

TINA-D

~16° diffused spot 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 ⓘ

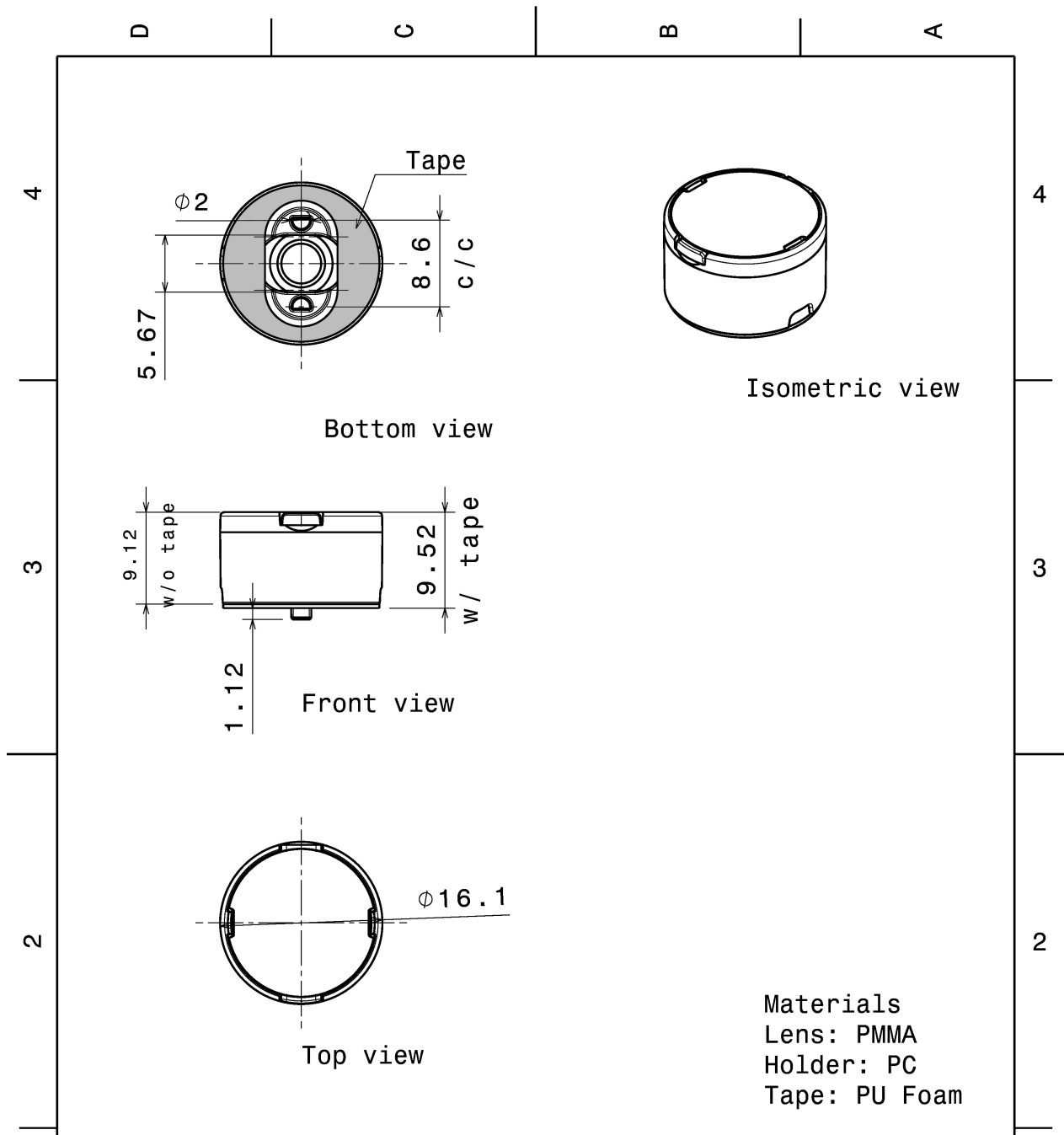
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11205_TINA-D	Single lens	2016	288	144	4.1
» Box size:					



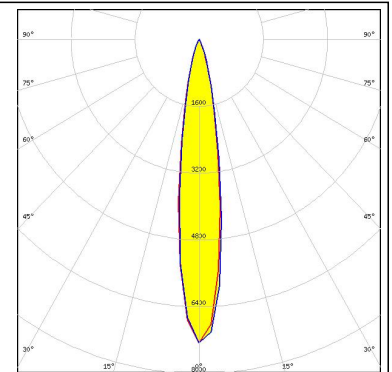
Materials
 Lens: PMMA
 Holder: PC
 Tape: PU Foam

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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

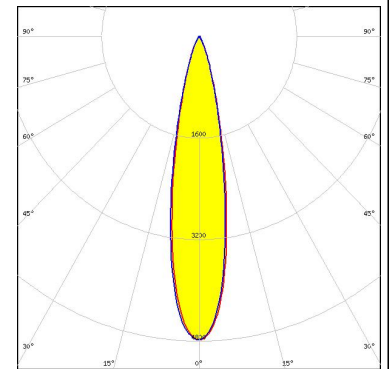
PHOTOMETRIC DATA (MEASURED):



LED XB-H
 FWHM 17.0°
 Efficiency 87 %
 Peak intensity 7.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM 21.0°
 Efficiency 87 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Opto Semiconductors

LED OSOLON SSL 150
 FWHM 14.0°
 Efficiency 89 %
 Peak intensity 6.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Opto Semiconductors

LED OSOLON SSL 80
 FWHM 12.0°
 Efficiency 89 %
 Peak intensity 10.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM Opto Semiconductors

LED SFH 4715S
FWHM 18.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM Opto Semiconductors

LED SFH 4725S
FWHM 18.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

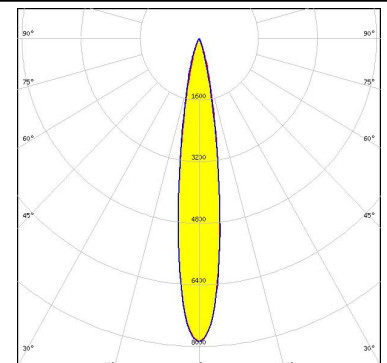
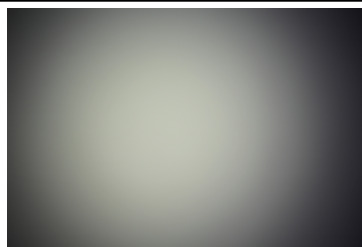
SAMSUNG

LED LH351A
FWHM 18.0°
Efficiency 93 %
Peak intensity 4.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

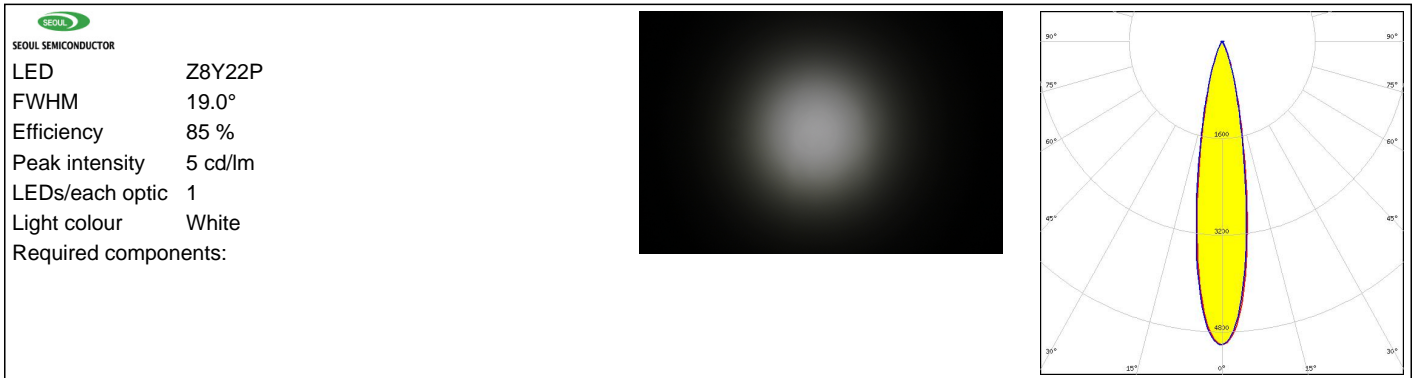


SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM 16.0°
Efficiency 90 %
Peak intensity 7.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



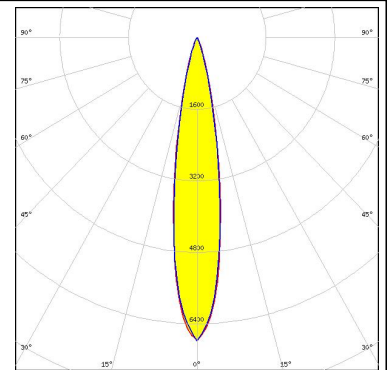
PHOTOMETRIC DATA (MEASURED):



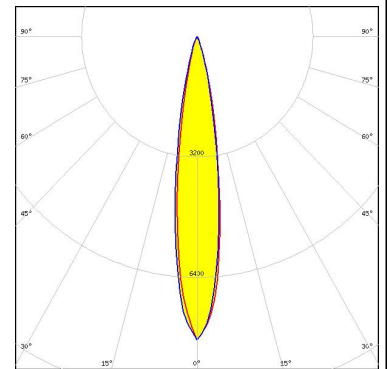
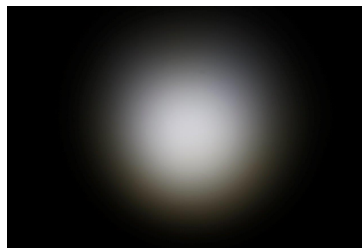
PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19B/NVSxx19C
FWHM 18.0°
Efficiency 88 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris S5 (2 chip)
FWHM 17.0°
Efficiency 92 %
Peak intensity 8.1 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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