

IRIS-M

~25° medium beam optimized for CREE XM-L.
Assembly with holder, sublens and installation
tape.

SPECIFICATION:

Dimensions	Ø 38.0 mm
Height	29.2 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

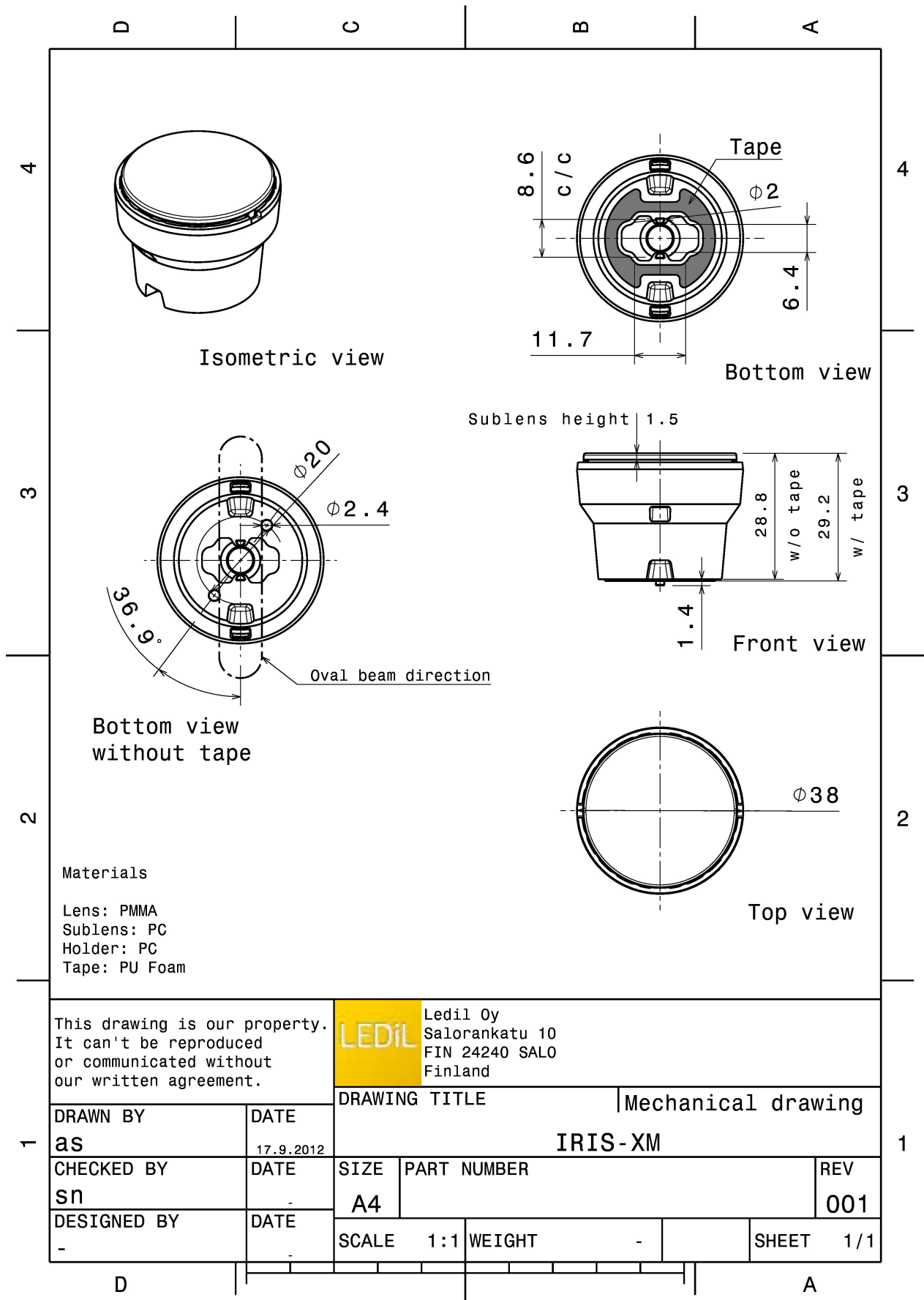
MATERIALS:

Component	Type	Material	Colour	Finish
IRIS	Single lens	PMMA	clear	
IRIS-XM-HLD	Holder	PC	black	
SPUTNIK-TAPE	Tape	Acrylic foam	black	
LEDILSTAR-SUB	Sublens	PC		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA12777_IRIS-M	Single lens	378	126	42	9.0
» Box size: 480 x 280 x 300 mm					


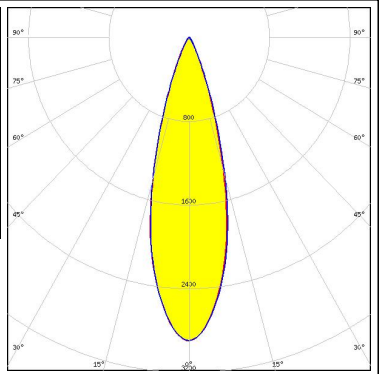
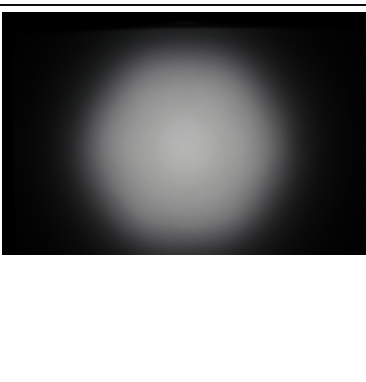
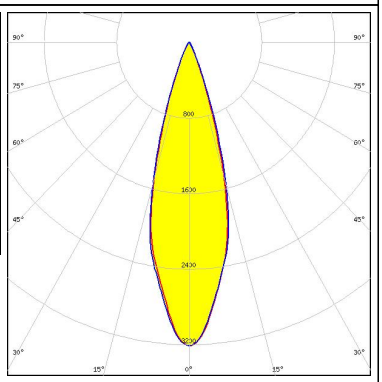
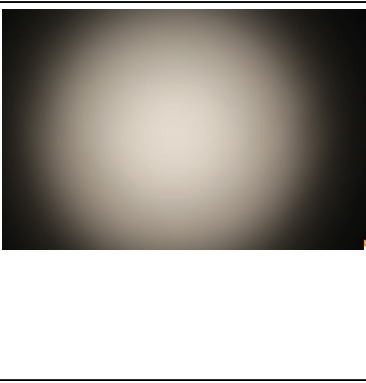
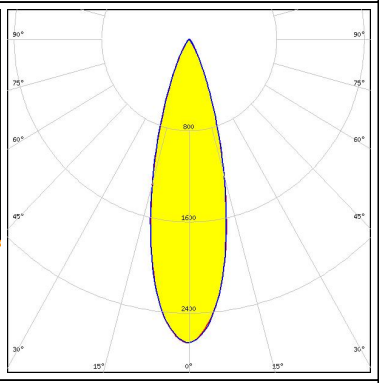

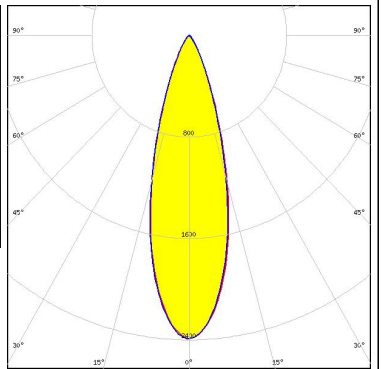




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DRAWN BY as		DATE 17.9.2012	
CHECKED BY sn		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE IRIS-XM		Mechanical drawing	
SIZE A4	PART NUMBER	REV 001	
SCALE 1:1	WEIGHT -	SHEET 1/1	

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

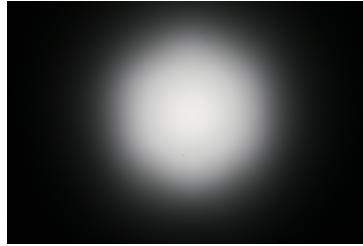
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XHP35 HD FWHM / FWTM 29.0° / 50.0° Efficiency 83 % Peak intensity 2.9 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP35 HI FWHM / FWTM 29.0° / 47.0° Efficiency 85 % Peak intensity 3.2 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP50 FWHM / FWTM 29.0° / 53.0° Efficiency 83 % Peak intensity 2.7 cd/m LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XHP50.2 FWHM / FWTM 30.0° / 55.0° Efficiency 80 % Peak intensity 2.4 cd/m LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

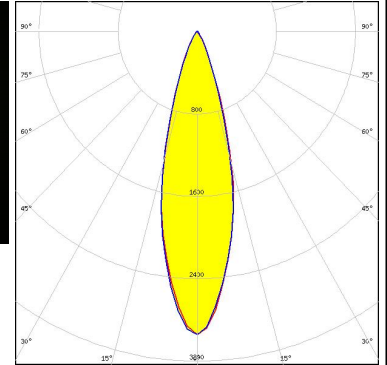
CREE LED

LED XM-L
 FWHM / FWTM 28.0° / 50.0°
 Efficiency 84 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



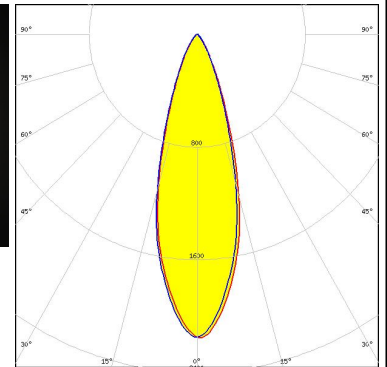
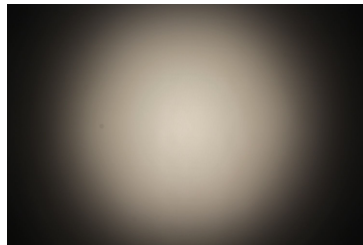
CREE LED

LED XM-L2
 FWHM / FWTM 29.0° / 52.0°
 Efficiency 80 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

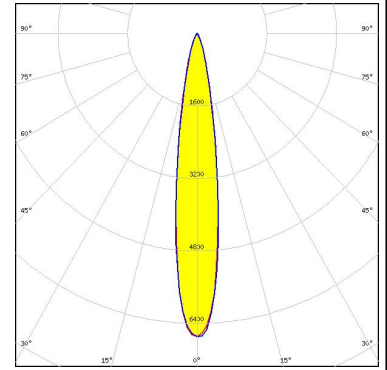
LED NFMW48xA
 FWHM / FWTM 31.0° / 59.0°
 Efficiency 80 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



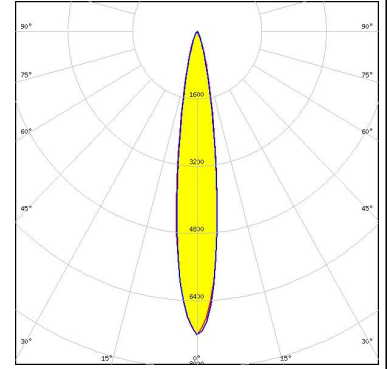
OPTICAL RESULTS (SIMULATED):



LED J Series 5050B 6V K Class
FWHM / FWTM 16.0° / 34.0°
Efficiency 84 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED J Series 5050C 6V E Class
FWHM / FWTM 16.0° / 34.0°
Efficiency 84 %
Peak intensity 7.2 cd/lm
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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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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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