

IRIS-O

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

TECHNICAL SPECIFICATIONS:

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

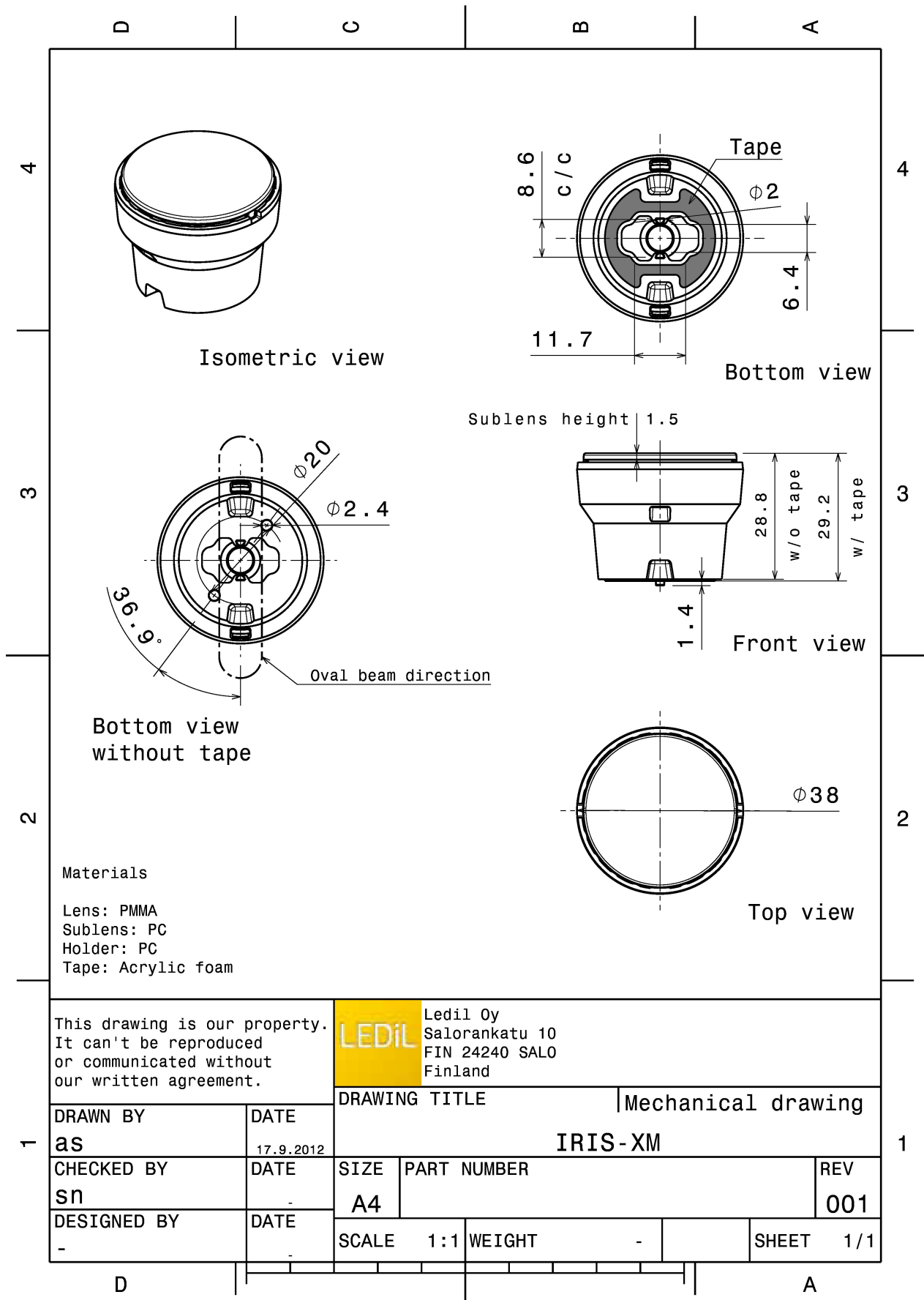
MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCN12775_IRIS-O	Single lens	360	90	90	0.0
» Box size:					





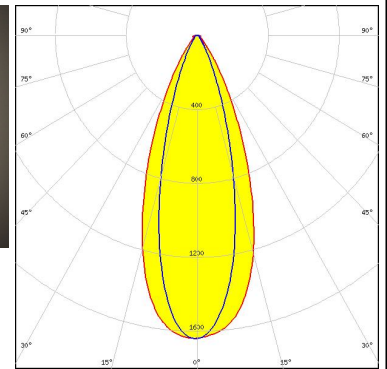
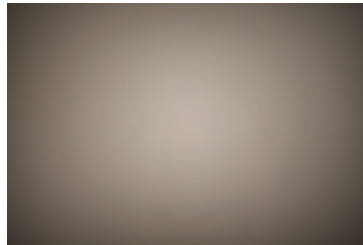
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DRAWN BY as		DATE 17.9.2012	
CHECKED BY sn		DATE -	
DESIGNED BY -		DATE -	
DRAWING TITLE IRIS-XM		Mechanical drawing	
SIZE A4	PART NUMBER	REV 001	
SCALE 1:1	WEIGHT -	SHEET 1/1	

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

PHOTOMETRIC DATA (MEASURED):

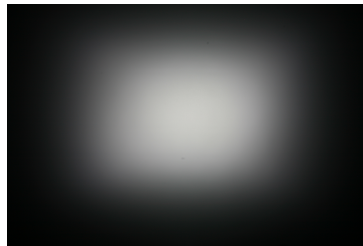
CREE LED

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:



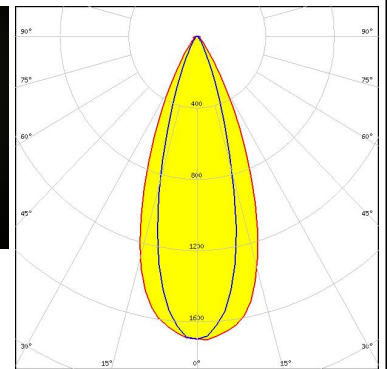
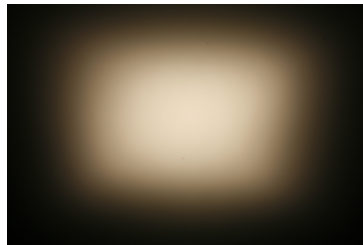
CREE LED

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:



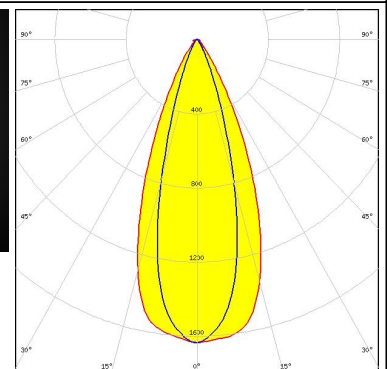
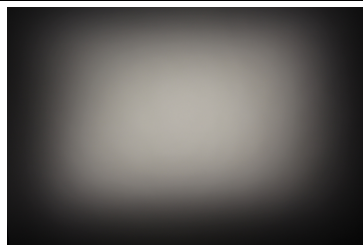
CREE LED

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

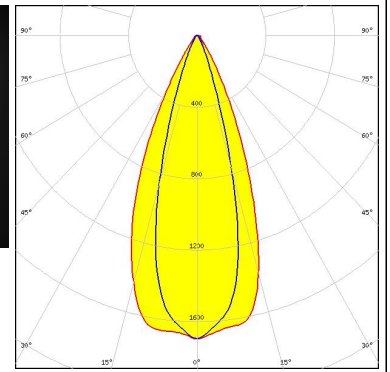
LED LUXEON V
 FWHM / FWTM 44.0 + 29.0° / 70.0 + 51.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):



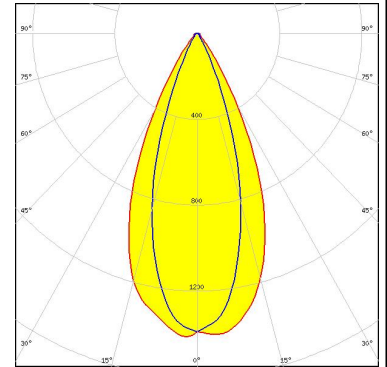
LED NVSW219F
FWHM / FWTM 44.0 + 29.0° / 68.0 + 48.0°
Efficiency 82 %
Peak intensity 1.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



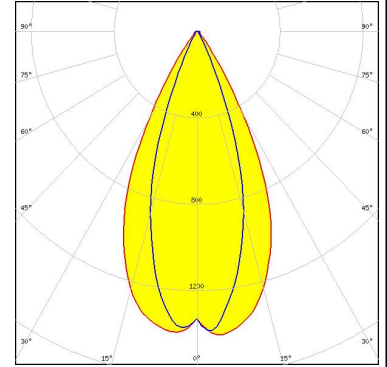
PHOTOMETRIC DATA (SIMULATED):



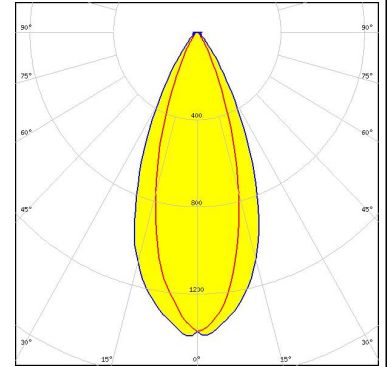
LED XHP35 HD
 FWHM / FWTM 49.0 + 34.0° / 75.0 + 57.0°
 Efficiency 82 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



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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