

TINA-W

~50° wide beam. Assembly with holder, installation tape and location pins.

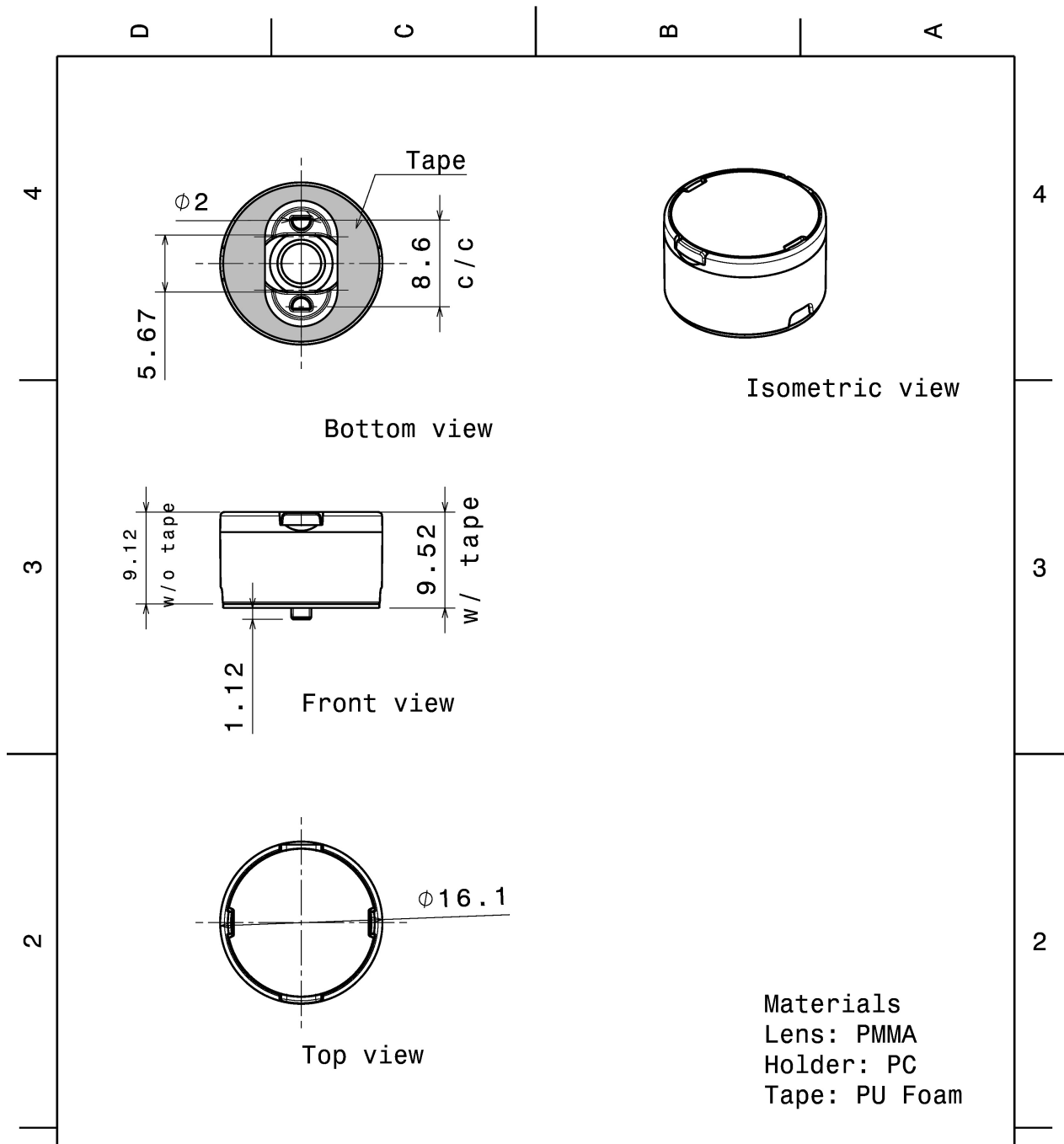
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
Colour	black
Box size	
Box weight	4 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA-XP-W	Single lens	PMMA	clear
TINA-HLD-PIN-BLK	Holder	PC	
TINA-TAPE3	Tape	PU tape	



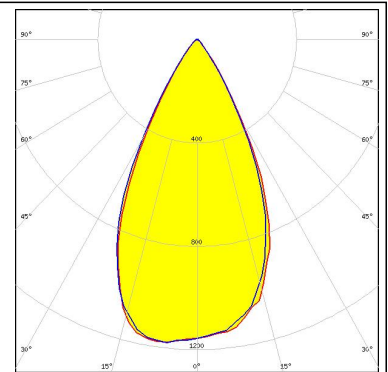
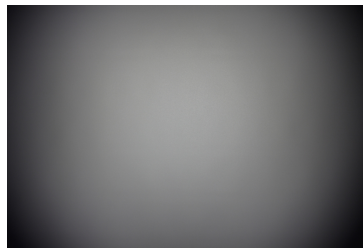
Materials
 Lens: PMMA
 Holder: PC
 Tape: PU Foam

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DRAWING TITLE		Mechanical Drawing	
DRAWN BY	DATE	TINA-OSL	
as	10.9.2012		
CHECKED BY	DATE	SIZE	PART NUMBER
sn	-	A4	TINA-OSL
DESIGNED BY	DATE	SCALE	WEIGHT
-	-	2:1	1,47 g
		SHEET	1/1

PHOTOMETRIC DATA (MEASURED):

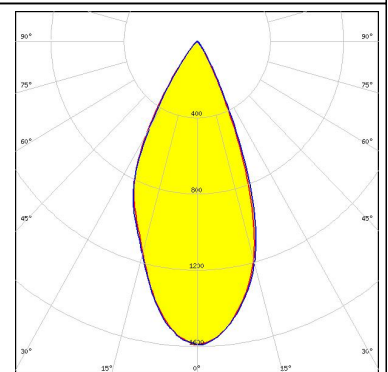
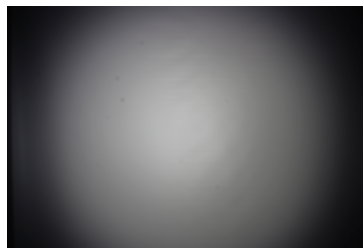
CREE 

LED XB-H
 FWHM 53.0°
 Efficiency 87 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



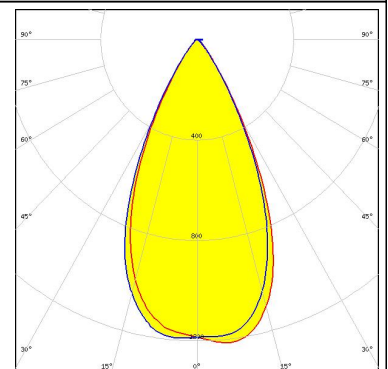
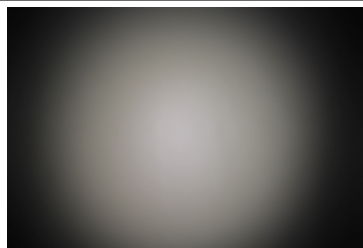
CREE 

LED XP-E
 FWHM 46.0°
 Efficiency 90 %
 Peak intensity 1.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



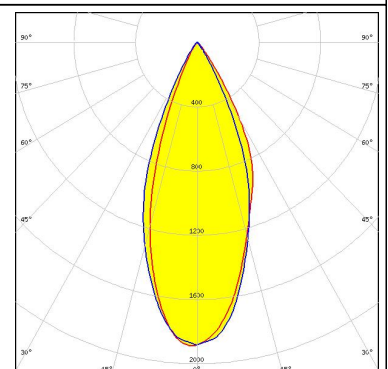
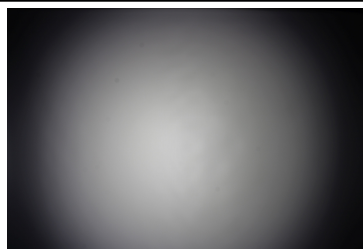
NICHIA 

LED NVSW3x9A
 FWHM 50.0°
 Efficiency 85 %
 Peak intensity 1.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM
Opto Semiconductors

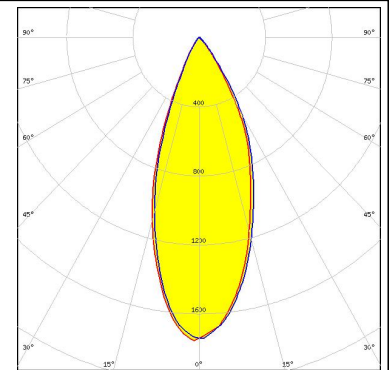
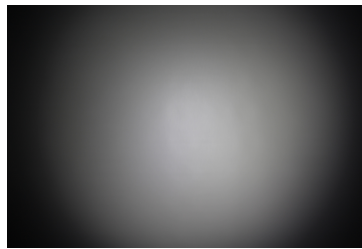
LED OSOLON SSL 150
 FWHM 41.0°
 Efficiency 90 %
 Peak intensity 1.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED OSLON SSL 80
FWHM 39.0°
Efficiency 87 %
Peak intensity 1.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM Opto Semiconductors

LED SFH 4715S
FWHM 32.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

OSRAM Opto Semiconductors

LED SFH 4725S
FWHM 34.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

SAMSUNG

LED LH351A
FWHM 54.0°
Efficiency 91 %
Peak intensity 0.790 cd/lm
LEDs/each optic 1
Light colour White
Required components:

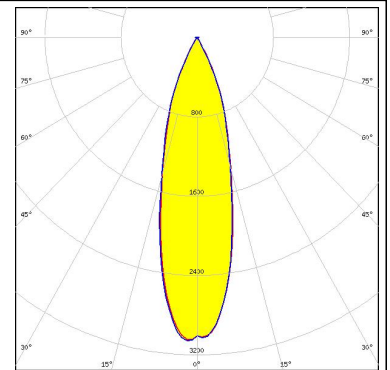
PHOTOMETRIC DATA (MEASURED):



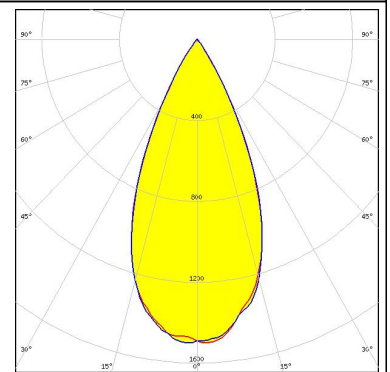
PHOTOMETRIC DATA (SIMULATED):



LED NCSxE17A
FWHM 28.0°
Efficiency 90 %
Peak intensity 3.106 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSxx19B/NVSxx19C
FWHM 47.0°
Efficiency 88 %
Peak intensity 1.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:

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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](http://www.ledil.com/where_to_buy)

Shipping locations

Salo, Finland
Hong Kong, China

Distribution Partners

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