

TINA-M

~30° medium beam. Assembly with holder, installation tape and location pins.

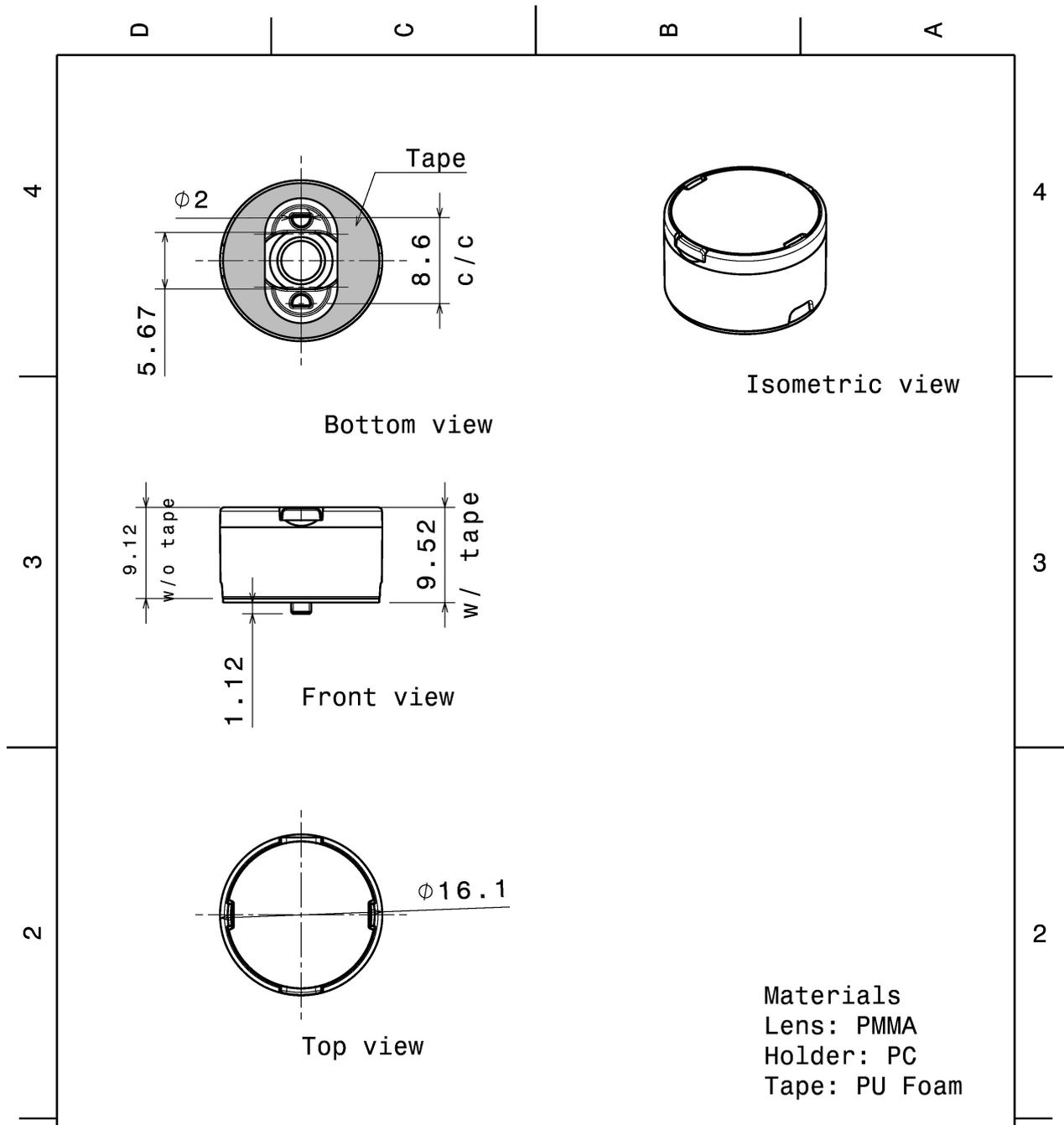
TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

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



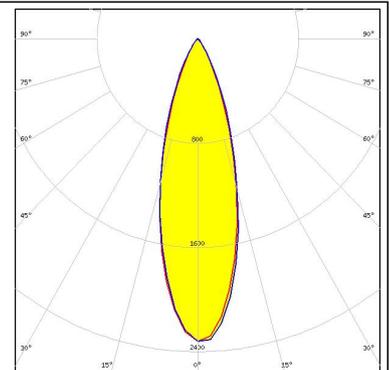
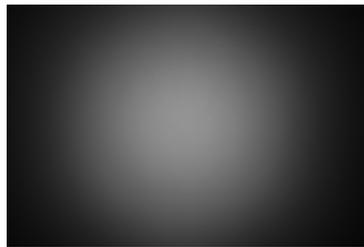
Materials
 Lens: PMMA
 Holder: PC
 Tape: PU Foam

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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

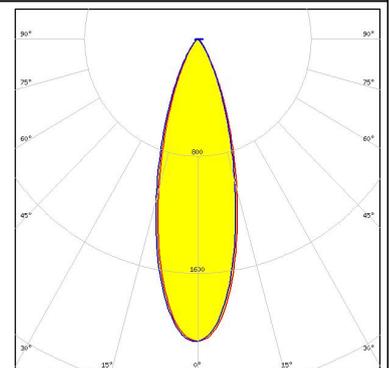
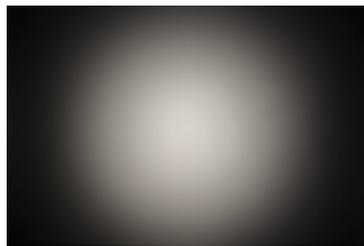
PHOTOMETRIC DATA (MEASURED):



LED XB-H
FWHM 31.0°
Efficiency 80 %
Peak intensity 2.300 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW3x9A
FWHM 31.0°
Efficiency 78 %
Peak intensity 2.100 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Osram Opto Semiconductors

LED Oslon SSL 150
FWHM 30.0°
Efficiency 85 %
Peak intensity 1.970 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Osram Opto Semiconductors

LED Oslon SSL 80
FWHM 24.0°
Efficiency 83 %
Peak intensity 2.290 cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED SFH 4715S
FWHM 28.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

OSRAM Opto Semiconductors

LED SFH 4725S
FWHM 27.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

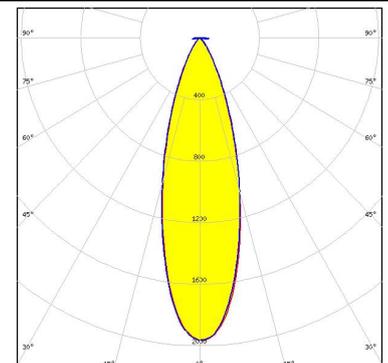
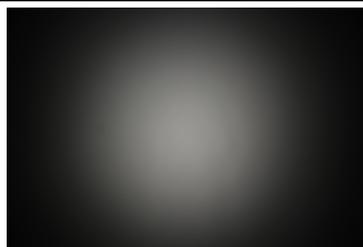
SAMSUNG

LED LH351A
FWHM 32.0°
Efficiency 91 %
Peak intensity 1.480 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

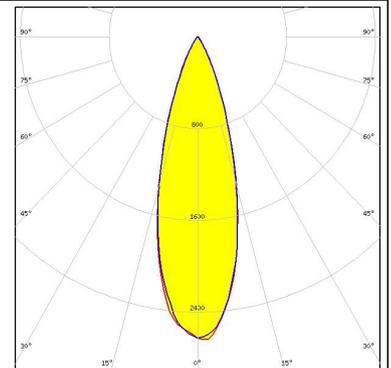
LED Z8Y22P
FWHM 30.0°
Efficiency 75 %
Peak intensity 1.970 cd/lm
LEDs/each optic 1
Light colour White
Required components:



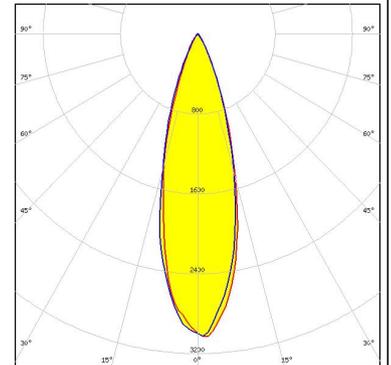
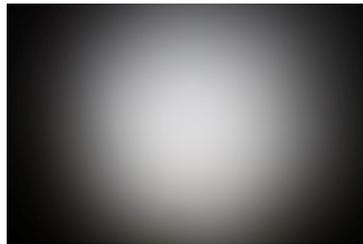
PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19B/NVSxx19C
FWHM 30.0°
Efficiency 86 %
Peak intensity 2.700 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S5 (2 chip)
FWHM 29.0°
Efficiency 90 %
Peak intensity 3.030 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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