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

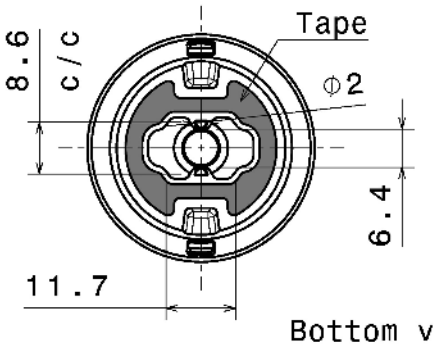
MATERIALS:

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		

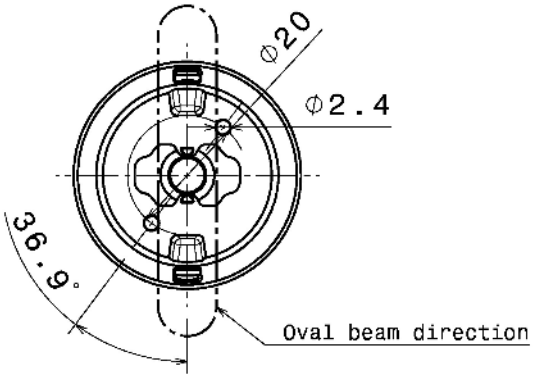
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA12777_IRIS-M » Box size: 480 x 280 x 300 mm	Single lens	378	126	42	9.0

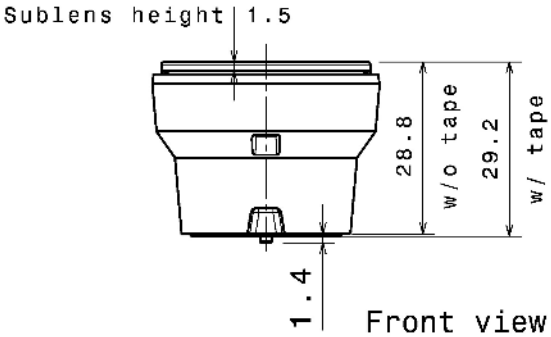
Isometric view



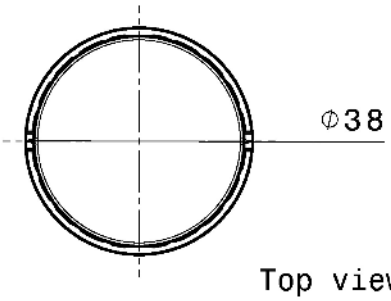
Bottom view



Bottom view
without tape



Front view



Top view

Materials

Lens: PMMA
Sublens: PC
Holder: PC
Tape: PU Foam

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

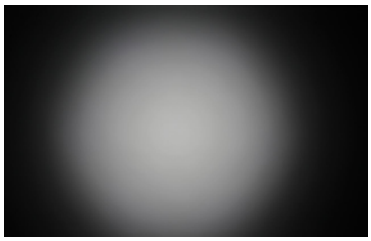
DRAWN BY: as	DATE: 17.9.2012	DRAWING TITLE: Mechanical drawing		
CHECKED BY: sn	DATE: -	IRIS-XM		
DESIGNED BY: -	DATE: -	SIZE: A4	PART NUMBER:	REV: 001
		SCALE: 1:1	WEIGHT: -	SHEET: 1/1

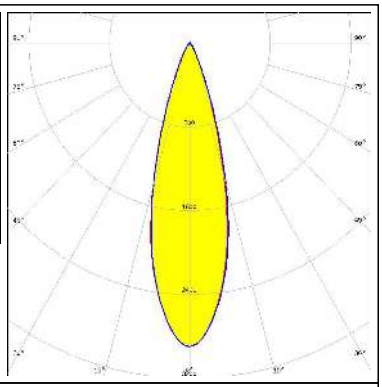
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED

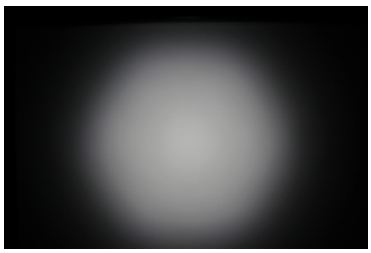
LED	XHP35 HD
FWHM / FWTM	29.0° / 50.0°
Efficiency	83 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

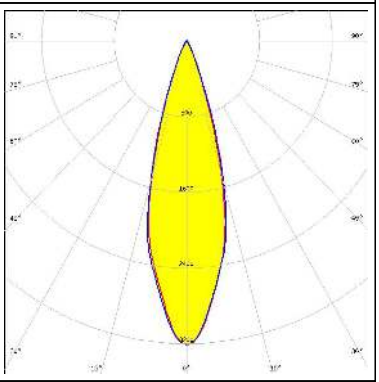




CREE LED

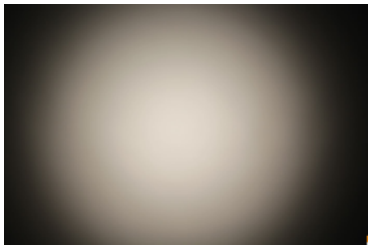
LED	XHP35 HI
FWHM / FWTM	29.0° / 47.0°
Efficiency	85 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

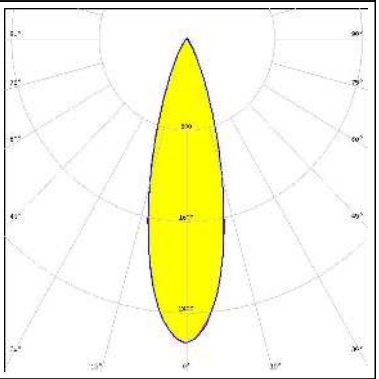




CREE LED

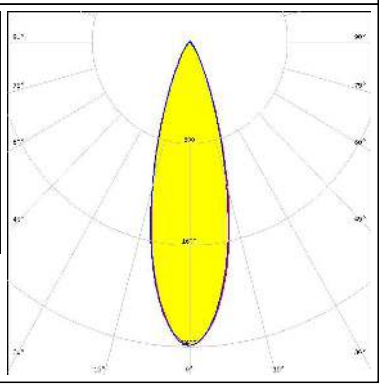
LED	XHP50
FWHM / FWTM	29.0° / 53.0°
Efficiency	83 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





CREE LED

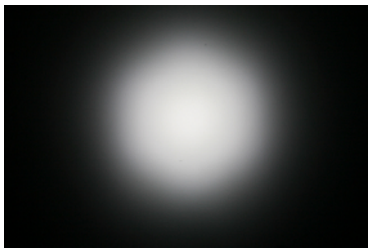
LED	XHP50.2
FWHM / FWTM	30.0° / 55.0°
Efficiency	80 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (MEASURED):

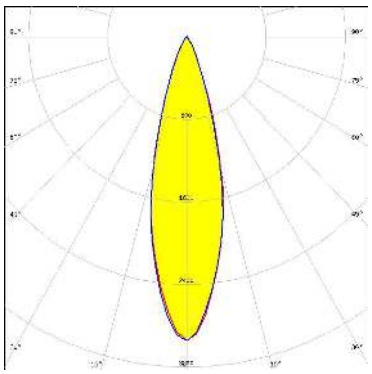
CREE LED

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:	



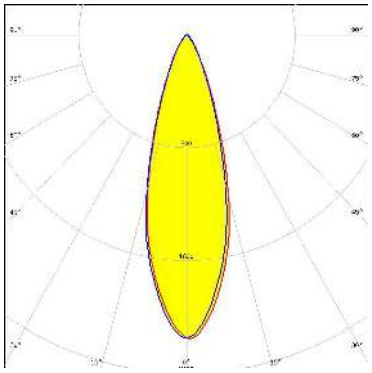
CREE LED

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:	



NICHIA

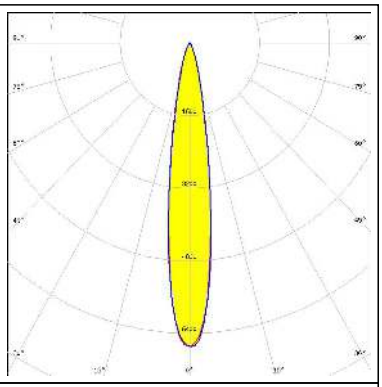
LED	NFMW48xA
FWHM / FWTM	31.0° / 59.0°
Efficiency	80 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

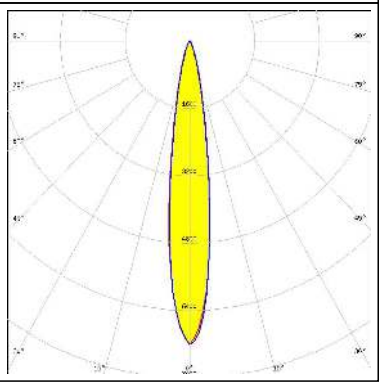
CREE LED

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:	



CREE LED

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:	



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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy