IRIS-M

~25° medium beam optimized for CREE XP-E. Assembly with holder, sublens and installation tape.



SPECIFICATION:

Dimensions	Ø 38.0 mm
Height	28.6 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
IRIS	Single lens	PMMA	clear		
IRIS-XP-HLD	Holder	PC	black		
SPUTNIK-TAPE	Tape	Acrylic foam	black		25.0
LEDILSTAR-SUB	Sublens	PC			

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FCA12792_IRIS-M » Box size: 480 x 280 x 300 mm	378	126	42	9.0

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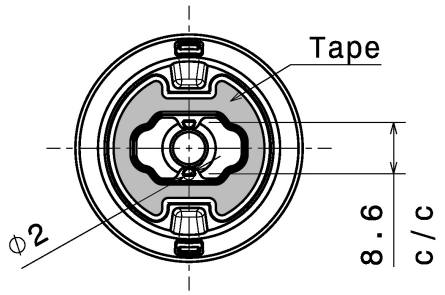
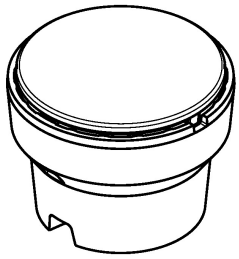
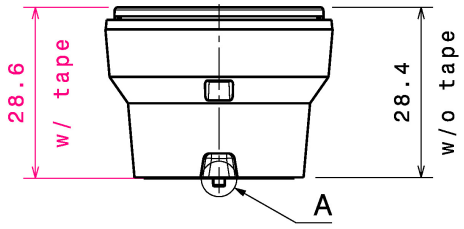


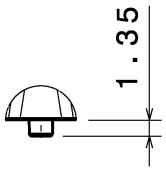
Bottom view



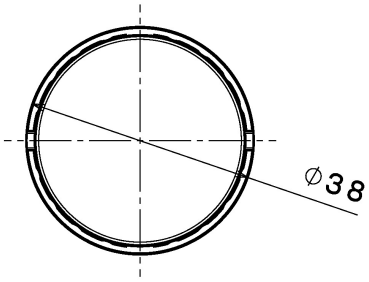
Isometric view



Front view



Detail A



Top view

Materials:

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

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our written agreement.

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWN BY: as	DATE: 17.8.2012	DRAWING TITLE: Mechanical drawing IRIS-XP			
CHECKED BY: sn	DATE: -	SIZE: A4	PART NUMBER:		REV: 001
DESIGNED BY: -	DATE: -	SCALE: 1:1	WEIGHT: -		SHEET: 1/1

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

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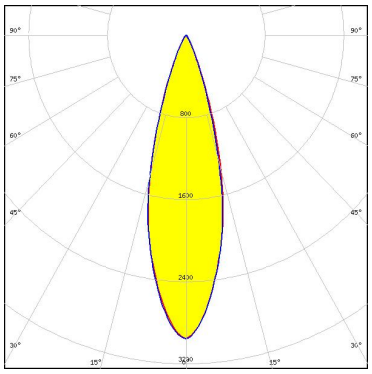
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XHP35 HD
FWHM / FWTM	29.0° / 49.0°
Efficiency	82 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

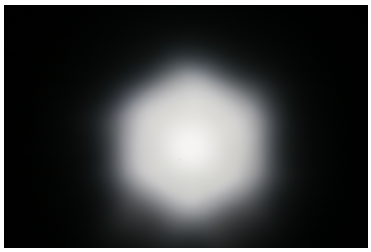




Light distribution files

CREE LEDs

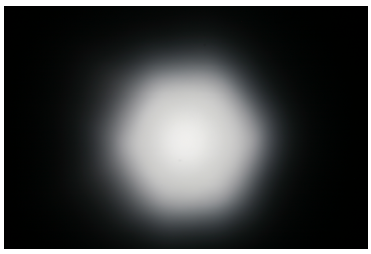
LED	XP-E
FWHM / FWTM	24.0° / 40.0°
Efficiency	88 %
Peak intensity	3.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G
FWHM / FWTM	26.0° / 43.0°
Efficiency	87 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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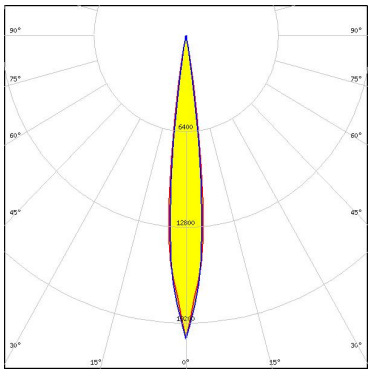
OPTICAL RESULTS (SIMULATED):

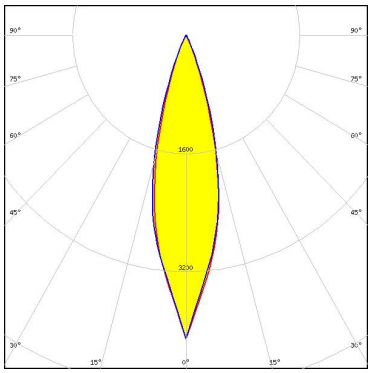
CREE LEDs

LED	XP-P
FWHM / FWTM	12.0° / 20.0°
Efficiency	87 %
Peak intensity	20.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	26.0° / 45.0°
Efficiency	89 %
Peak intensity	4.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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.

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