

IRIS-O

~40° x 30° oval beam with sublens and holder optimized for CREE XM-L.

SPECIFICATION:

Dimensions	Ø 38.0 mm
Height	28.8 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
F12075_IRIS	Single lens	PMMA	clear	
C12034_IRIS-XM-HLD	Holder	PC	black	
C12733_IRIS-SUB-O	Sublens	PC	clear	

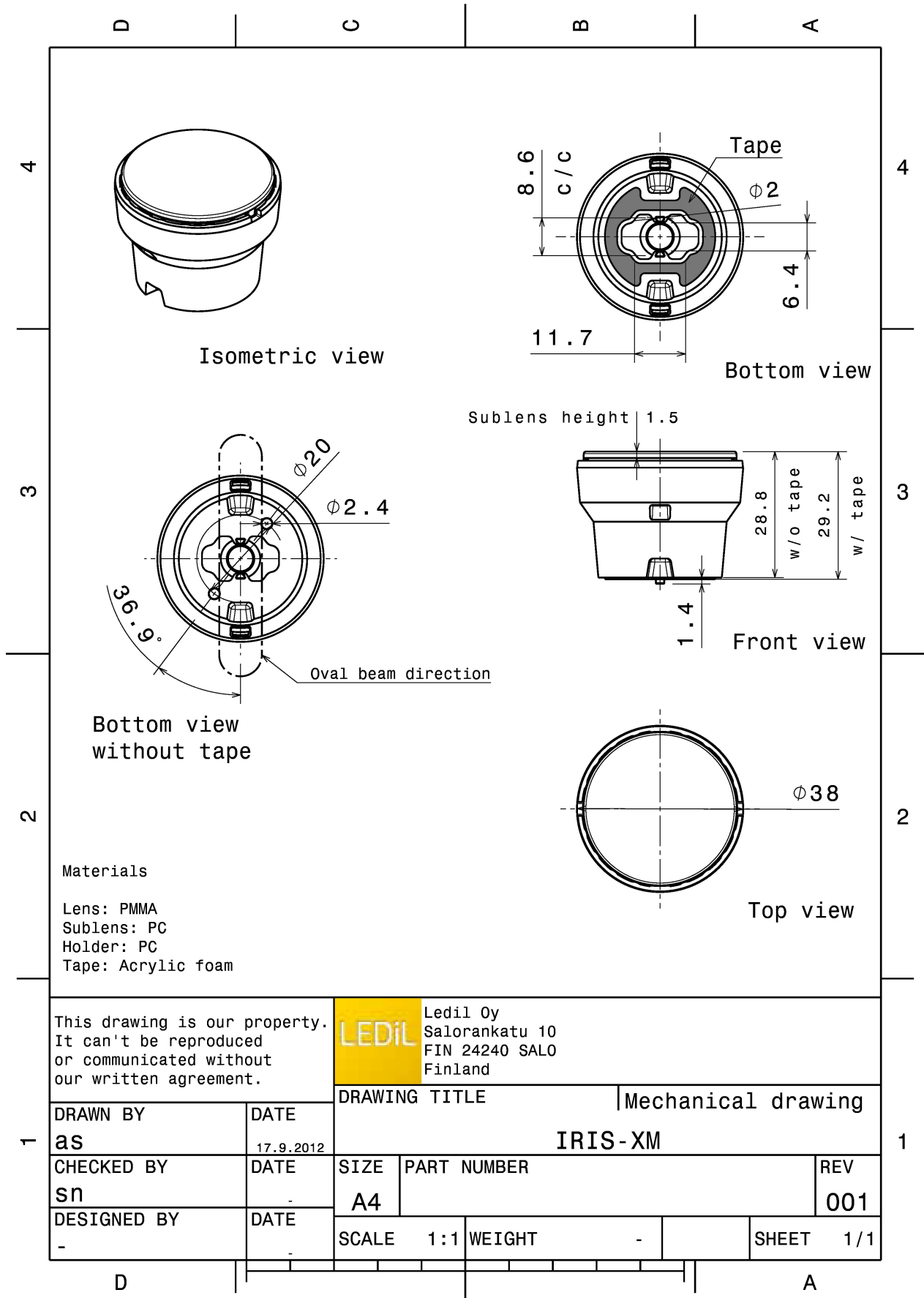
ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1
Sublens	1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
F12075_IRIS	Single lens	450	90	45	7.5
» Box size: 480 x 280 x 300 mm					
C12034_IRIS-XM-HLD	Holder	1080	90	15	7.3
» Box size: 480 x 280 x 300 mm					
C12733_IRIS-SUB-O	Sublens	2500	90	4	5.0
» Box size: 300 x 250 x 250 mm					



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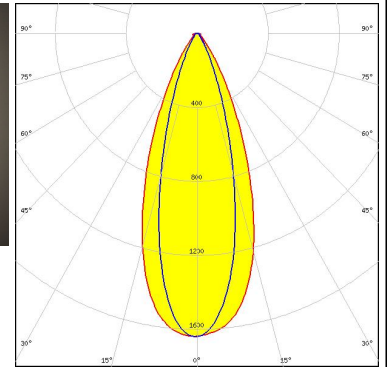
DRAWN BY as		DATE 17.9.2012	DRAWING TITLE IRIS-XM		Mechanical drawing
CHECKED BY sn	DATE -	SIZE A4	PART NUMBER	REV 001	
DESIGNED BY -	DATE -	SCALE 1:1	WEIGHT -	SHEET 1/1	

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

OPTICAL RESULTS (MEASURED):

CREE LED

LED XHP50
 FWHM / FWTM 42.0 + 29.0° / 72.0 + 55.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



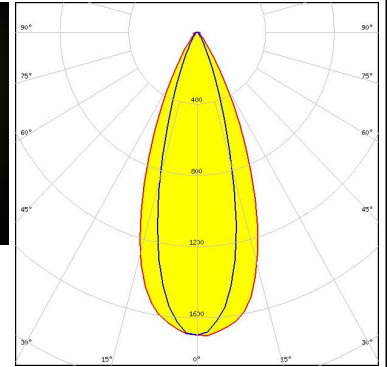
CREE LED

LED XM-L
 FWHM / FWTM 42.0 + 30.0° / 72.0 + 54.0°
 Efficiency 81 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



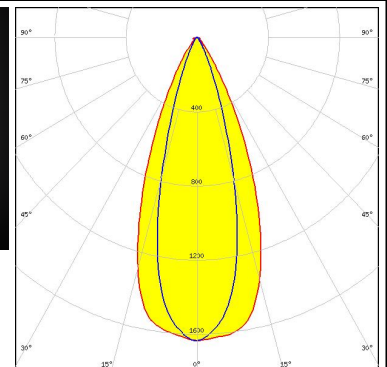
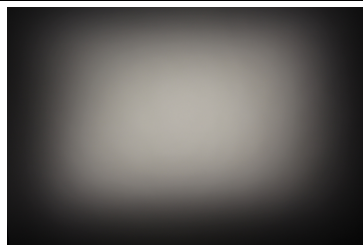
CREE LED

LED XM-L2
 FWHM / FWTM 43.0 + 30.0° / 70.0 + 53.0°
 Efficiency 80 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

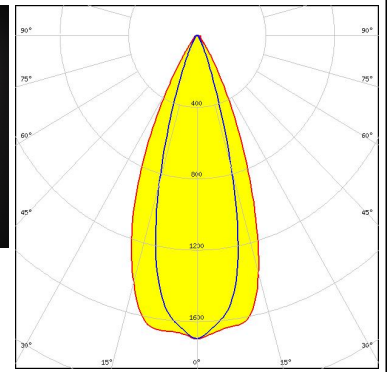
LED LUXEON V
 FWHM / FWTM 44.0 + 29.0° / 70.0 + 51.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):



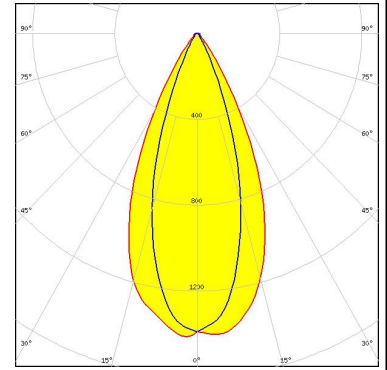
LED NVSW219F
FWHM / FWTM 44.0 + 29.0° / 68.0 + 48.0°
Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

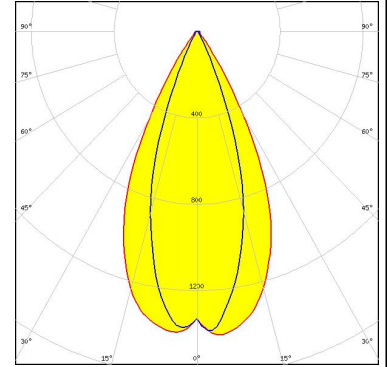
CREE → LED

LED XHP35 HD
 FWHM / FWTM 49.0 + 34.0° / 75.0 + 57.0°
 Efficiency 82 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



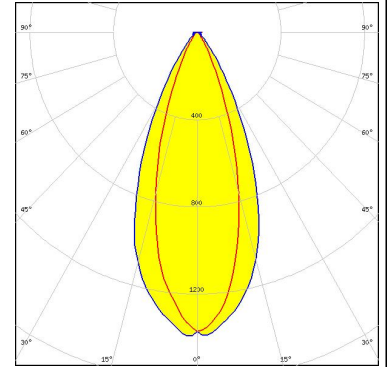
CREE → LED

LED XHP35 HI
 FWHM / FWTM 52.0 + 36.0° / 74.0 + 54.0°
 Efficiency 84 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE → LED

LED XHP50.2
 FWHM / FWTM 46.0 + 32.0° / 76.0 + 59.0°
 Efficiency 79 %
 Peak intensity 1.4 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:

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