LXM-D

~14° diffused spot beam optimized for CREE XM-L. 14.8 mm high assembly with installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	14.8 mm
Fastening	tape
ROHS compliant	yes

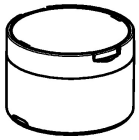
MATERIAL SPECIFICATIONS:

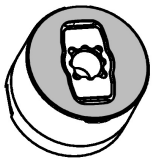
Component	Type	Material	Colour	Finish
LE1-D	Single lens	PMMA		
LXM-LH1-TAPE-BLK	Holder	PC		
LEILA-TAPE	Tape	PU tape		

ORDERING INFORMATION:

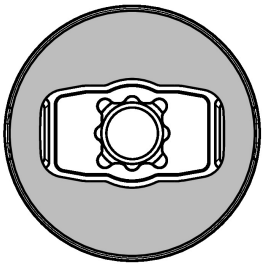
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11938_LXM-D	Single lens	2304		144	11.7
» Box size:					

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

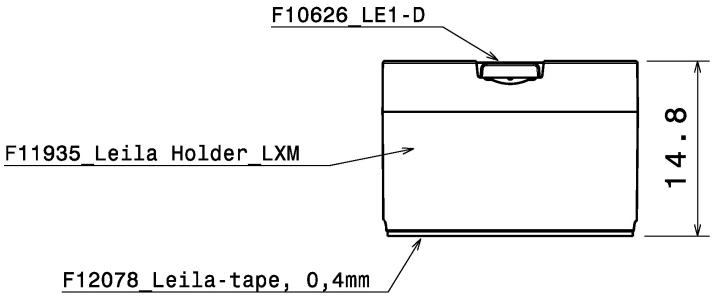




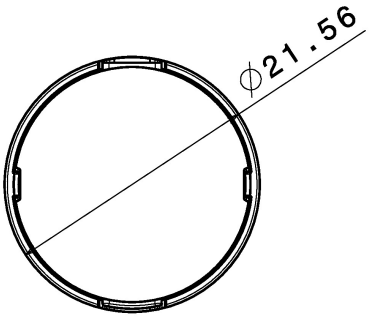
Isometric view



Bottom view



Front view



Top view

Material:

- Lens PMMA
- Holder PC, BLACK
- Tape Pu FOAM

Tolerances if not otherwise shown:
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class F, otherwise class M.

According to DIN ISO 2768-2
Form and position:
class K

Control for SPC marked dimensions.

This drawing is our property.
It can't be reproduced
or communicated without
our written agreement.

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWN BY: mav	DATE: 04.11.2011	DRAWING TITLE: Drawing LXM_D Assembly		
CHECKED BY: pv	DATE: 04.11.2011	SIZE: A4	DRAWING NUMBER: FA11938	REV: 1
DESIGNED BY: hh/mav	DATE: 30.12.2010	SCALE: 1:1	WEIGHT(g):	SHEET: 1/1

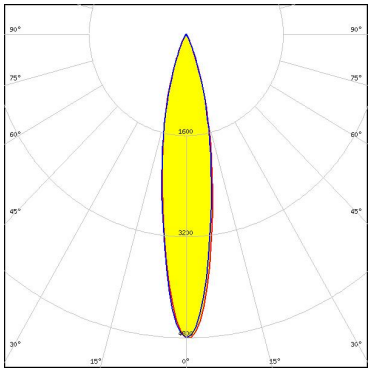
PHOTOMETRIC DATA (MEASURED):

CREE

LED	XM-L
FWHM	20.0°
Efficiency	91 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE

LED	XM-L2
FWHM	20.0°
Efficiency	90 %
Peak intensity	4.800 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

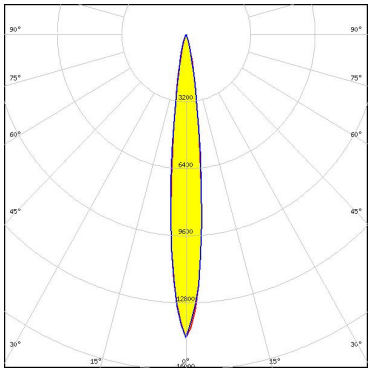


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

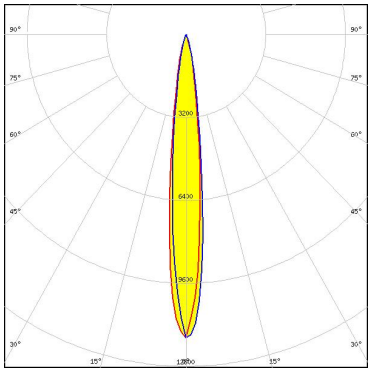
LUMILEDS

LED	LUXEON CZ
FWHM	12.0°
Efficiency	94 %
Peak intensity	14.500 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



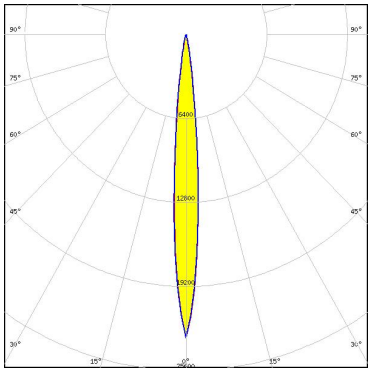
OSRAM Opto Semiconductors

LED	SFH 4170S
FWHM	12.0°
Efficiency	81 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	IR
Required components:	



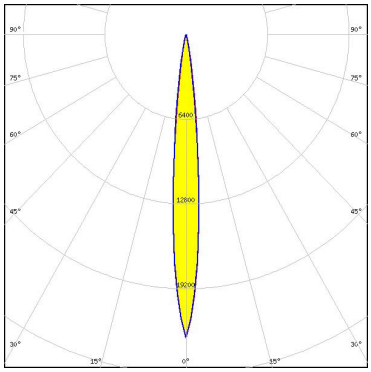
OSRAM Opto Semiconductors

LED	SFH 4715AS
FWHM	9.0°
Efficiency	94 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	IR
Required components:	



OSRAM Opto Semiconductors

LED	SFH 4725AS
FWHM	10.0°
Efficiency	94 %
Peak intensity	cd/lm
LEDs/each optic	1
Light colour	IR
Required components:	



LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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

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

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Ledil:
FA11938_LXM-D