

TINA-RS

~13° 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 ⓘ

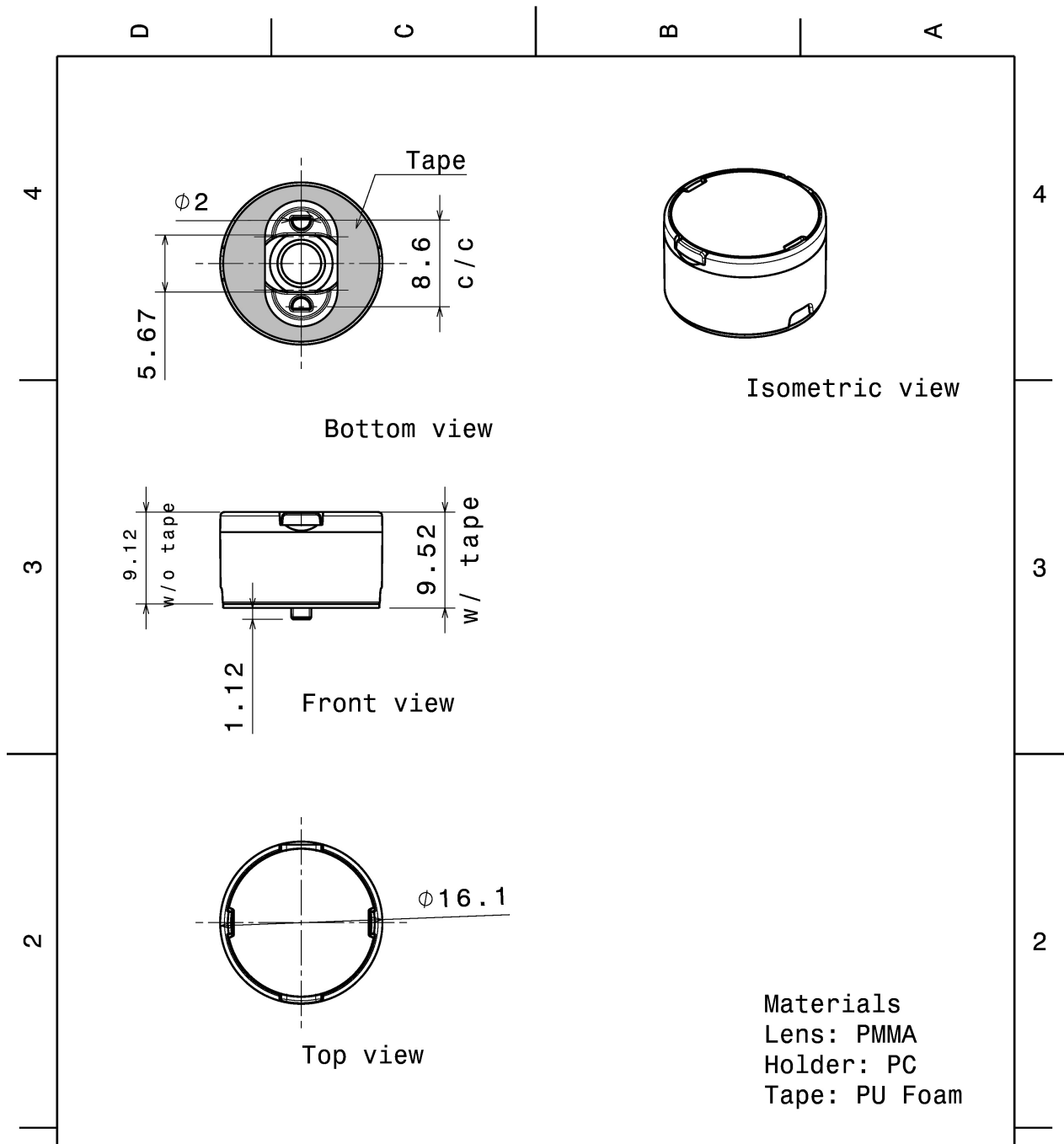
MATERIAL SPECIFICATIONS:

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



ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FA11208_TINA-RS	Single lens	2016	288	144	4.1
» Box size: 470 x 240 x 105 mm					



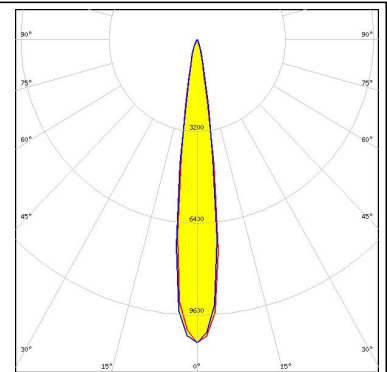
Materials
 Lens: PMMA
 Holder: PC
 Tape: PU Foam

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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

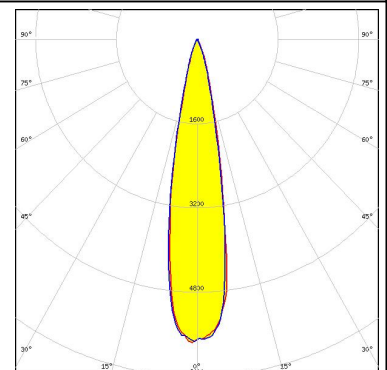
PHOTOMETRIC DATA (MEASURED):



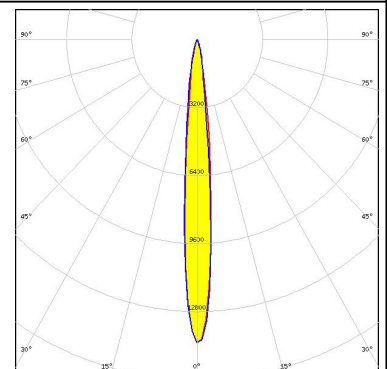
LED XB-H
 FWHM 15.0°
 Efficiency 88 %
 Peak intensity 10.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW3x9A
 FWHM 20.0°
 Efficiency 88 %
 Peak intensity 5.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSOLON SSL 80
 FWHM 11.0°
 Efficiency 90 %
 Peak intensity 14.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED SFH 4715S
 FWHM 15.0°
 Efficiency %
 Peak intensity cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED SFH 4725S
FWHM 10.0°
Efficiency %
Peak intensity cd/lm
LEDs/each optic 1
Light colour White
Required components:

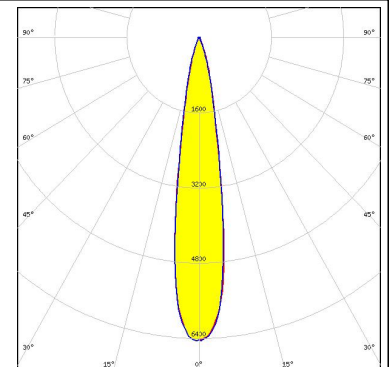
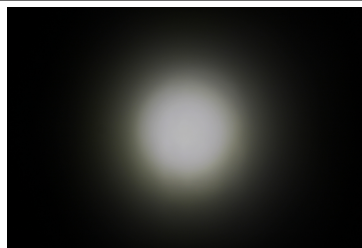
SAMSUNG

LED LH351A
FWHM 14.0°
Efficiency 93 %
Peak intensity 7.810 cd/lm
LEDs/each optic 1
Light colour White
Required components:


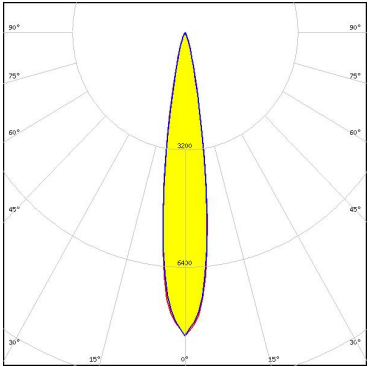

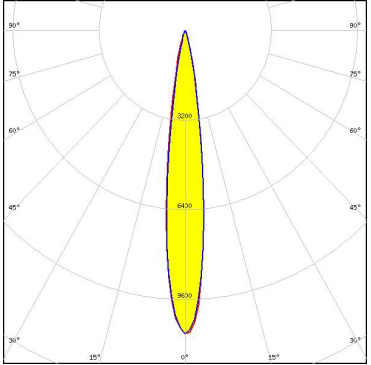


SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 17.0°
Efficiency 85 %
Peak intensity 6.400 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

 LED NVSxx19B/NVSxx19C FWHM 16.0° Efficiency 88 % Peak intensity 8.200 cd/lm LEDs/each optic 1 Light colour White Required components:	
 LED OSOLON Square CSSRM2/CSSRM3 FWHM 14.0° Efficiency 92 % Peak intensity 10.900 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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