TINA-O

~35° x 15° oval beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-XP-O	Single lens	PMMA	clear	
TINA-HLD-PIN-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11204_TINA-O	Single lens	2016	288	144	4.1
» Box size:					

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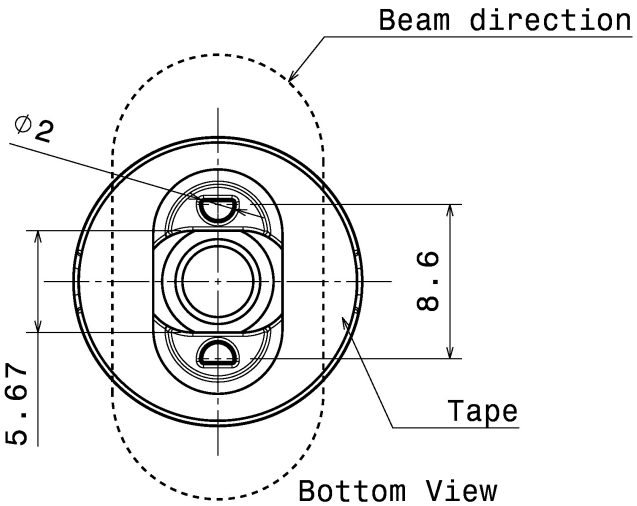
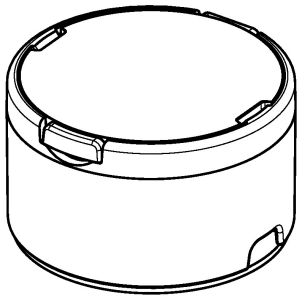
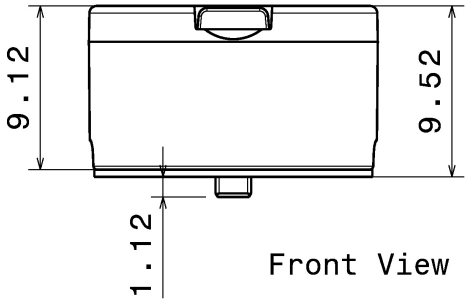
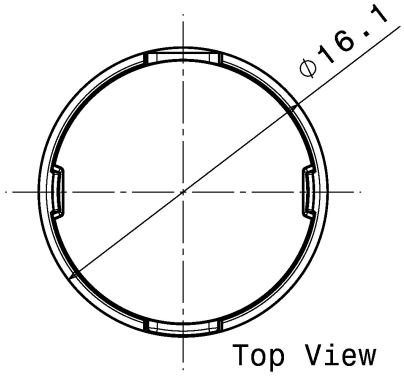
DATE
15.11.2021









PART	TYPE	MATERIAL	COLOR / COATING
F11197_TINA-XP-O	LENS	PMMA	Clear
F11011_TINA-HLD-PIN-BLK	HOLDER	PC	Black
F11840_TINA-TAPE3	TAPE		

MECHANICAL DRAWING

PRODUCT TINA

LEDiL

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:

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SCALE 1:1 | WEIGHT 1,7g | A4 SHEET 1/1

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

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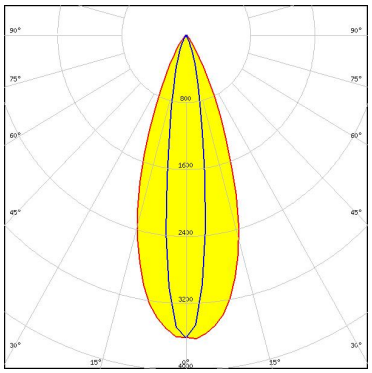
PHOTOMETRIC DATA (MEASURED):

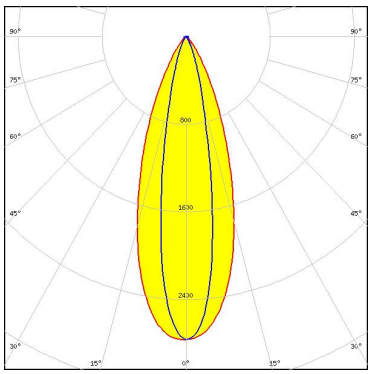
CREE LED

LED	XB-H
FWHM / FWTM	38.0 + 16.0° / 63.0 + 37.0°
Efficiency	83 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



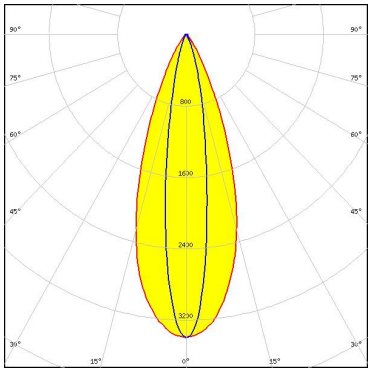
NICHIA

LED	NVSW3x9A
FWHM / FWTM	37.0 + 20.0° / 67.0 + 41.0°
Efficiency	82 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



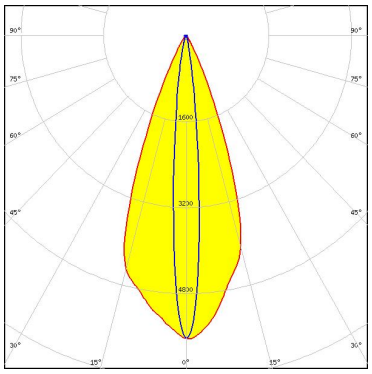
OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM / FWTM	38.0 + 16.0° / 64.0 + 37.0°
Efficiency	86 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Black Flat
FWHM / FWTM	40.0 + 10.0° / 57.0 + 22.0°
Efficiency	86 %
Peak intensity	5.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	32.0 + 14.0° / 58.0 + 30.0°
Efficiency	91 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

OSRAM
Opto Semiconductors

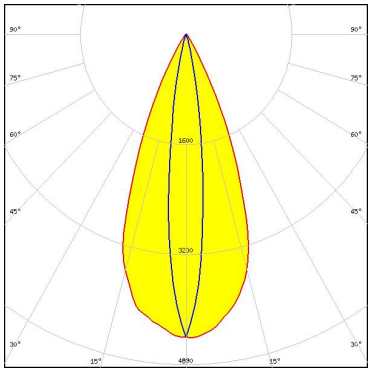
LED	OSLON SSL 80
FWHM / FWTM	34.0 + 12.0° / 56.0 + 32.0°
Efficiency	80 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	40.0 + 16.0° / 31.0 + 60.0°
Efficiency	0 %
LEDs/each optic	1
Light colour	White

Required components:



OSRAM
Opto Semiconductors

LED	SFH 4725S
FWHM / FWTM	39.0 + 15.0° / 62.0 + 32.0°
Efficiency	%
LEDs/each optic	1
Light colour	White

Required components:

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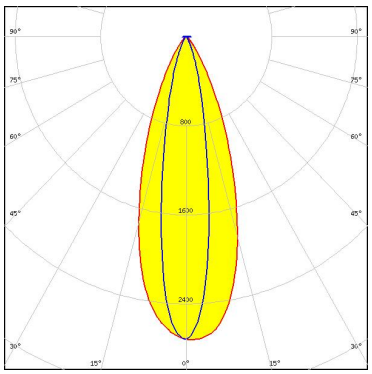
PHOTOMETRIC DATA (MEASURED):

SAMSUNG

LED	LH351A
FWHM / FWTM	34.0 + 16.0° / 62.0 + 39.0°
Efficiency	90 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	37.0 + 18.0° / 66.0 + 41.0°
Efficiency	79 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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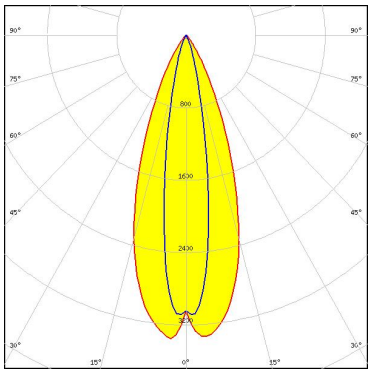
PHOTOMETRIC DATA (SIMULATED):

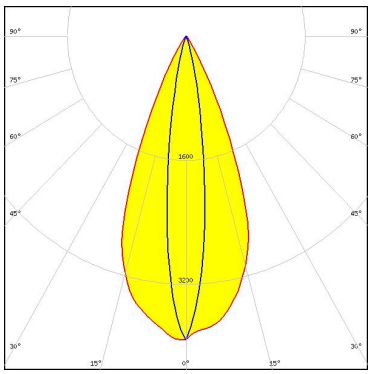
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	38.0 + 17.0°
Efficiency	85 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



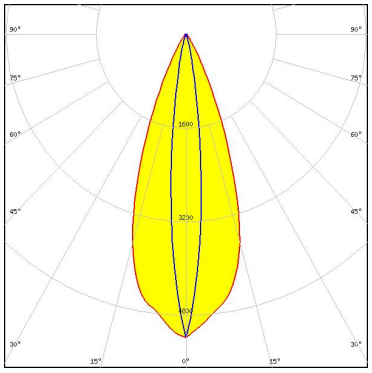
OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	44.0 + 15.0° / 62.0 + 30.0°
Efficiency	89 %
LEDs/each optic	1
Light colour	White
Required components:	



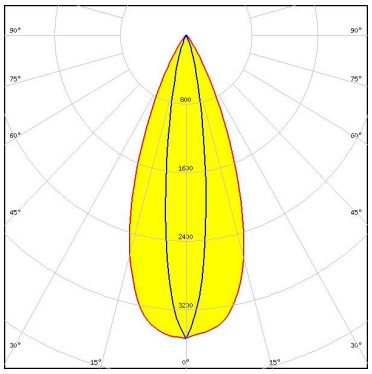
OSRAM
Opto Semiconductors

LED	SYNIOS S2222 (KW DDLM31)
FWHM / FWTM	38.0 + 12.0° / 61.0 + 26.0°
Efficiency	96 %
Peak intensity	5.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM302D
FWHM / FWTM	41.0 + 16.0° / 64.0 + 34.0°
Efficiency	88 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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.

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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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