

### IRIS-M

~25° medium beam with sublens and holder optimized for Luminus SST-50

#### SPECIFICATION:

Dimensions	Ø 38.0 mm
Height	29.6 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

#### MATERIALS:

Component	Type	Material	Colour	Finish
C10781_IRIS	Single lens	PMMA	clear	
C11534_IRIS-SST-HLD	Holder	PC	black	
C10333_LEDILSTAR-SUB	Sublens	PC		

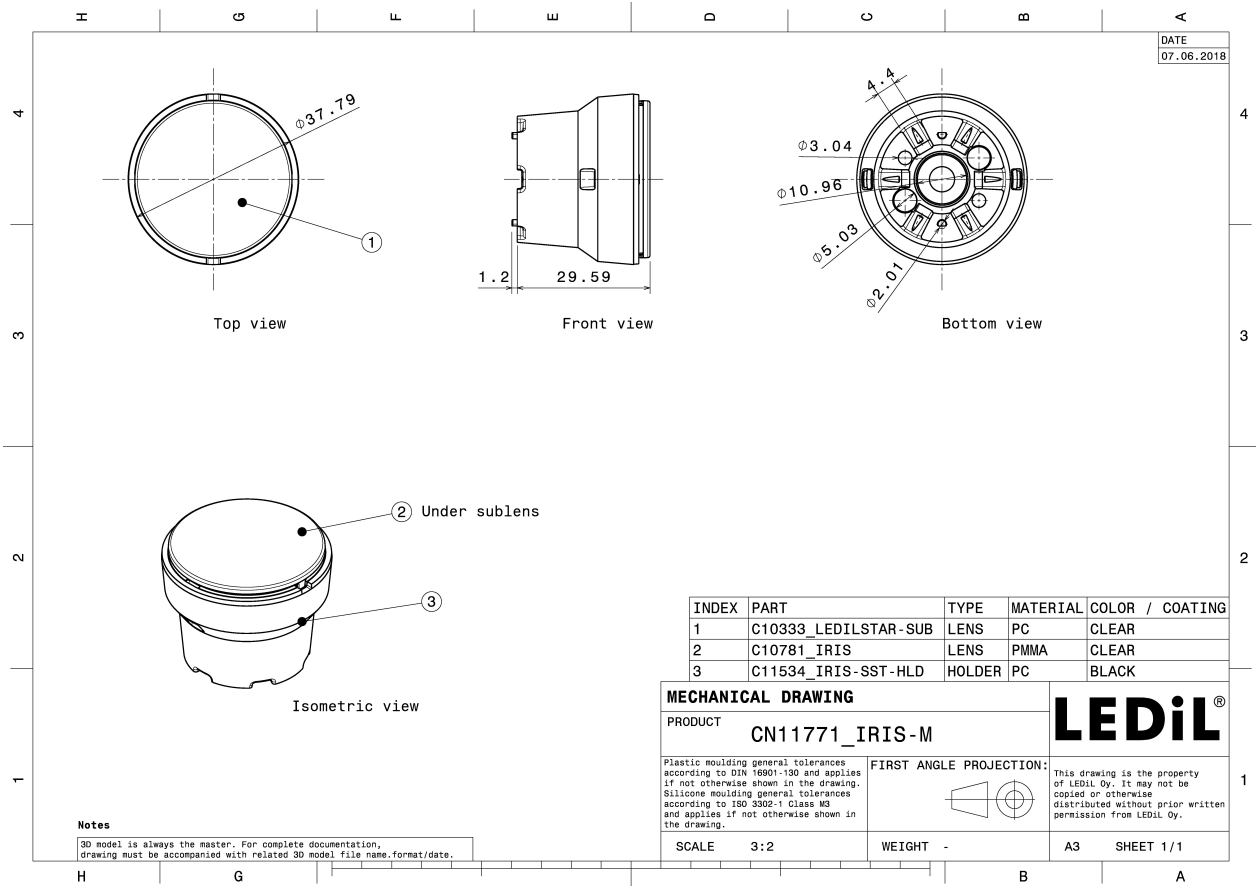


#### ORDERING INFORMATION:

##### Quantities for one set:


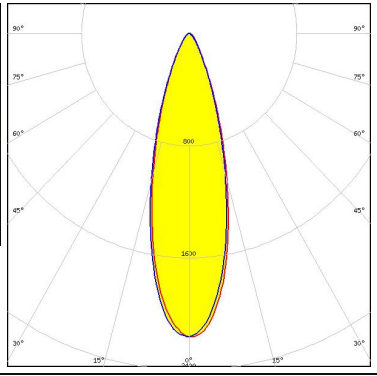

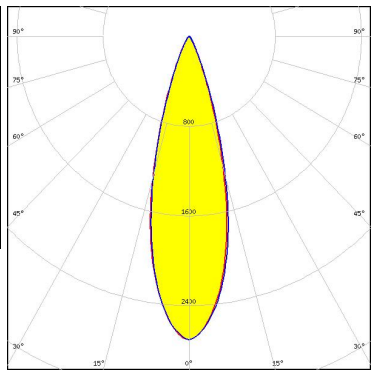

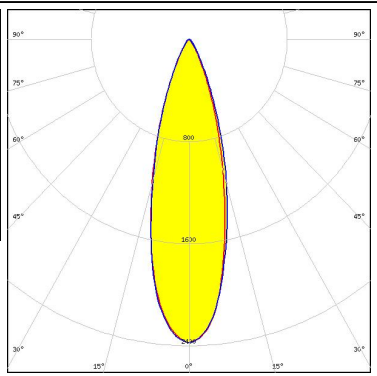

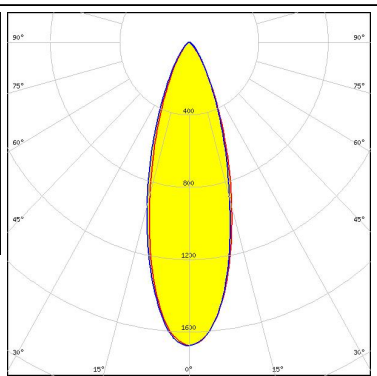
Single lens	1
Holder	1
Sublens	1

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C10781_IRIS	Single lens	580	116	58	9.0
» Box size: 480 x 280 x 300 mm					
C11534_IRIS-SST-HLD	Holder	1044	116	29	6.8
» Box size: 480 x 280 x 300 mm					
C10333_LEDILSTAR-SUB	Sublens	2500	90	4	4.5
» Box size: 300 x 250 x 250 mm					



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

### OPTICAL RESULTS (MEASURED):

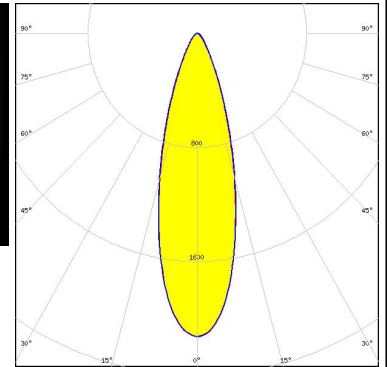
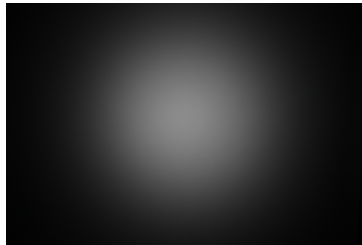
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED MHD-E/G            FWHM / FWTM 30.0° / 59.0°            Efficiency 83 %            Peak intensity 2.2 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP35 HD            FWHM / FWTM 29.0° / 50.0°            Efficiency 79 %            Peak intensity 2.7 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP35 HI            FWHM / FWTM 29.0° / 56.0°            Efficiency 80 %            Peak intensity 2.4 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XHP50.2            FWHM / FWTM 32.0° / 65.0°            Efficiency 73 %            Peak intensity 1.7 cd/m            LEDs/each optic 1            Light colour White            Required components:</p>		



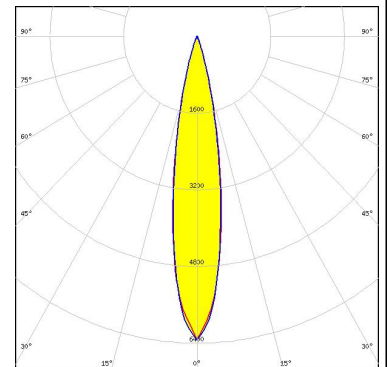
### OPTICAL RESULTS (MEASURED):



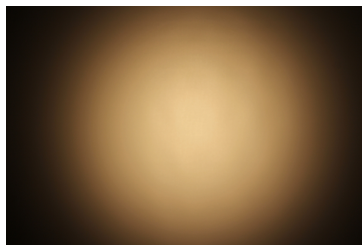
LED XHP70  
 FWHM / FWTM 30.0° / 60.0°  
 Efficiency 83 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



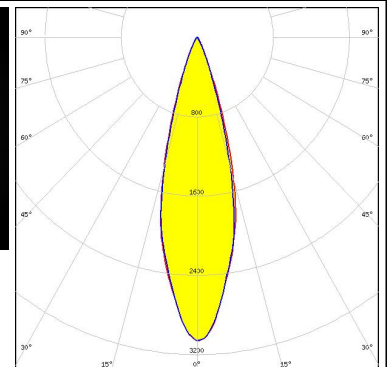
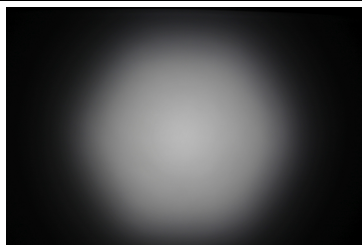
LED SST-90  
 FWHM / FWTM 18.0° / 36.0°  
 Efficiency %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED Duris S10  
 FWHM / FWTM 29.0° / 54.0°  
 Efficiency 78 %  
 Peak intensity 2.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED OSLOM Square CSSRM2/CSSRM3  
 FWHM / FWTM 29.0° / 47.0°  
 Efficiency 79 %  
 Peak intensity 3.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



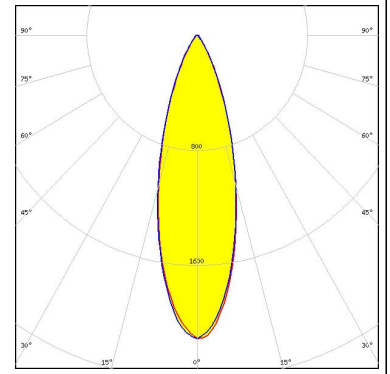
### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> → <b>LED</b></p> <p>LED J Series 5050B 6V K Class            FWHM / FWTM 16.0° / 30.0°            Efficiency 85 %            Peak intensity 9.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED J Series 5050C 6V E Class            FWHM / FWTM 16.0° / 28.0°            Efficiency 85 %            Peak intensity 9.7 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED XHP35.2 HD            FWHM / FWTM 16.0° / 33.0°            Efficiency 82 %            Peak intensity 7.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	
<p><b>CREE</b> → <b>LED</b></p> <p>LED XHP50.3 HD            FWHM / FWTM 16.0° / 29.0°            Efficiency 83 %            Peak intensity 9.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>	

### OPTICAL RESULTS (SIMULATED):



LED	XHP70.2
FWHM / FWTM	30.7° / 60.6°
Efficiency	80 %
Peak intensity	2.1 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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