

TINA-RS

~13° spot beam. Assembly with holder and installation tape.

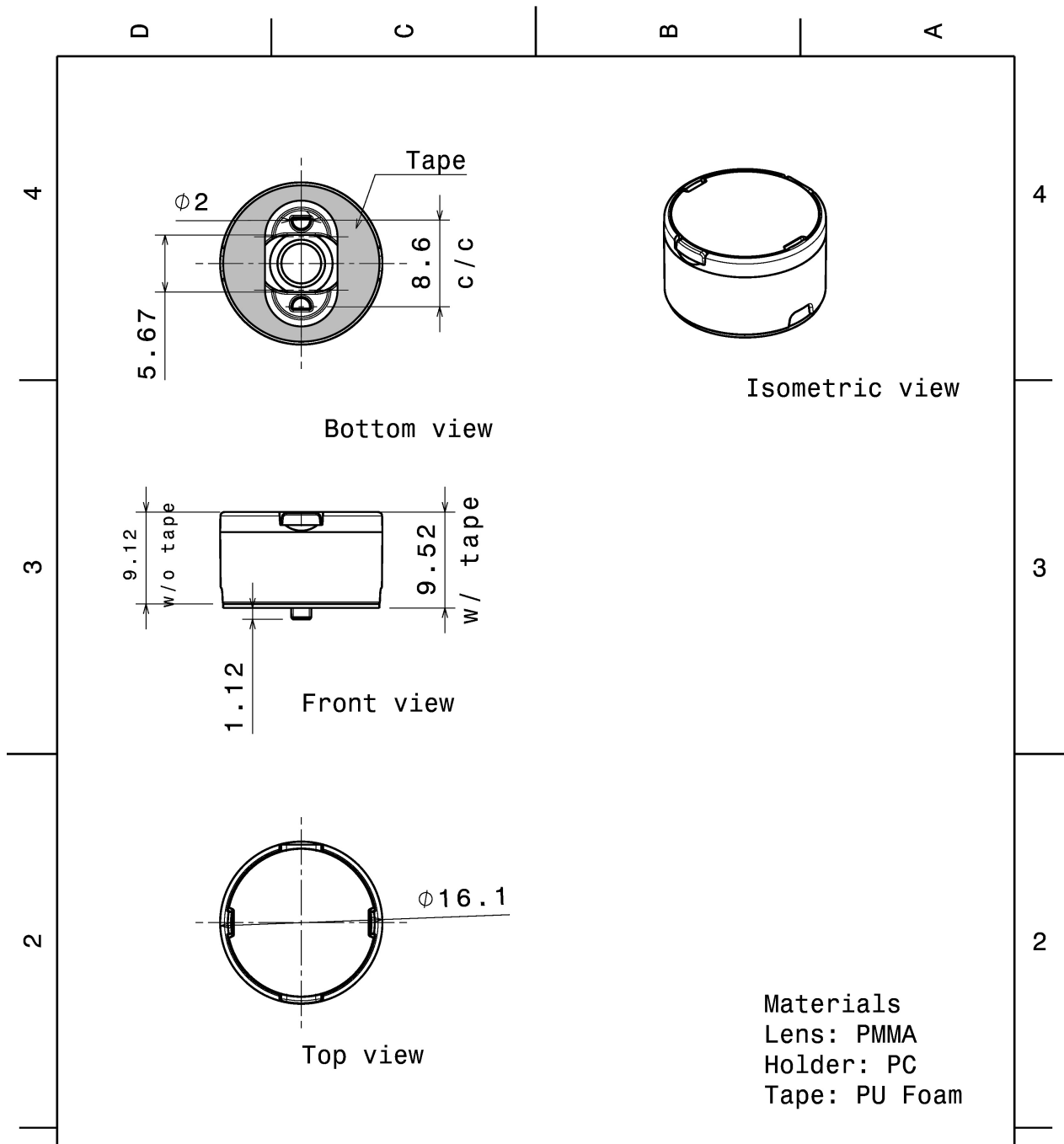
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
Colour	black
Box size	470 x 240 x 105 mm
Box weight	4.1 kg
Quantity in Box	2016 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA-XP-RS	Lens	PMMA	clear
TINA-HLD-PIN-BLK	Holder	PC	black
TINA-TAPE3	Tape	PU tape	black



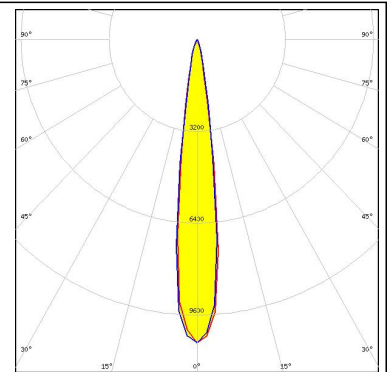
Materials
 Lens: PMMA
 Holder: PC
 Tape: PU Foam

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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

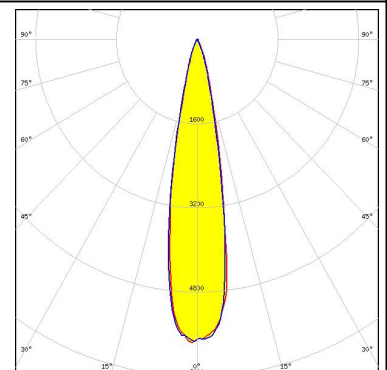
PHOTOMETRIC DATA (MEASURED):



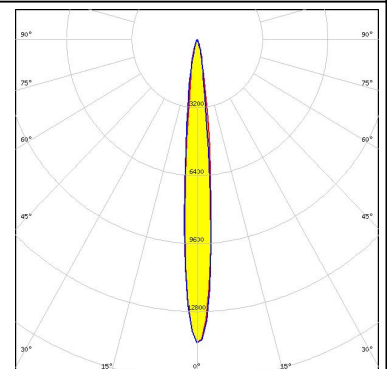
LED XB-H
 FWHM 15.0°
 Efficiency 88 %
 Peak intensity 10.600 cd/lm
 Required components:



LED NVSW3x9A
 FWHM 20.0°
 Efficiency 88 %
 Peak intensity 5.800 cd/lm
 Required components:



LED Oslon SSL 80
 FWHM 11.0°
 Efficiency 90 %
 Peak intensity 14.300 cd/lm
 Required components:



LED SFH 4715S
 FWHM 15.0°
 Efficiency %
 Peak intensity cd/lm
 Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

LED SFH 4725S
FWHM 10.0°
Efficiency %
Peak intensity cd/lm
Required components:

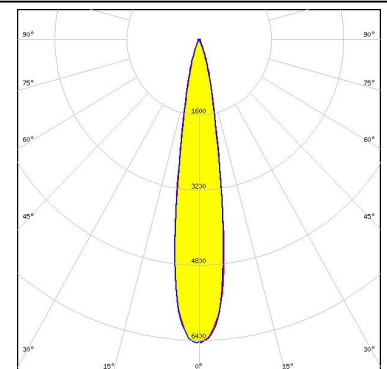
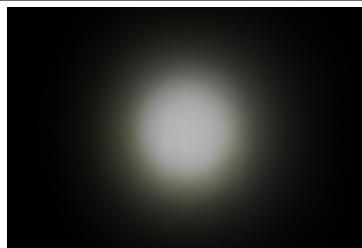
SAMSUNG

LED LH351A(3535)
FWHM 14.0°
Efficiency 93 %
Peak intensity 7.810 cd/lm
Required components:



SEOUL SEMICONDUCTOR

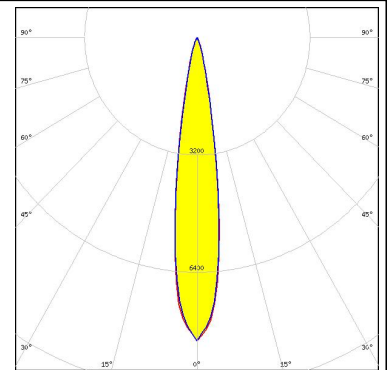
LED Z8Y22P
FWHM 17.0°
Efficiency 85 %
Peak intensity 6.400 cd/lm
Required components:



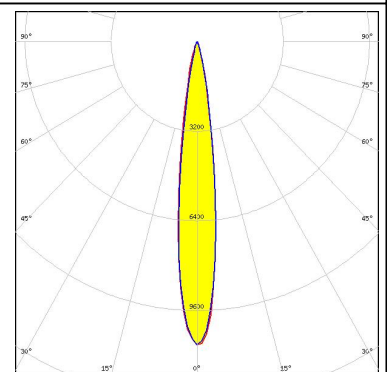
PHOTOMETRIC DATA (SIMULATED):



LED NVSxx19B/NVSxx19C
FWHM 16.0°
Efficiency 88 %
Peak intensity 8.200 cd/lm
Required components:



LED Oslon Square Gen3
FWHM 14.0°
Efficiency 92 %
Peak intensity 10.900 cd/lm
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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