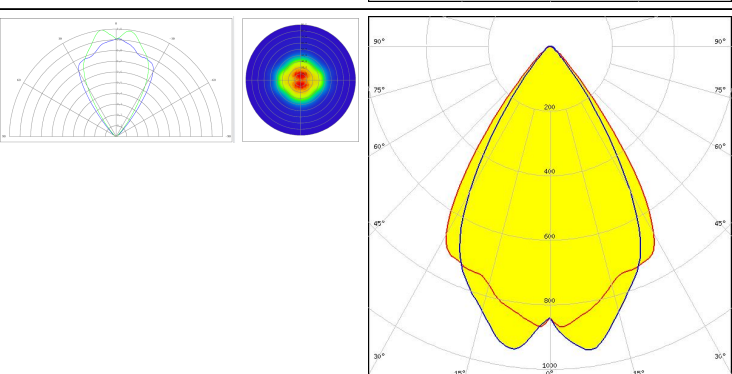


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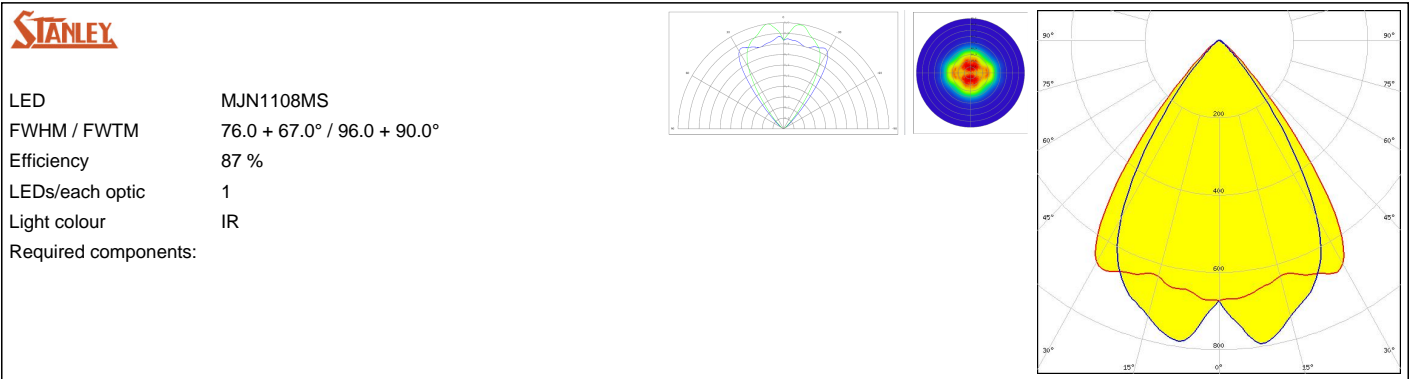
LED MFN1107MS
 FWHM / FWTM 53.0° / 84.0°
 Efficiency 91 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour IR
 Required components:



PHOTOMETRIC DATA (SIMULATED):

	<p>LED MFN1108MS FWHM / FWTM 81.0° / 99.0° Efficiency 91 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour IR Required components:</p>	
	<p>LED MGN1107MS FWHM / FWTM 53.0° / 84.0° Efficiency 91 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour IR Required components:</p>	
	<p>LED MGN1108MS FWHM / FWTM 81.0° / 99.0° Efficiency 91 % Peak intensity 0.8 cd/lm LEDs/each optic 1 Light colour IR Required components:</p>	
	<p>LED MJN1107MS FWHM / FWTM 69.0 + 61.0° / 91.0 + 88.0° Efficiency 92 % LEDs/each optic 1 Light colour IR Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):



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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

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