IRIS-M

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

SPECIFICATION:

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

MATERIALS:

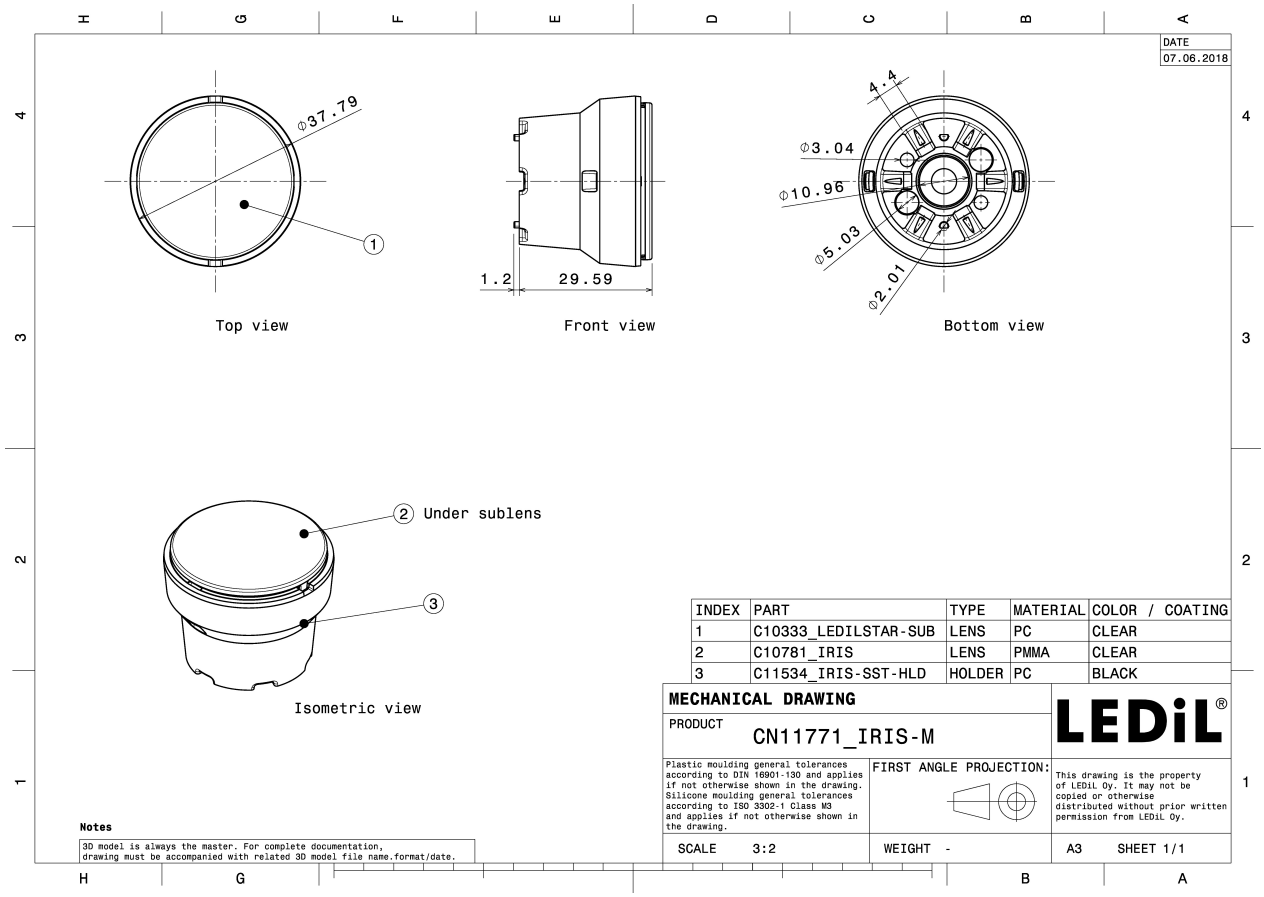
Component	Type	Material	Colour	Finish	Length (mm)
C10781_IRIS	Single lens	PMMA	clear		
C11534_IRIS-SST-HLD	Holder	PC	black		
C10333_LEDILSTAR-SUB	Sublens	PC			

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1
Sublens	1

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



INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C10333_LEDILSTAR-SUB	LENS	PC	CLEAR
2	C10781_IRIS	LENS	PMMA	CLEAR
3	C11534_IRIS-SST-HLD	HOLDER	PC	BLACK

MECHANICAL DRAWING

PRODUCT CN11771_IRIS-M

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

SCALE 3:2 | WEIGHT - | A3 SHEET 1/1

Notes

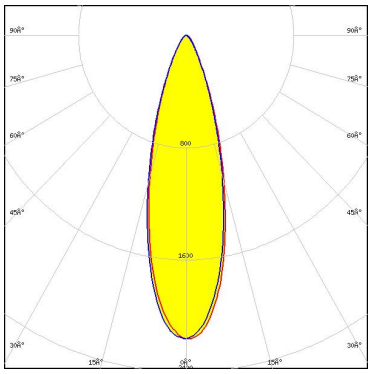
3D model is always the master. For complete documentation, drawing must be accompanied with related 3D model file name.format/date.

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

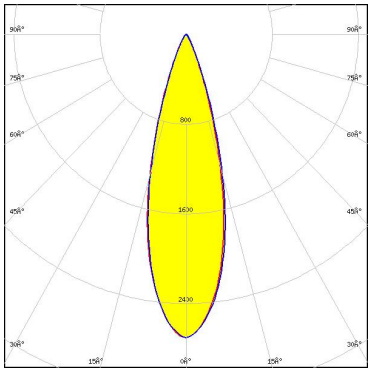
LED	MHD-E/G
FWHM / FWTM	30.0° / 59.0°
Efficiency	83 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

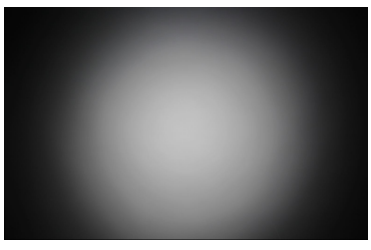
LED	XHP35 HD
FWHM / FWTM	29.0° / 50.0°
Efficiency	79 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

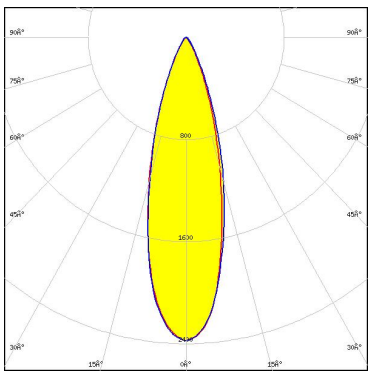


Light distribution files

CREE LEDs

LED	XHP35 HI
FWHM / FWTM	29.0° / 56.0°
Efficiency	80 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



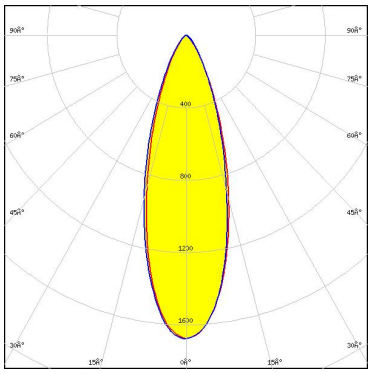


Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

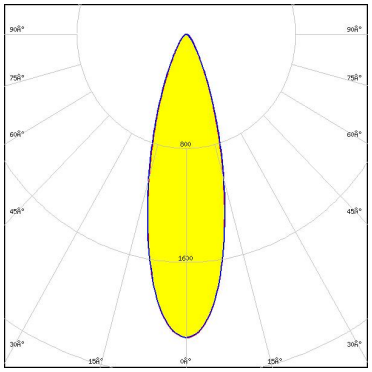
LED	XHP50.2
FWHM / FWTM	32.0° / 65.0°
Efficiency	73 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

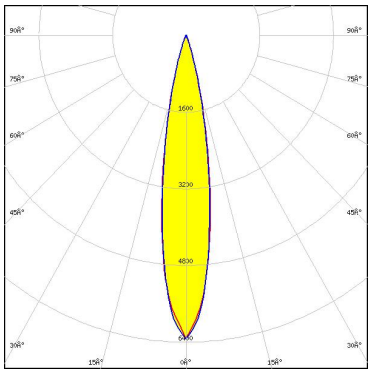
LED	XHP70
FWHM / FWTM	30.0° / 60.0°
Efficiency	83 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

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



Light distribution files

OPTICAL RESULTS (MEASURED):

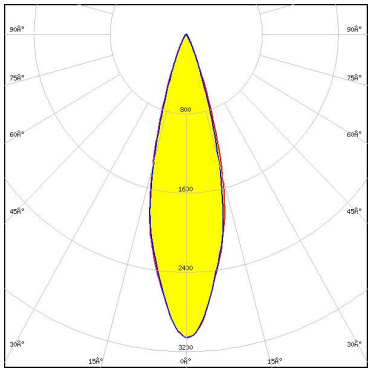
OSRAM
Opto Semiconductors

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

Light distribution files

OSRAM
Opto Semiconductors

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

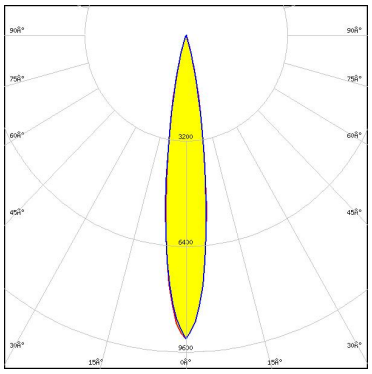


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

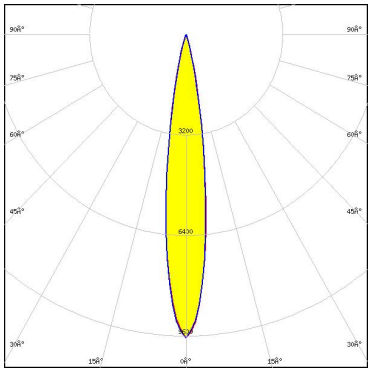
LED	J Series 5050B 6V K Class
FWHM / FWTM	16.0° / 30.0°
Efficiency	85 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

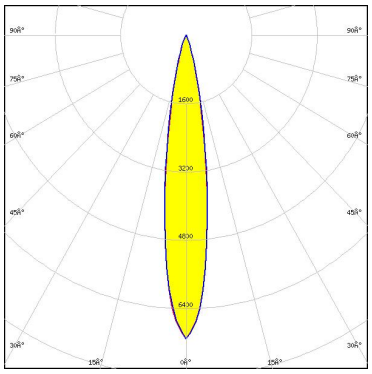
LED	J Series 5050C 6V E Class
FWHM / FWTM	16.0° / 28.0°
Efficiency	85 %
Peak intensity	9.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XHP35.2 HD
FWHM / FWTM	16.0° / 33.0°
Efficiency	82 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

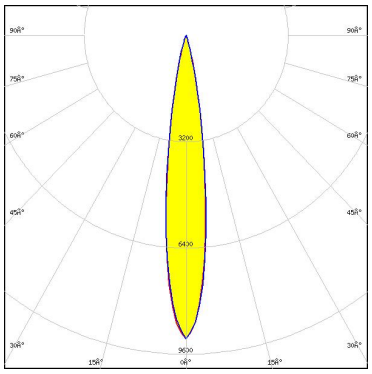


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

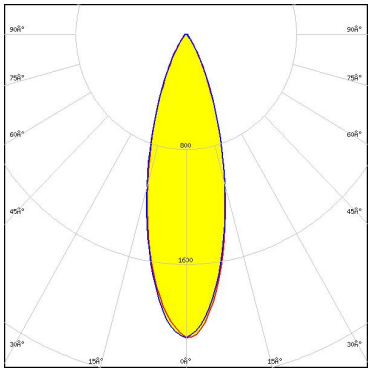
LED	XHP50.3 HD
FWHM / FWTM	16.0° / 29.0°
Efficiency	83 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

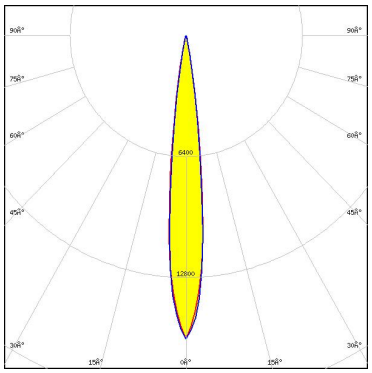
LED	XHP70.2
FWHM / FWTM	30.7° / 60.6°
Efficiency	80 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	XP-G4 HI
FWHM / FWTM	12.0° / 22.0°
Efficiency	83 %
Peak intensity	16 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

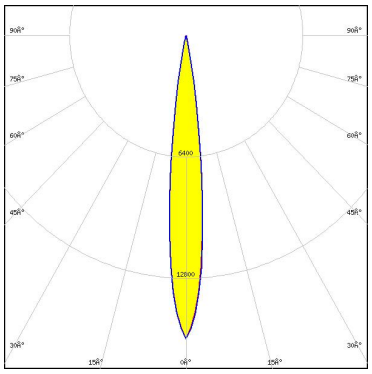


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

LED	XP-P
FWHM / FWTM	12.0° / 22.0°
Efficiency	86 %
Peak intensity	16 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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 7
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
Poznan, Poland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy