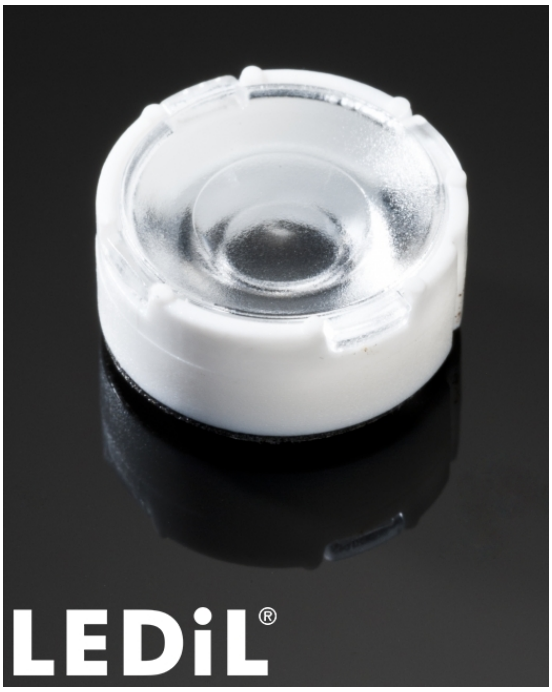
TINA3-WWW

~70° wide beam optimized for CREE XP-E. Assembly with holder, installation tape and location pins.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	7 mm
Fastening	tape, pin
ROHS compliant	yes

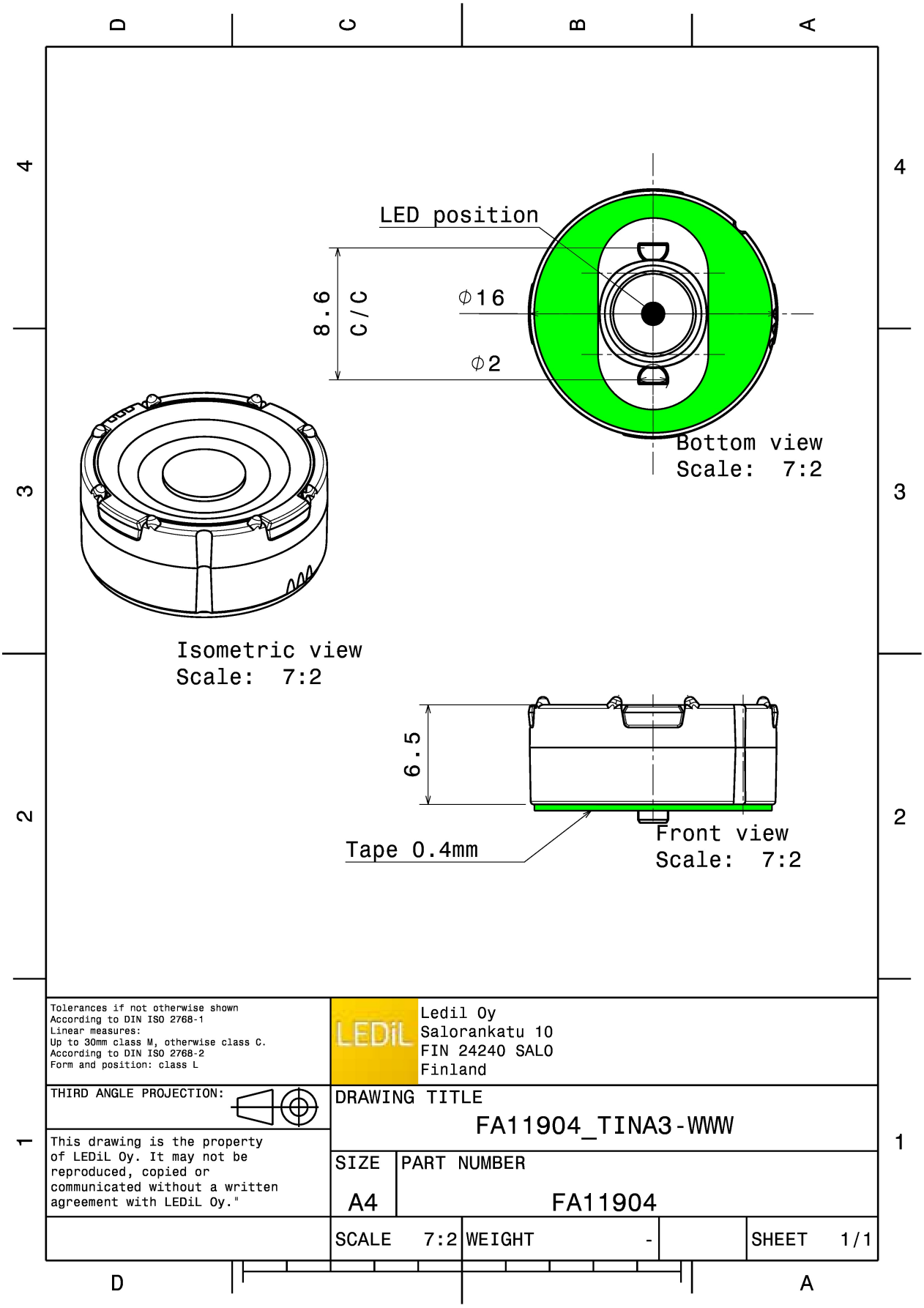
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA3-WWW	Single lens	PMMA	clear	
TINA3-HLD-PIN-TAPE-XP	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11904_TINA3-WWW	Single lens	2016	288	288	3.0
» Box size:					

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



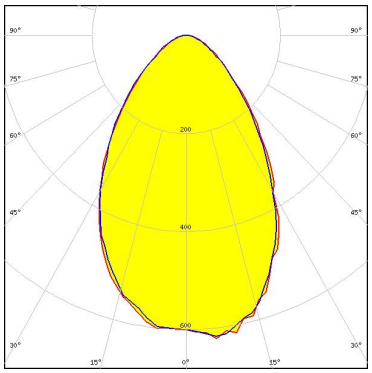
See also our general installation guide: www.ledil.com/installation_guide

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

PHOTOMETRIC DATA (MEASURED):

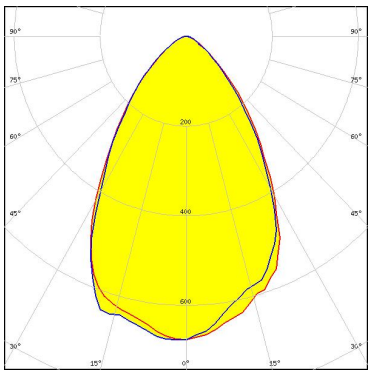
CREE LED

LED	XM-L
FWHM / FWTM	70.0° / 122.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



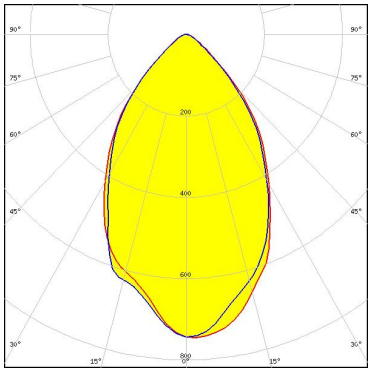
CREE LED

LED	XM-L2
FWHM / FWTM	71.0° / 110.0°
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



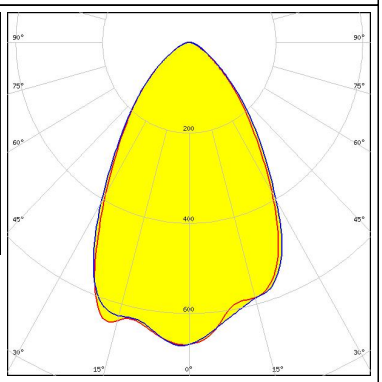
CREE LED

LED	XP-G2
FWHM / FWTM	67.0° / 107.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XP-L HD
FWHM / FWTM	65.0° / 112.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

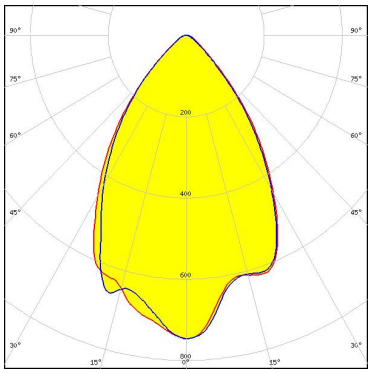


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

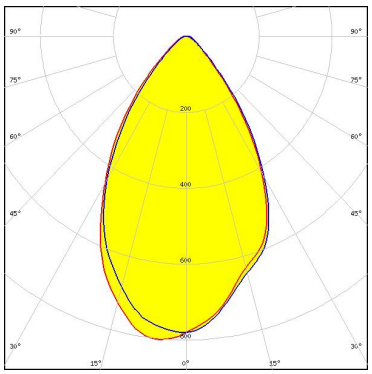
CREE LED

LED	XP-L HI
FWHM / FWTM	67.0° / 101.0°
Efficiency	90 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



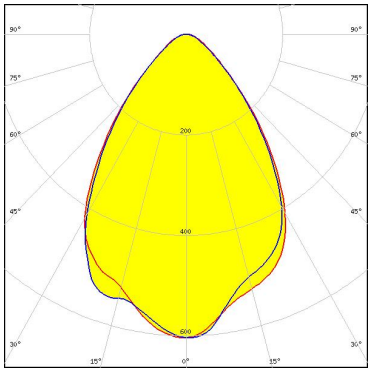
CREE LED

LED	XT-E
FWHM / FWTM	60.0° / 110.0°
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



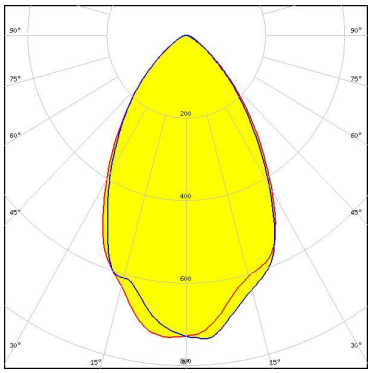
NICHIA

LED	NS9x383
FWHM / FWTM	72.0° / 114.0°
Efficiency	87 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSW219F
FWHM / FWTM	64.0° / 107.0°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



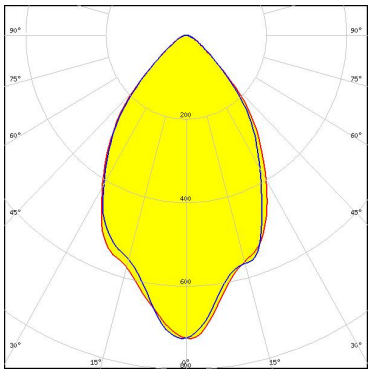
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	65.0° / 106.0°
Efficiency	89 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

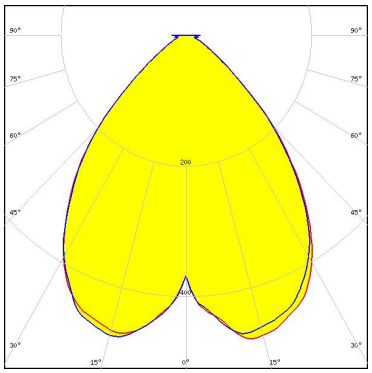


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

PHOTOMETRIC DATA (SIMULATED):

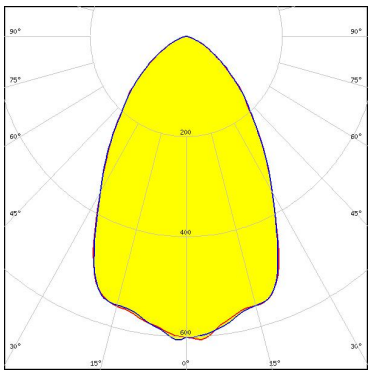
CREE LED

LED	XD16
FWHM / FWTM	77.0° / 116.0°
Efficiency	87 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour	White
Required components:	



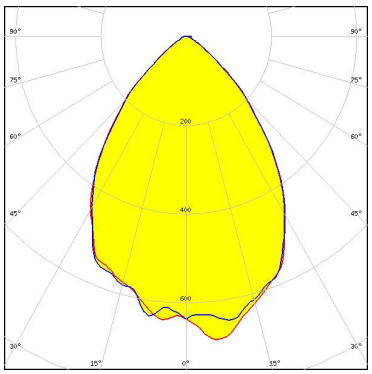
CREE LED

LED	XHP35 HD
FWHM / FWTM	67.0° / 120.0°
Efficiency	84 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



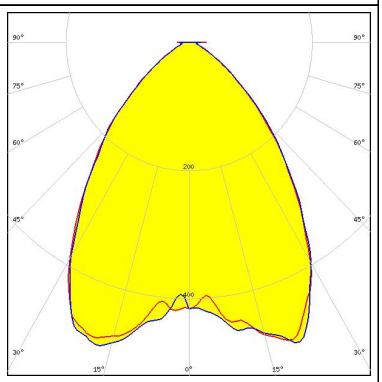
CREE LED

LED	XHP35 HI
FWHM / FWTM	75.0° / 109.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XHP35.2
FWHM / FWTM	79.0° / 120.0°
Efficiency	86 %
Peak intensity	0.5 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.

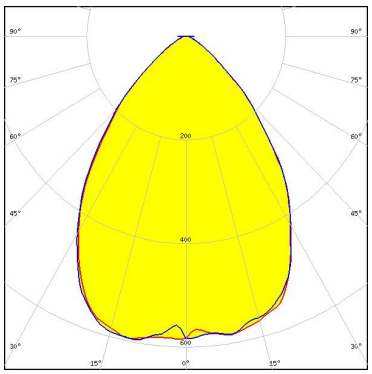
PHOTOMETRIC DATA (SIMULATED):

CREE LED

LED	XM-L HVW
FWHM / FWTM	80.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

CREE LED

LED	XP-G3
FWHM / FWTM	76.0° / 113.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSW3x9A
FWHM / FWTM	79.0° / 117.0°
Efficiency	92 %
Peak intensity	0.6 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.

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

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