TINA-M

~30° medium beam optimized for Nichia NS6x83.
Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	11.1 mm
Fastening	tape
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA-N83-M	Single lens	PMMA	clear	
TINA-N83-H-TAPE-WHT	Holder	PC	white	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA10647_TINA-M	Single lens	2016	288	144	6.0
» Box size:					

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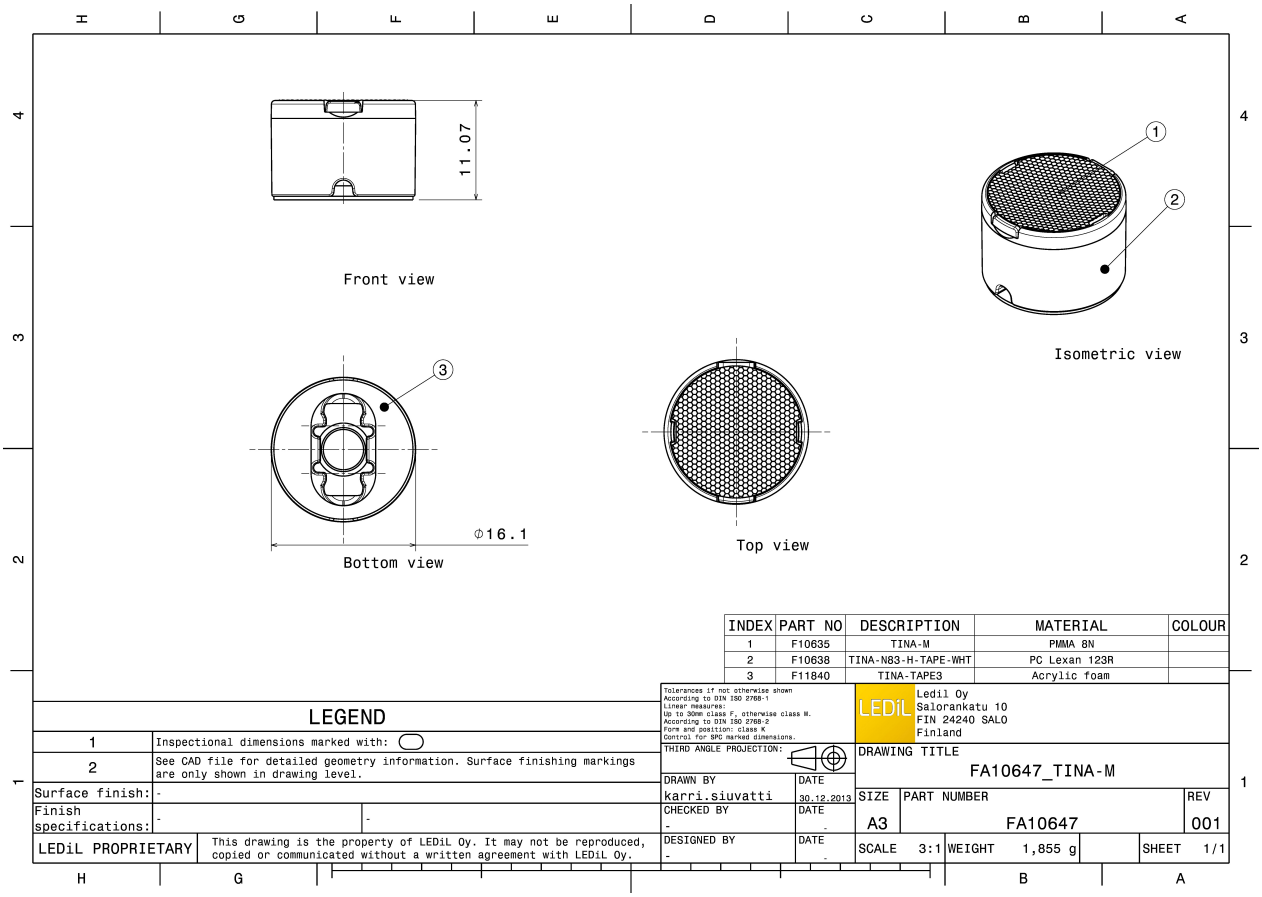

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F10635	TINA-M	PMMA 8N	
2	F10638	TINA-N83-H-TAPE-WHT	PC Lexan 123R	
3	F11840	TINA-TAPE3	Acrylic foam	

LEGEND	
1	Inspectional dimensions marked with:
2	See CAD file for detailed geometry information. Surface finishing markings are only shown in drawing level.
Surface finish:	-
Finish specifications:	- -
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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.

THIRD ANGLE PROJECTION:

DRAWN BY karri.siuvatti	DATE 30.12.2013	SIZE A3	PART NUMBER FA10647	REV 001
CHECKED BY -	DATE -			
DESIGNED BY -	DATE -	SCALE 3:1	WEIGHT 1,855 g	SHEET 1/1

LEDiL Ledil Oy
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FIN 24240 SALO
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DRAWING TITLE
FA10647_TINA-M

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

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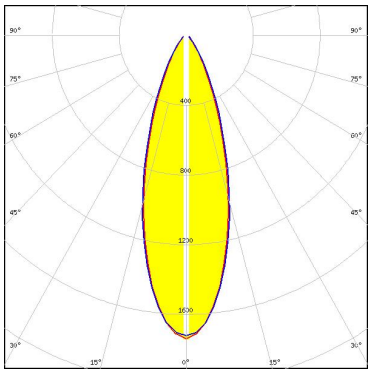
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	MX-6
FWHM / FWTM	33.0° / 68.0°
Efficiency	87 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NS6x83
FWHM / FWTM	32.0° / 68.0°
Efficiency	87 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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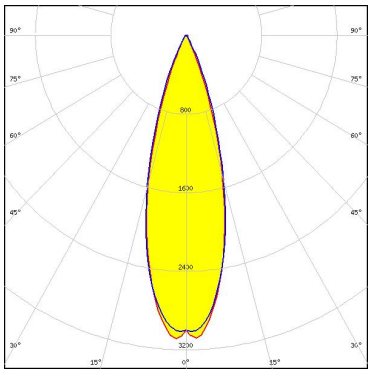
PHOTOMETRIC DATA (SIMULATED):

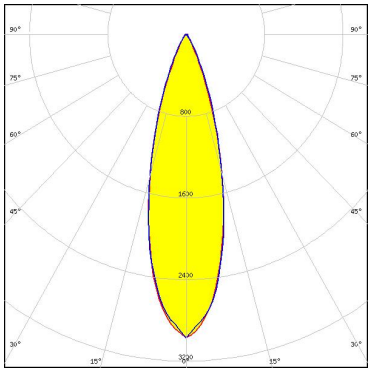
CREE LED

LED	XP-E2
FWHM / FWTM	30.0° / 52.0°
Efficiency	92 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



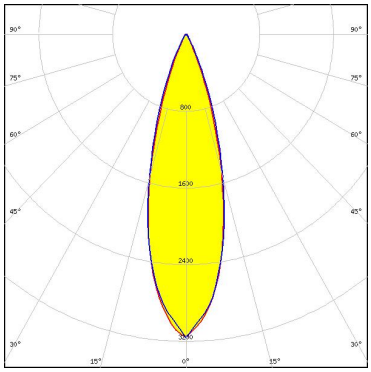
CREE LED

LED	XP-L HI
FWHM / FWTM	29.0° / 53.0°
Efficiency	92 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

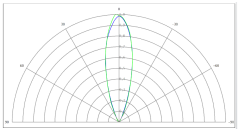


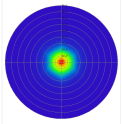
OSRAM Opto Semiconductors

LED	KW CULPM1.TG
FWHM / FWTM	29.0° / 51.0°
Efficiency	92 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

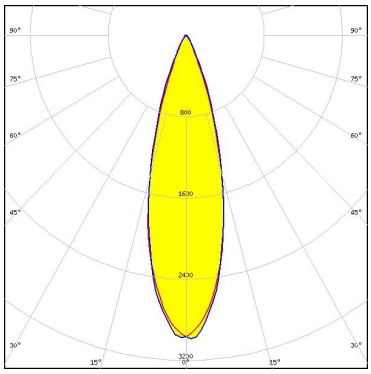


OSRAM Opto Semiconductors





LED	SFH 4715AS
FWHM / FWTM	28.0° / 52.0°
Efficiency	91 %
LEDs/each optic	1
Light colour	IR
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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