

TINA-RS

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

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

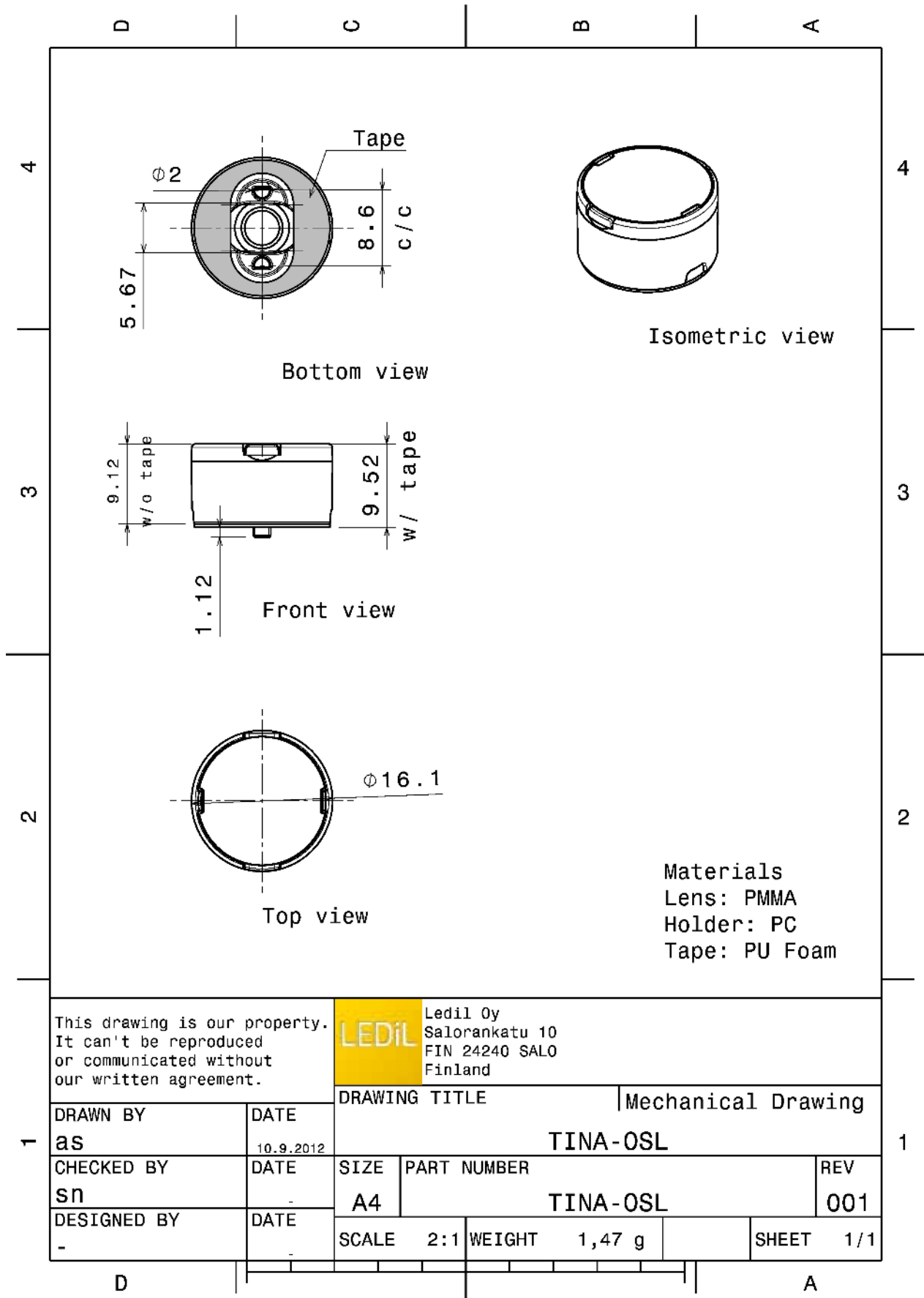


MATERIALS:

Component	Type	Material	Colour	Finish
TINA-XP-RS	Single lens	PMMA	clear	
TINA-HLD-PIN-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

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					

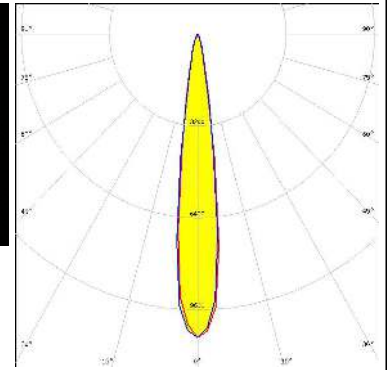


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

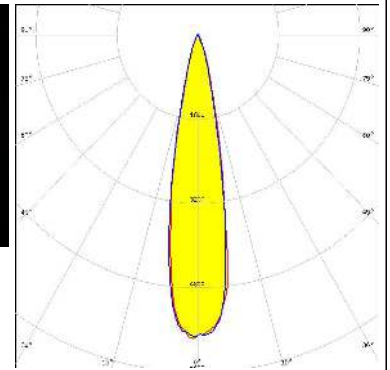
CREE LED

LED XB-H
 FWHM / FWTM 15.0° / 27.0°
 Efficiency 88 %
 Peak intensity 10.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

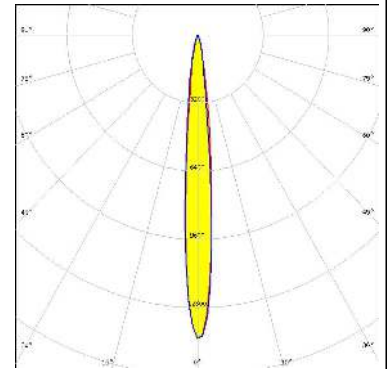
LED NVSW3x9A
 FWHM / FWTM 20.0° / 37.0°
 Efficiency 88 %
 Peak intensity 5.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 90 %
 Peak intensity 14.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4715S
 FWHM / FWTM 15.0° / 26.0°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):

OSRAM

Osram Semiconductors

LED SFH 4725S
FWHM / FWTM 10.0° / 24.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

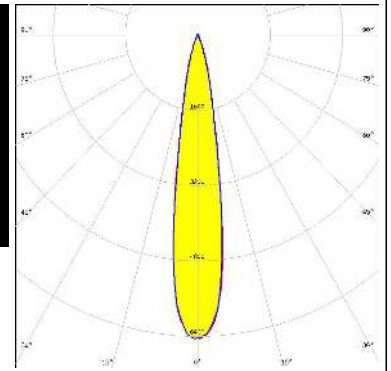
SAMSUNG

LED LH351A
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 7.8 cd/m
LEDs/each optic 1
Light colour White
Required components:

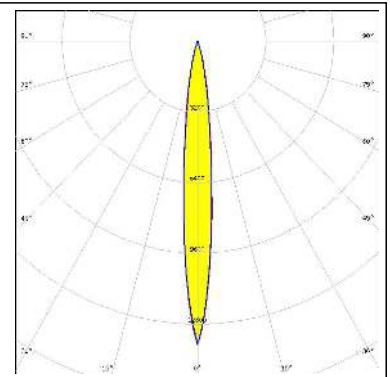
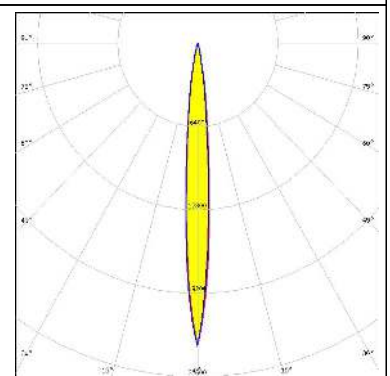
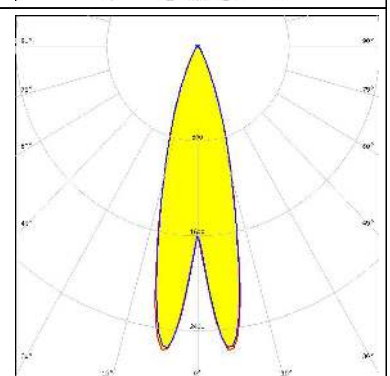
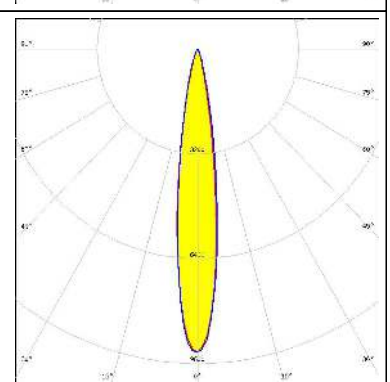
SEKOL

SEOUL SEMICONDUCTOR

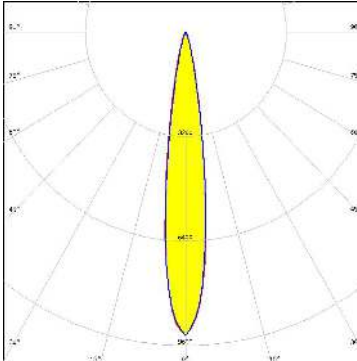
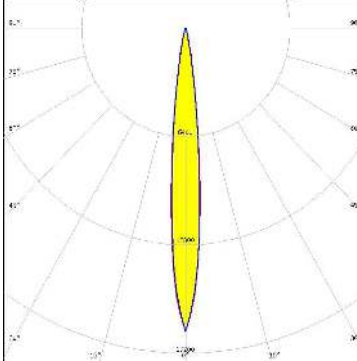
LED Z8Y22P
FWHM / FWTM 17.0° / 35.0°
Efficiency 85 %
Peak intensity 6.4 cd/m
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON C FWHM / FWTM: 12.0° / 27.0° Efficiency: 87 % Peak intensity: 13.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CZ FWHM / FWTM: 10.0° / 21.0° Efficiency: 92 % Peak intensity: 23.3 cd/lm LEDs/each optic: 1 Light colour: Red Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxE17A FWHM / FWTM: 28.0° / 50.0° Efficiency: 85 % Peak intensity: 2.7 cd/lm LEDs/each optic: 4 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NF2x757G FWHM / FWTM: 16.0° / 30.0° Efficiency: 92 % Peak intensity: 9.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 16.0° / 30.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 9.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED SYNIOS S2222</p> <p>FWHM / FWTM 12.0 + 11.0° / 22.0°</p> <p>Efficiency 97 %</p> <p>Peak intensity 17.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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