

TINA-O

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

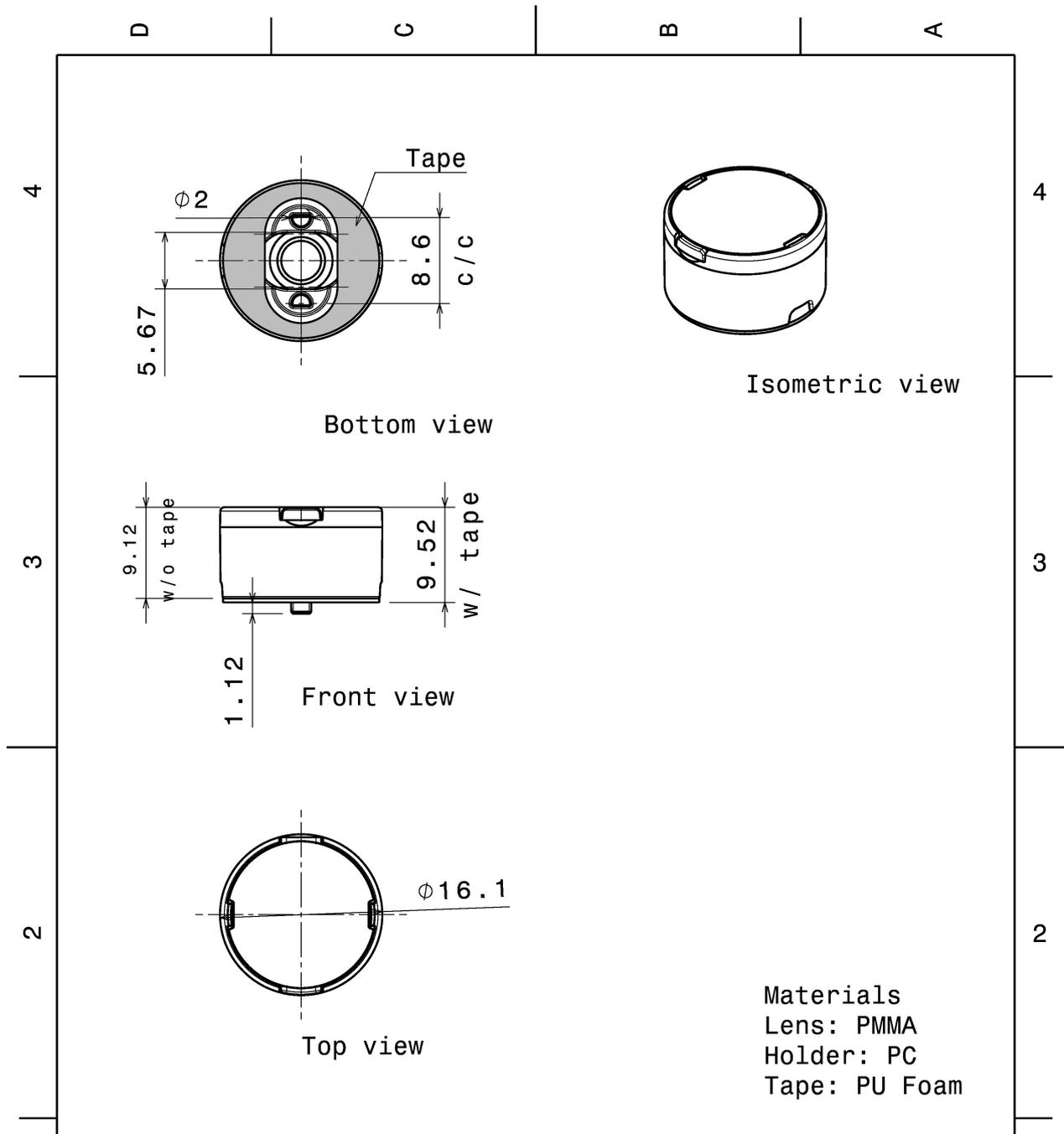
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
Colour	black
Box size	
Box weight	4.1 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

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



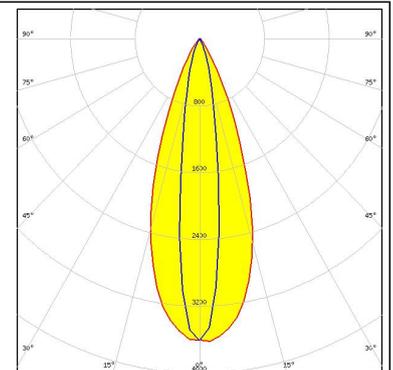
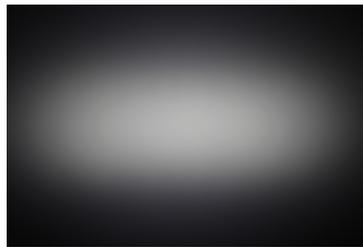
Materials
Lens: PMMA
Holder: PC
Tape: PU Foam

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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

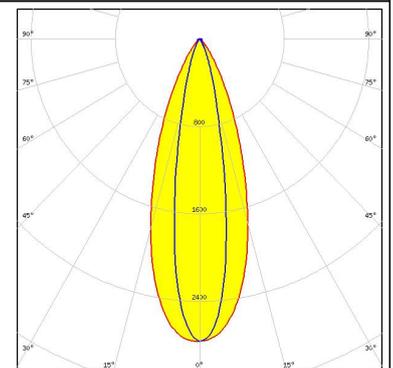
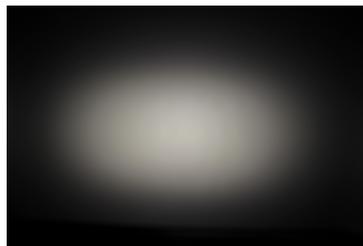
PHOTOMETRIC DATA (MEASURED):



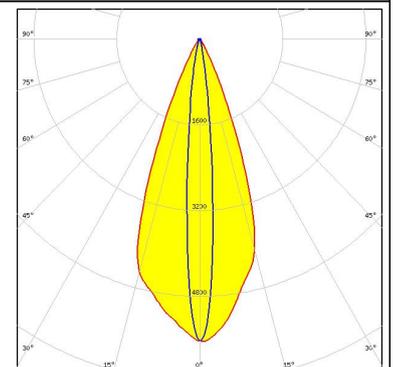
LED XB-H
 FWHM 38.0 + 16.0°
 Efficiency 83 %
 Peak intensity 3.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM 37.0 + 20.0°
 Efficiency 82 %
 Peak intensity 2.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Oslon Black Flat
 FWHM 40.0 + 10.0°
 Efficiency 86 %
 Peak intensity 5.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED Oslon SSL 150
 FWHM 32.0 + 14.0°
 Efficiency 91 %
 Peak intensity 3.330 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM

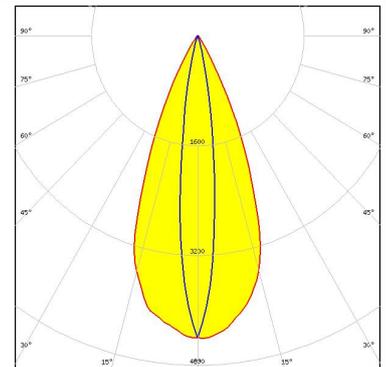
Opto Semiconductors

LED Oslon SSL 80
FWHM 34.0 + 12.0°
Efficiency 80 %
Peak intensity 3.800 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OSRAM

Opto Semiconductors

LED SFH 4715S
FWHM 40.0 + 16.0°
Efficiency 0 %
Peak intensity 0.000 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED SFH 4725S
FWHM 39.0 + 15.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

SAMSUNG

LED LH351A
FWHM 34.0 + 16.0°
Efficiency 90 %
Peak intensity 2.460 cd/lm
LEDs/each optic 1
Light colour White
Required components:

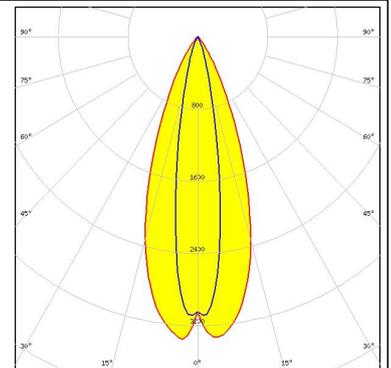
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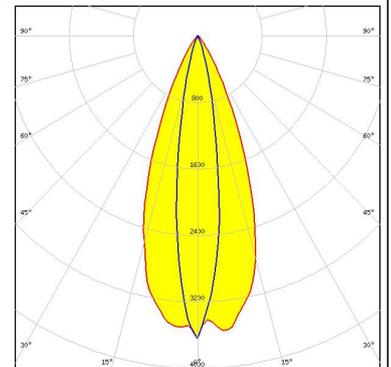
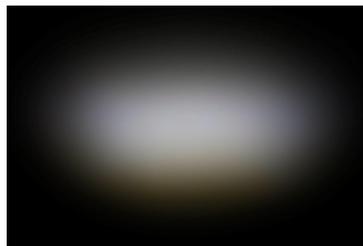
PHOTOMETRIC DATA (SIMULATED):



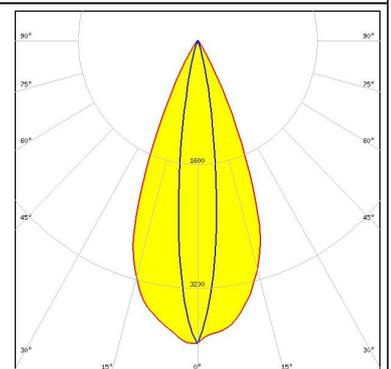
LED NVSxx19B/NVSxx19C
FWHM 38.0 + 17.0°
Efficiency 85 %
Peak intensity 3.500 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S5 (2 chip)
FWHM 40.0 + 17.0°
Efficiency 90 %
Peak intensity 3.640 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED SFH 4715AS
FWHM 44.0 + 15.0°
Efficiency 89 %
Peak intensity 0.000 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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