

## 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 ⓘ

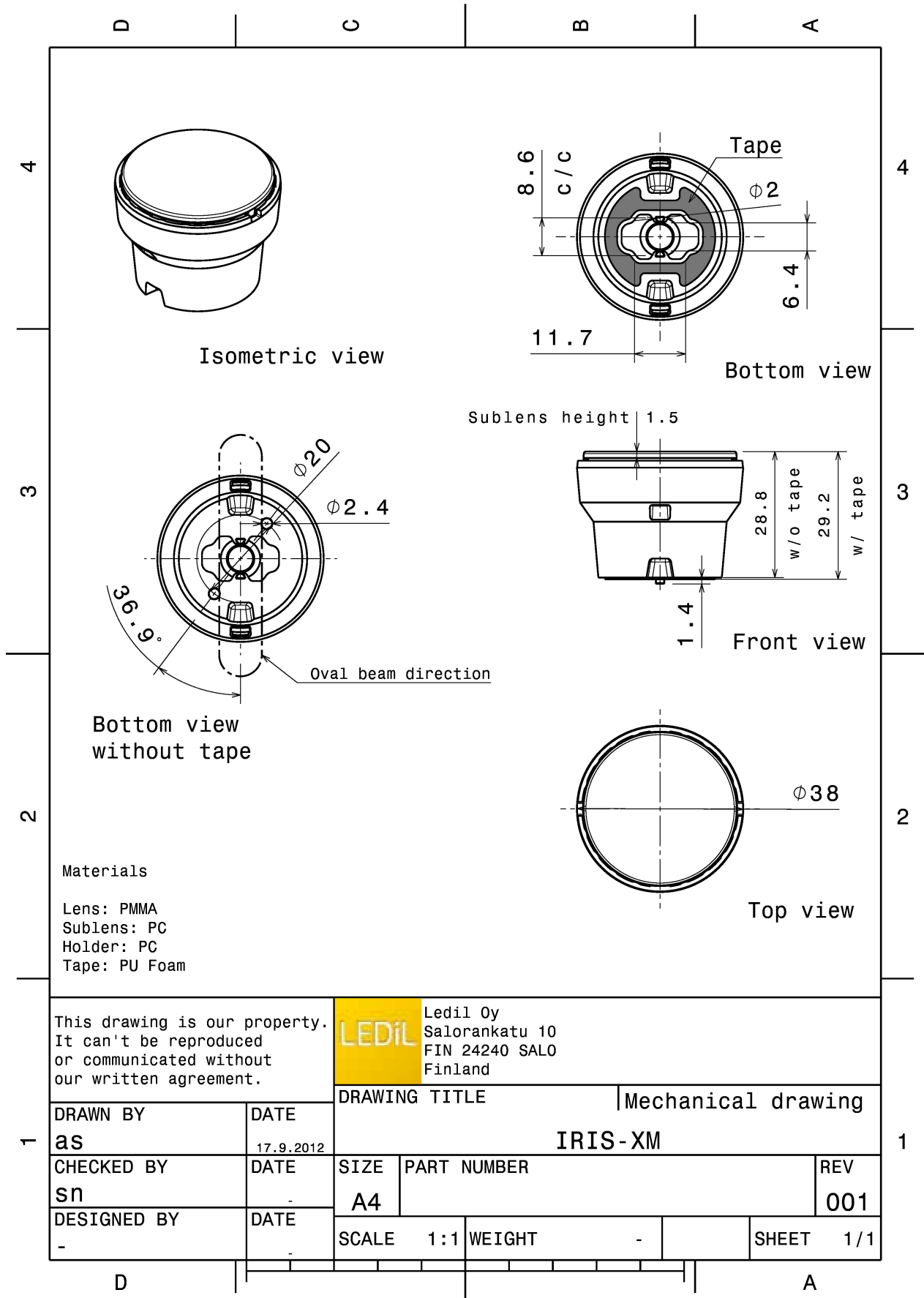
### MATERIALS:

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		




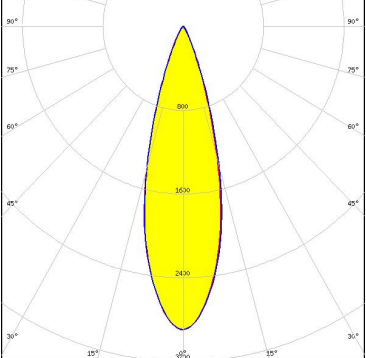
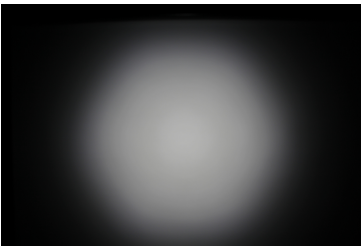
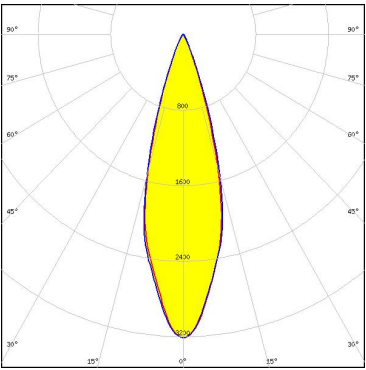

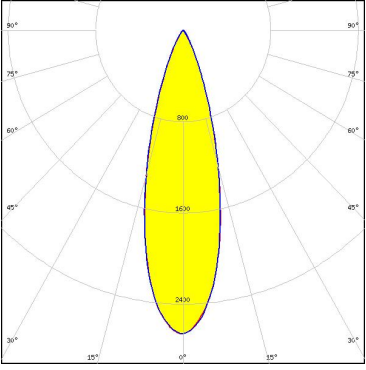

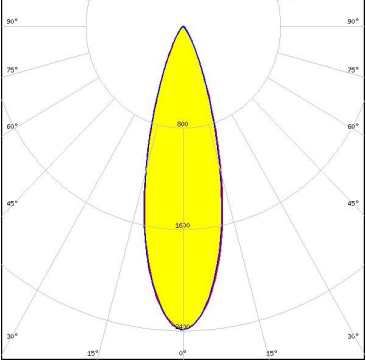
### ORDERING INFORMATION:

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					



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

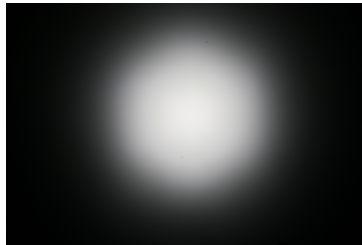
### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LEDs</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><b>CREE</b> LEDs</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><b>CREE</b> LEDs</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><b>CREE</b> LEDs</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>		

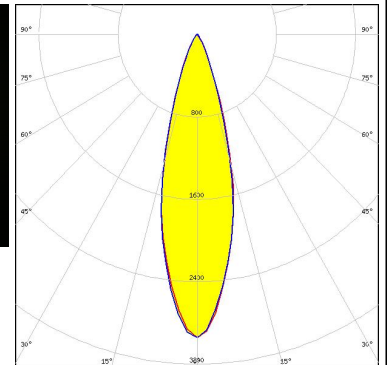
#### OPTICAL RESULTS (MEASURED):



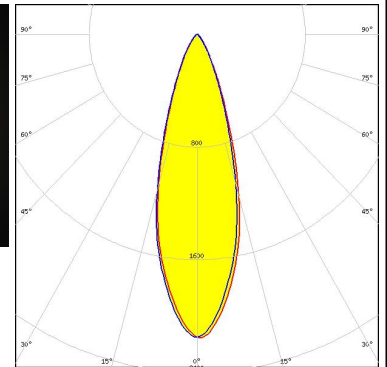
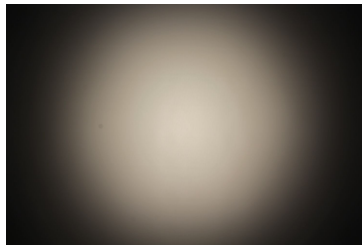
LED XM-L  
 FWHM / FWTM 28.0° / 50.0°  
 Efficiency 84 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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:



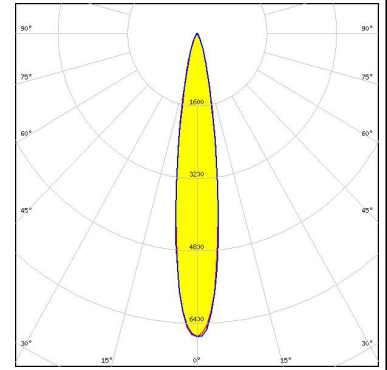
LED NFMW48xA  
 FWHM / FWTM 31.0° / 59.0°  
 Efficiency 80 %  
 Peak intensity 2.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



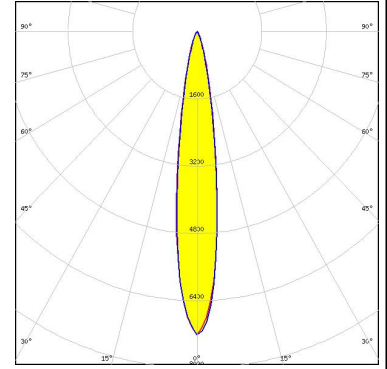
### OPTICAL RESULTS (SIMULATED):



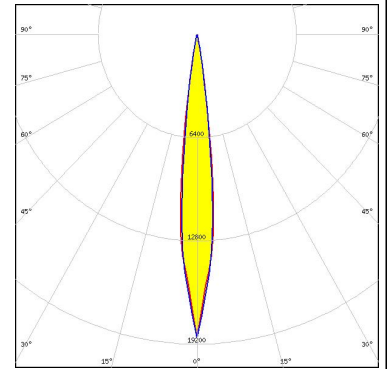
LED J Series 5050B 6V K Class  
 FWHM / FWTM 16.0° / 34.0°  
 Efficiency 84 %  
 Peak intensity 6.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



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:



LED XP-P  
 FWHM / FWTM 12.0° / 20.0°  
 Efficiency 86 %  
 Peak intensity 18.8 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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