

TINA2-RS

~14° spot beam. Assembly with holder, installation tape and location pins.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.0 mm
Height	9.5 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

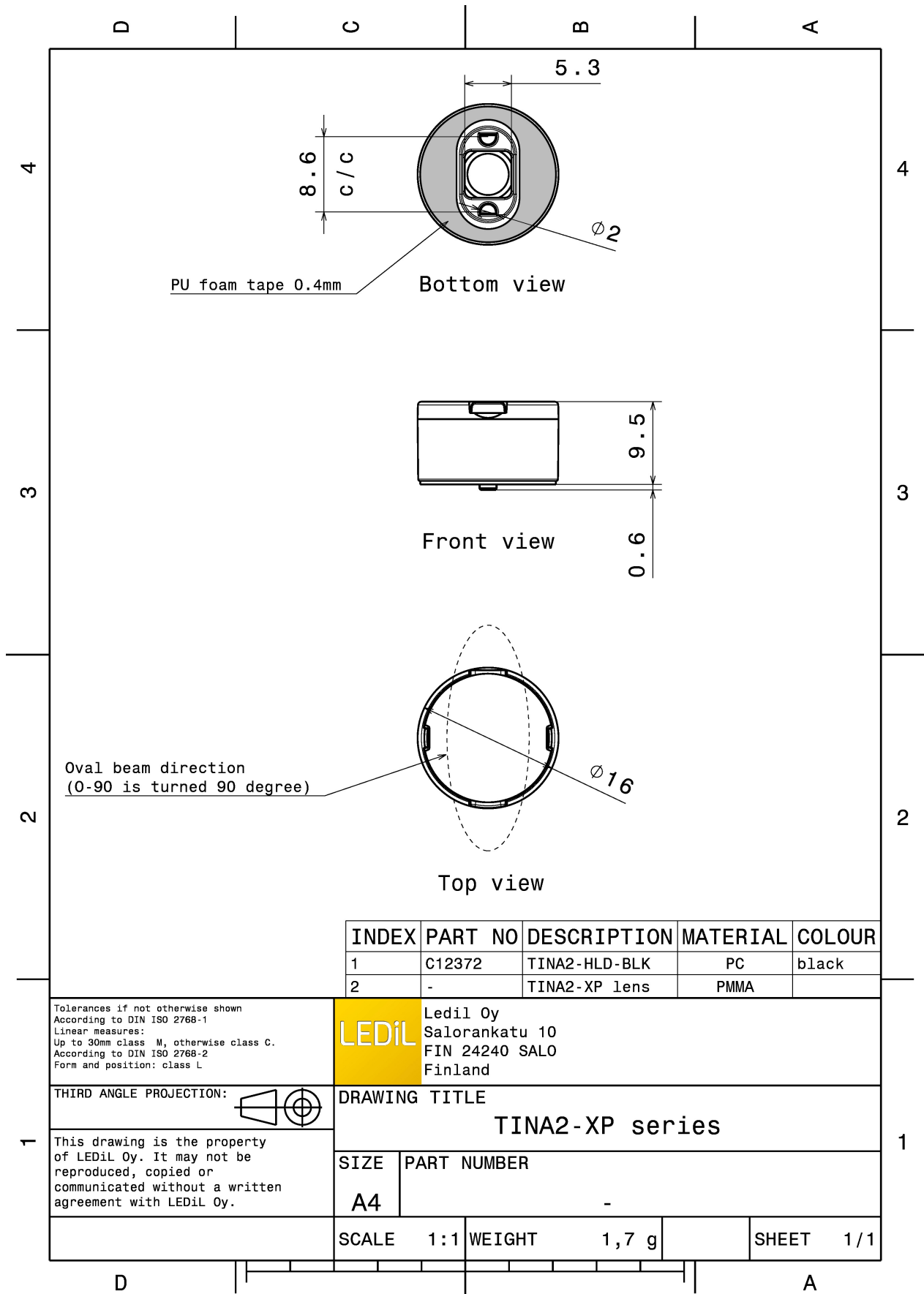
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
TINA2-RS	Single lens	PMMA	clear	
TINA2-HLD-BLK	Holder	PC	black	
TINA-TAPE3	Tape	PU tape	black	



ORDERING INFORMATION:

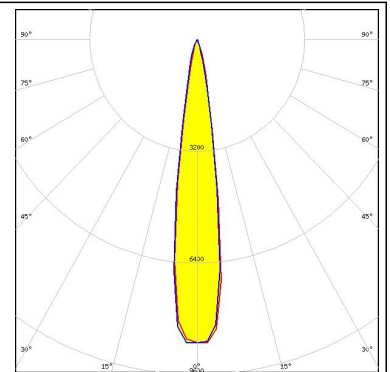
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12374_TINA2-RS	Single lens	4140	230	230	8.3
» Box size: 451 x 241 x 298 mm					



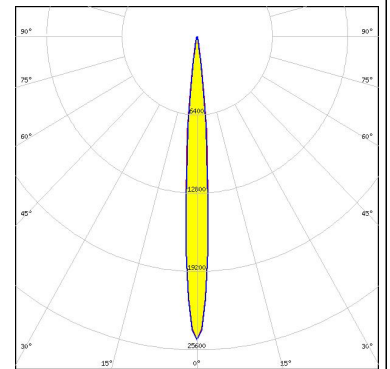
PHOTOMETRIC DATA (MEASURED):



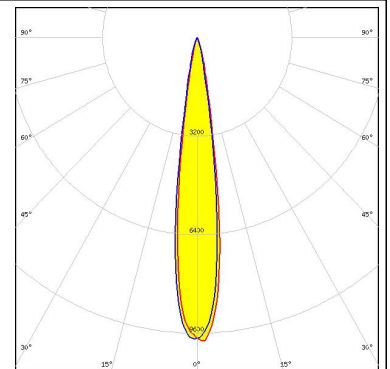
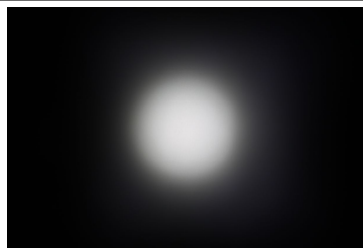
LED XB-H
 FWHM 17.0°
 Efficiency 86 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



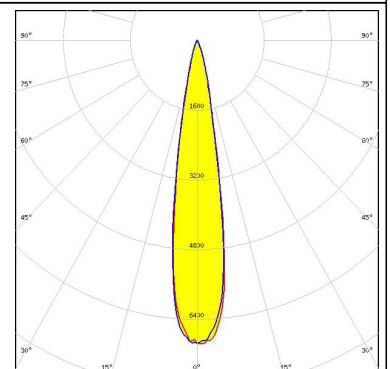
LED XQ-E HI
 FWHM 9.0°
 Efficiency 81 %
 Peak intensity 25 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON TX
 FWHM 15.0°
 Efficiency 89 %
 Peak intensity 9.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



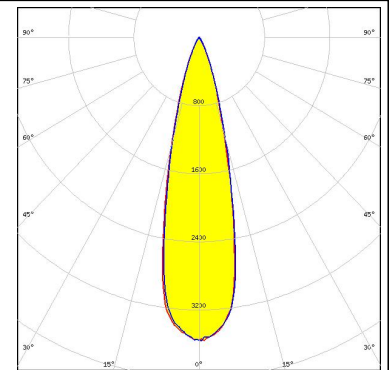
LED NVSxx19B/NVSxx19C
 FWHM 18.0°
 Efficiency 88 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):



LED NWSx229A
FWHM 25.0°
Efficiency 86 %
Peak intensity 3.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Osram Opto Semiconductors

LED OSOLON Square EC
FWHM 13.0°
Efficiency 88 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Osram Opto Semiconductors

LED OSOLON Square PC
FWHM 12.0°
Efficiency 88 %
Peak intensity 9.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



Osram Opto Semiconductors

LED OSOLON SSL 150
FWHM 11.0°
Efficiency 90 %
Peak intensity 19.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM 10.0°
Efficiency 88 %
Peak intensity 16 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OSRAM
Opto Semiconductors

LED SFH 4180S
FWHM 6.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:

OSRAM
Opto Semiconductors

LED SFH 4715S
FWHM 14.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

OSRAM
Opto Semiconductors

LED SFH 4716S
FWHM 11.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

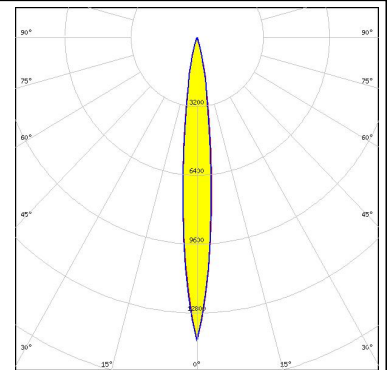
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PHOTOMETRIC DATA (SIMULATED):

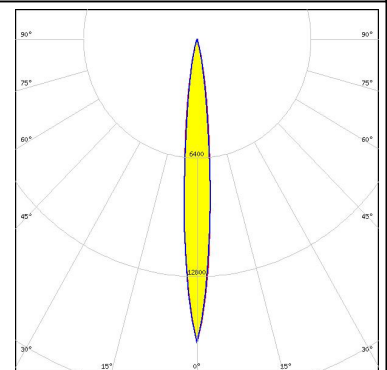
LUMILEDS

LED LUXEON C
 FWHM 11.0°
 Efficiency 92 %
 Peak intensity 14 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



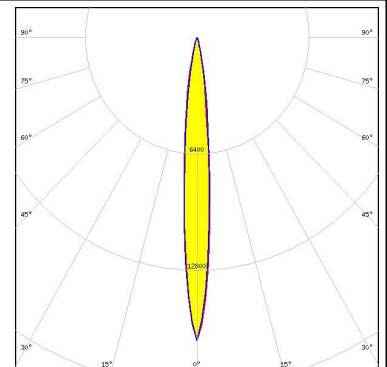
LUMILEDS

LED LUXEON IR Compact
 FWHM 10.0°
 Efficiency 87 %
 LEDs/each optic 1
 Light colour IR
 Required components:



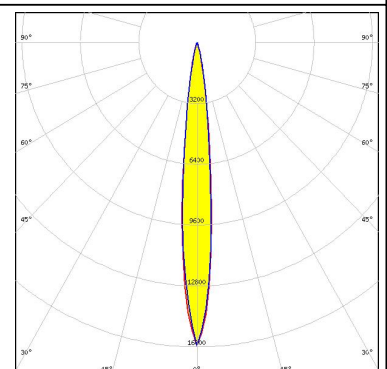
NICHIA

LED NFSx757G
 FWHM 10.0°
 Efficiency 93 %
 Peak intensity 16.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

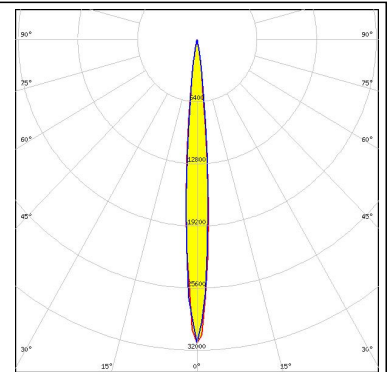

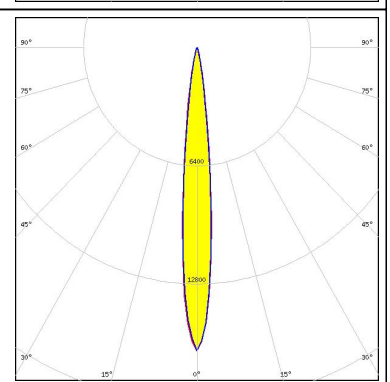
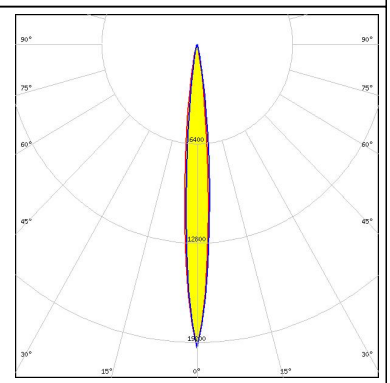
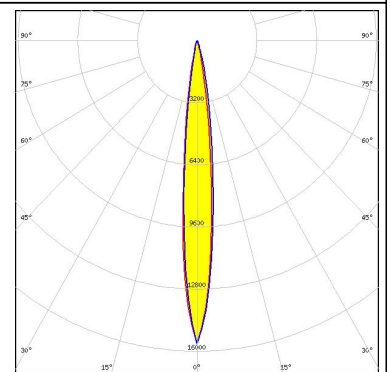


OSRAM Opto Semiconductors

LED OSCONIQ P 3030
 FWHM 12.0°
 Efficiency 91 %
 Peak intensity 16 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



PHOTOMETRIC DATA (SIMULATED):

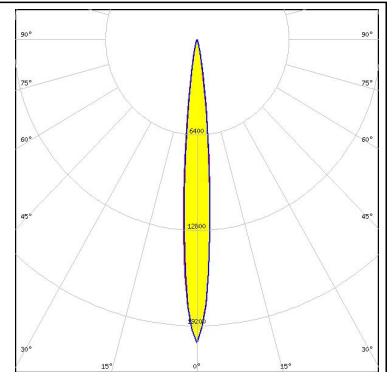
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON Black Flat FWHM: 8.6° Efficiency: 92 % Peak intensity: 32.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED: OSOLON Square Flat FWHM: 11.0° Efficiency: 91 % Peak intensity: 16.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4170S FWHM: 10.0° Efficiency: 81 % LEDs/each optic: 1 Light colour: IR Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED: SFH 4770S FWHM: 13.0° Efficiency: 92 % LEDs/each optic: 1 Light colour: IR Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

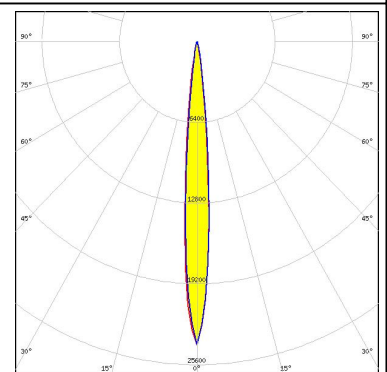
LED Synios P2720 1 mm
 FWHM 10.0°
 Efficiency 92 %
 Peak intensity 20.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

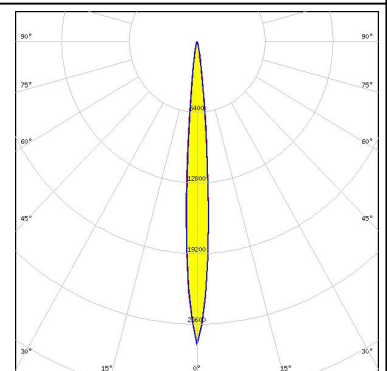
LED Synios P2720 1/2 mm
 FWHM 9.0°
 Efficiency 92 %
 Peak intensity 24 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED Synios P2720 1/4 mm
 FWHM 8.0°
 Efficiency 92 %
 Peak intensity 27.5 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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