

### 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	

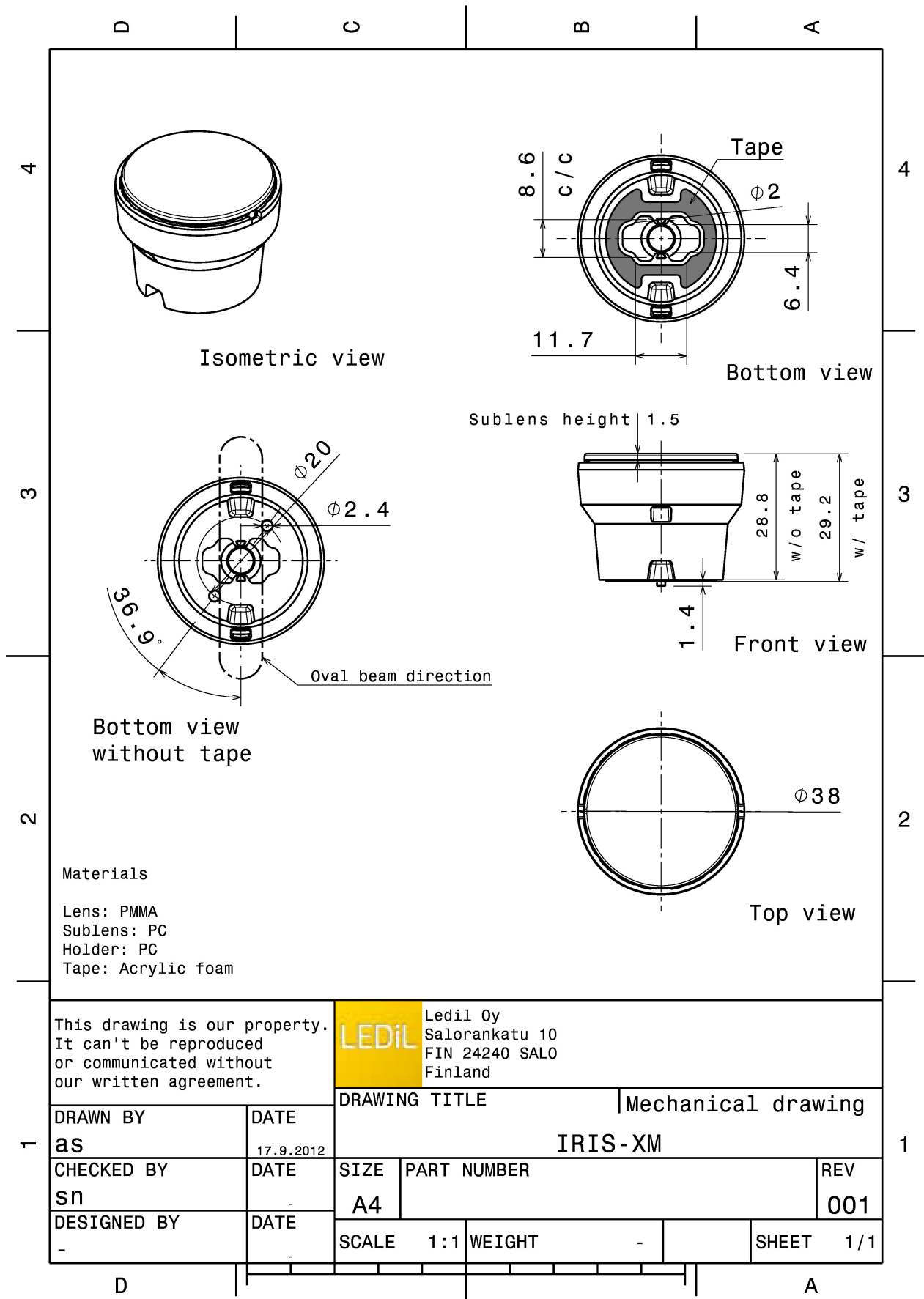
#### ORDERING INFORMATION:

##### Quantities for one set:

Single lens	1
Holder	1
Sublens	1



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

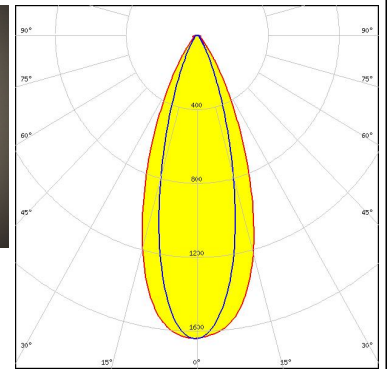
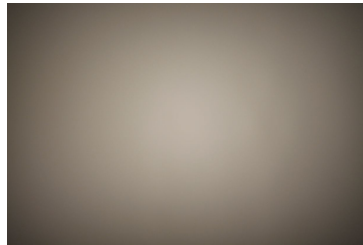


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

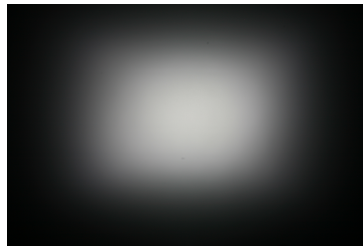
### OPTICAL RESULTS (MEASURED):



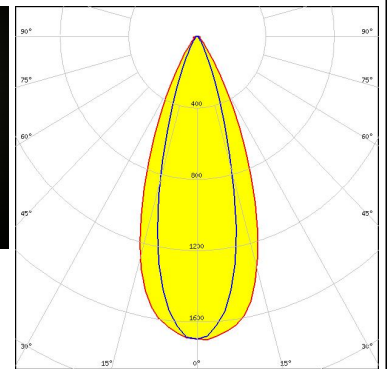
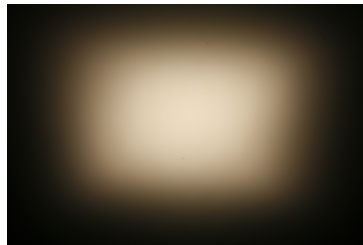
LED XHP50  
FWHM / FWTM 42.0 + 29.0° / 72.0 + 55.0°  
Efficiency 80 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



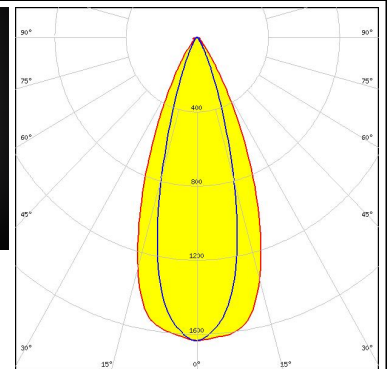
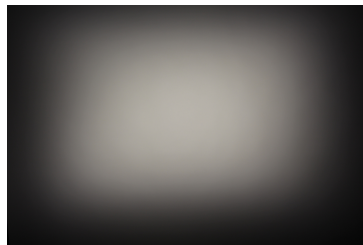
LED XM-L  
FWHM / FWTM 42.0 + 30.0° / 72.0 + 54.0°  
Efficiency 81 %  
Peak intensity 2.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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:



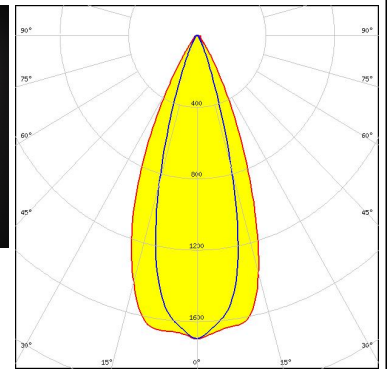
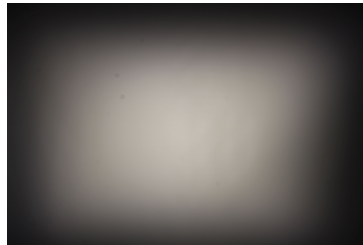
LED LUXEON V  
FWHM / FWTM 44.0 + 29.0° / 70.0 + 51.0°  
Efficiency 80 %  
Peak intensity 1.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):



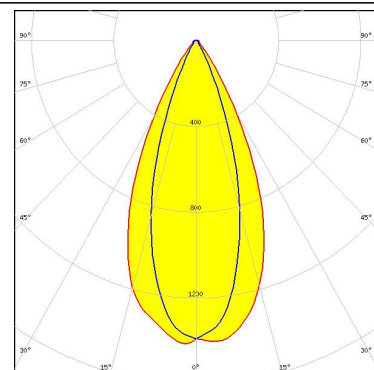
LED NVSW219F  
 FWHM / FWTM 44.0 + 29.0° / 68.0 + 48.0°  
 Efficiency 82 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



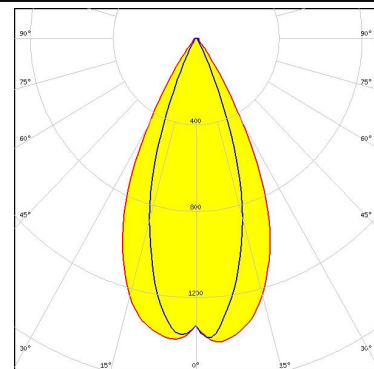
### OPTICAL RESULTS (SIMULATED):



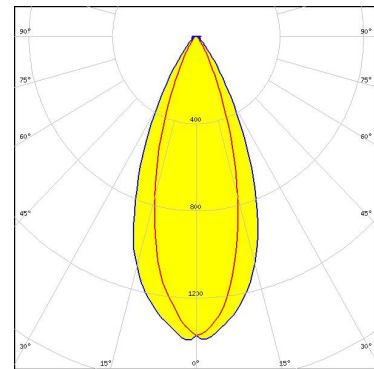
LED XHP35 HD  
FWHM / FWTM 49.0 + 34.0° / 75.0 + 57.0°  
Efficiency 82 %  
Peak intensity 1.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



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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