

TINA2-O

~35° + 15° oval beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

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

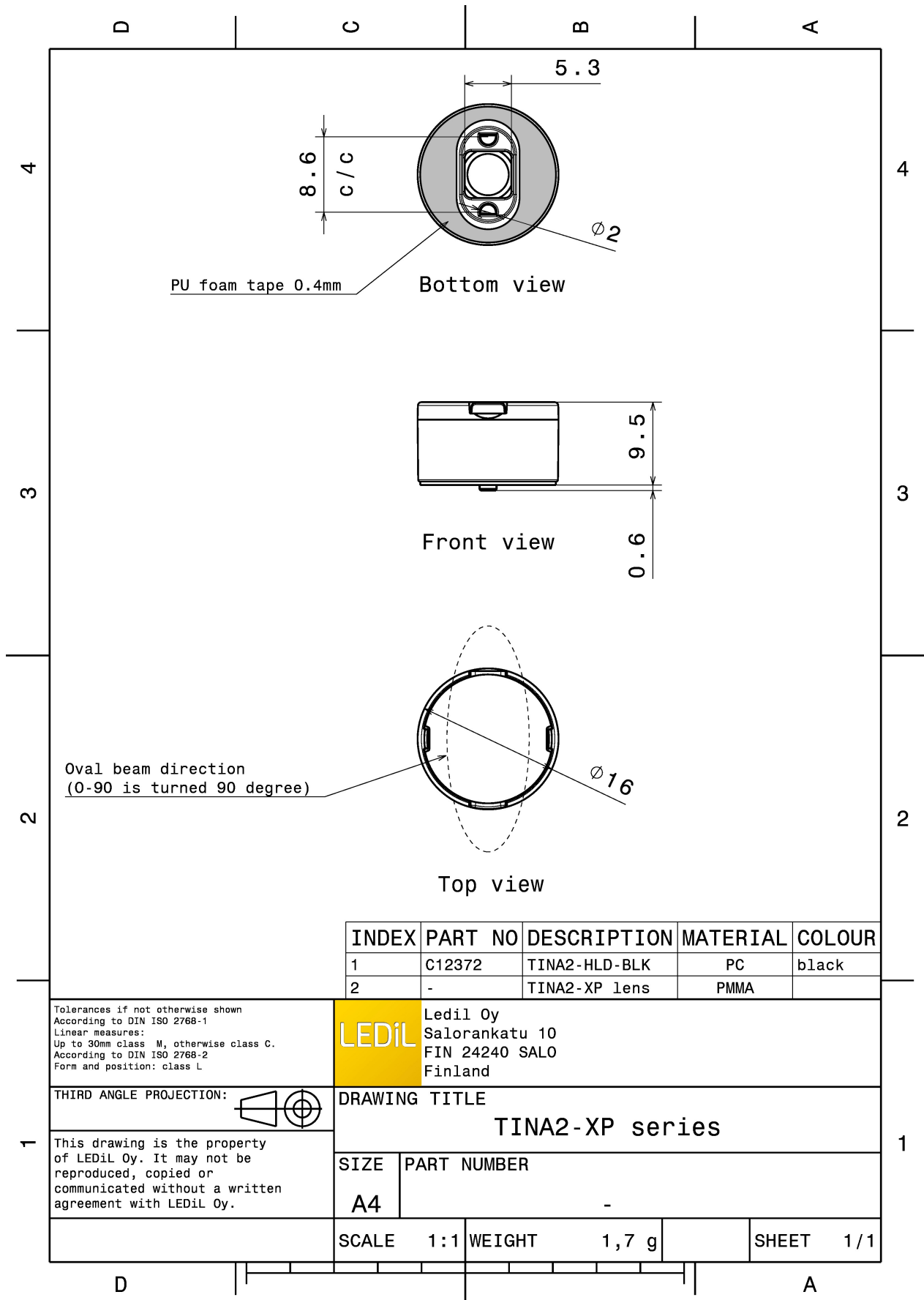


MATERIALS:

Component	Type	Material	Colour	Finish
TINA2-XP-O	Single lens	PMMA	clear	
TINA2-HLD-BLK	Holder	PC	black	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12379_TINA2-O	Single lens	4140	230	230	8.5
» Box size: 451 x 241 x 298 mm					

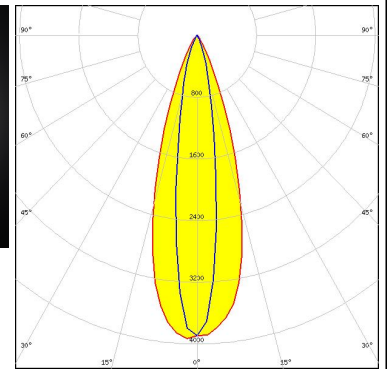
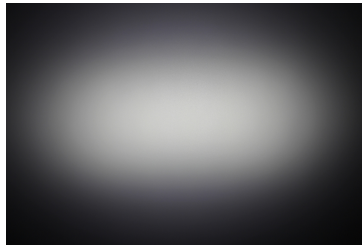


See also our general installation guide: www.ledil.com/installation_guide

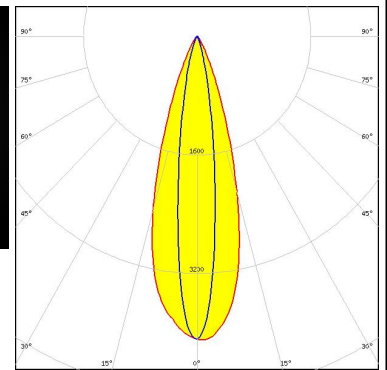
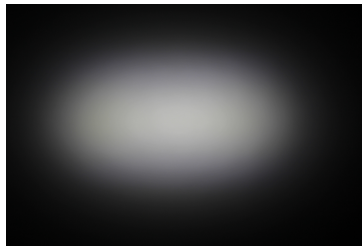
OPTICAL RESULTS (MEASURED):



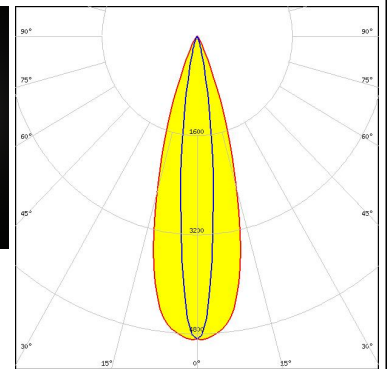
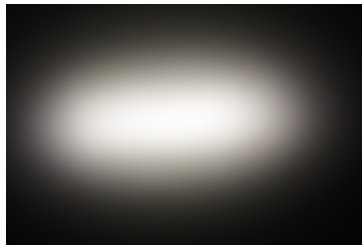
LED XB-H
 FWHM / FWTM 34.0 + 17.0° / 57.0 + 39.0°
 Efficiency 84 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



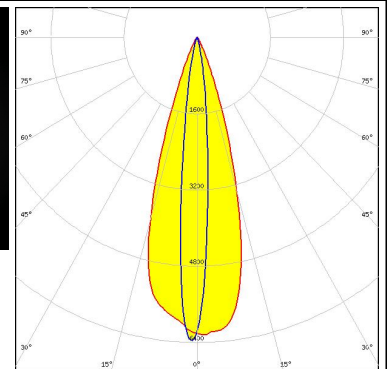
LED XD16
 FWHM / FWTM 32.0 + 15.0° / 54.0 + 32.0°
 Efficiency 80 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XQ-E HI
 FWHM / FWTM 33.0 + 13.0° / 51.0 + 28.0°
 Efficiency 80 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



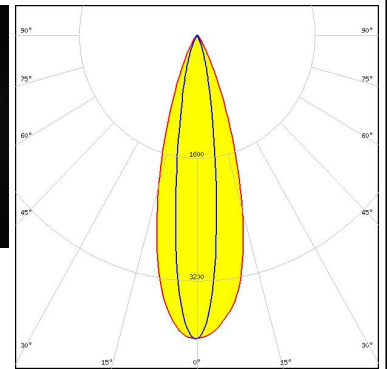
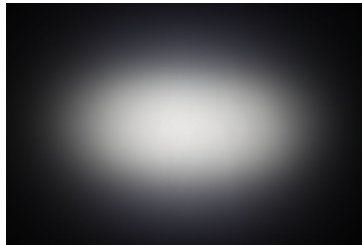
LED LUXEON CZ
 FWHM / FWTM 32.0 + 10.0° / 49.0 + 23.0°
 Efficiency 88 %
 Peak intensity 6.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

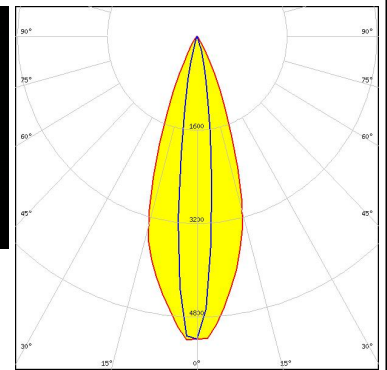
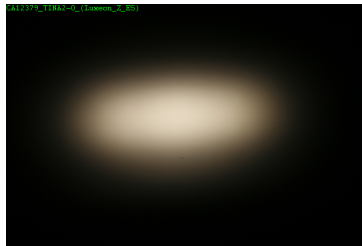
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 32.0 + 16.0° / 55.0 + 37.0°
 Efficiency 85 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



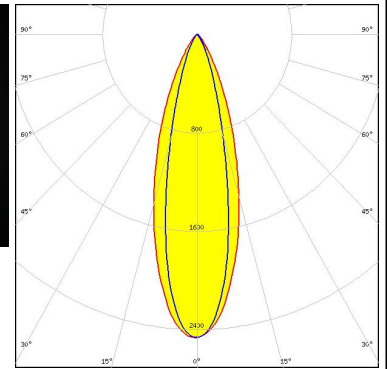
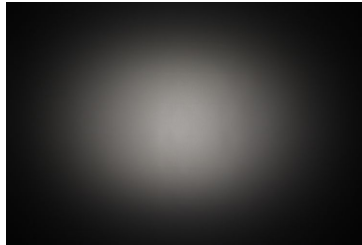
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 36.0 + 13.0° / 56.0 + 28.0°
 Efficiency 85 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

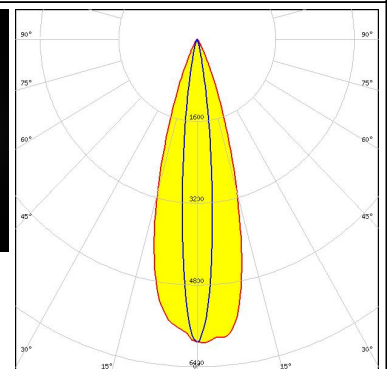
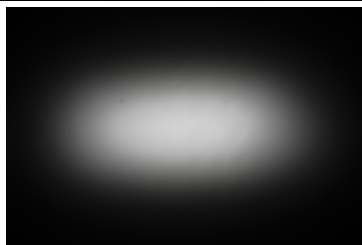
LED NWSx229A
 FWHM / FWTM 33.0 + 24.0° / 65.0 + 49.0°
 Efficiency 82 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)
 FWHM / FWTM 31.0 + 12.0° / 50.0 + 24.0°
 Efficiency 87 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

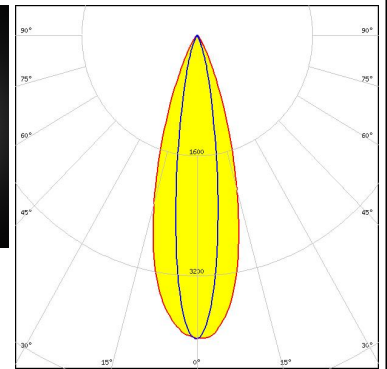
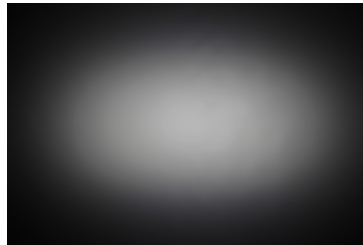


OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

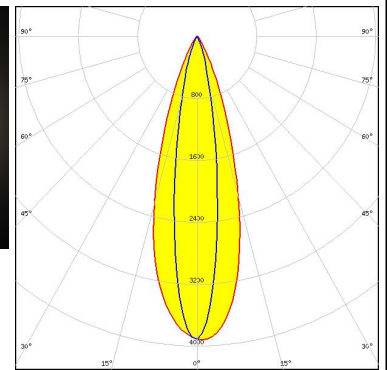
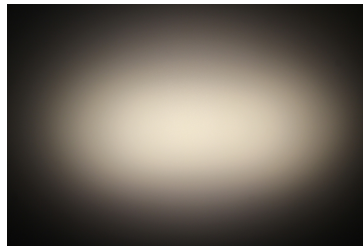
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 32.0 + 16.0° / 55.0 + 36.0°
 Efficiency 87 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

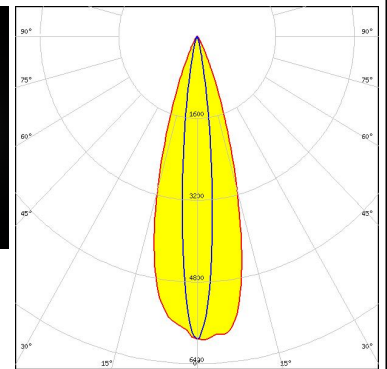
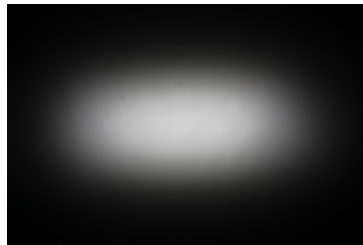
LED OSLON Square EC
 FWHM / FWTM 33.0 + 17.0° / 57.0 + 37.0°
 Efficiency 84 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON Square Flat
 FWHM / FWTM 31.0 + 12.0° / 50.0 + 24.0°
 Efficiency 87 %
 Peak intensity 5.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

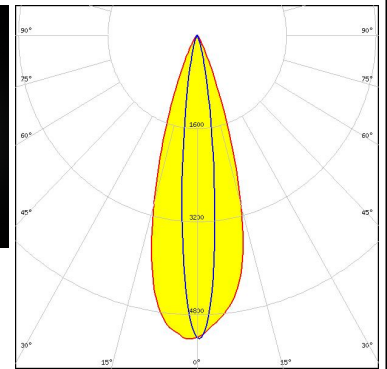
LED OSLON Square PC
 FWHM / FWTM 33.0 + 13.0° / 56.0 + 34.0°
 Efficiency 87 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OPTICAL RESULTS (MEASURED):

OSRAM

Opto Semiconductors

LED OSLON SSL 150
 FWHM / FWTM 33.0 + 13.0° / 52.0 + 28.0°
 Efficiency 86 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON SSL 150
 FWHM / FWTM 38.0 + 13.0° / 59.0 + 30.0°
 Efficiency 87 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OSRAM

Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 35.0 + 12.0° / 56.0 + 30.0°
 Efficiency 86 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OSRAM

Opto Semiconductors

LED SFH 4170S
 FWHM / FWTM 30.0 + 10.0° / 50.0 + 26.0°
 Efficiency %
 LEDs/each optic 1
 Light colour IR
 Required components:

OPTICAL RESULTS (MEASURED):

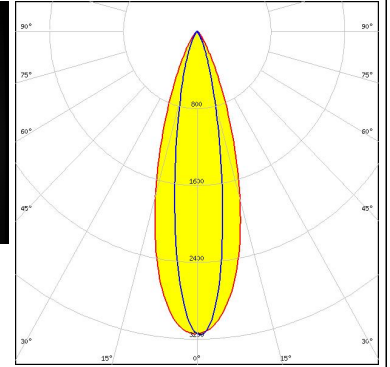
OSRAM Opto Semiconductors

LED SFH 4180S
FWHM / FWTM 31.0 + 10.0° / 50.0 + 27.0°
Efficiency %
LEDs/each optic 1
Light colour IR
Required components:



SEOUL SEMICONDUCTOR

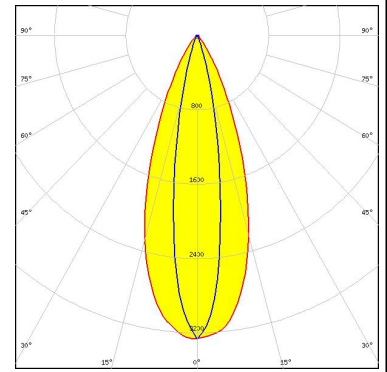
LED Z5M3
FWHM / FWTM 33.0 + 19.0° / 59.0 + 42.0°
Efficiency 82 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



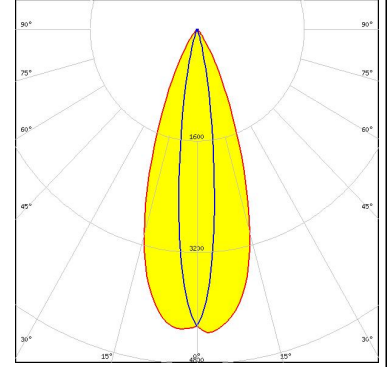
OPTICAL RESULTS (SIMULATED):



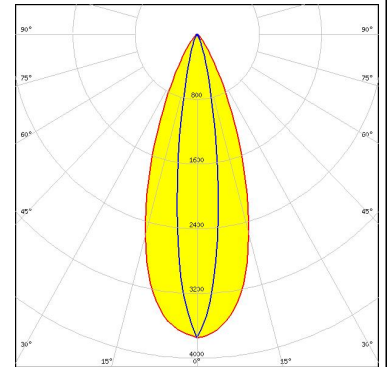
LED XB-D
 FWHM / FWTM 39.0 + 18.0° / 67.0 + 36.0°
 Efficiency 86 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



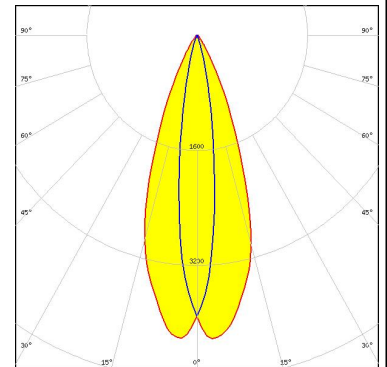
LED XE-G
 FWHM / FWTM 38.0 + 14.0° / 62.0 + 28.0°
 Efficiency 89 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 2835 Line
 FWHM / FWTM 38.0 + 16.0° / 66.0 + 34.0°
 Efficiency 96 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON C
 FWHM / FWTM 14.0 + 37.0° / 30.0 + 60.0°
 Efficiency 93 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



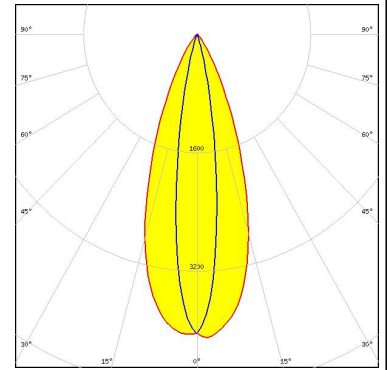
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED LUXEON IR Compact
 FWHM / FWTM 37.0 + 13.0° / 60.0 + 27.0°
 Efficiency 82 %
 LEDs/each optic 1
 Light colour White
 Required components:

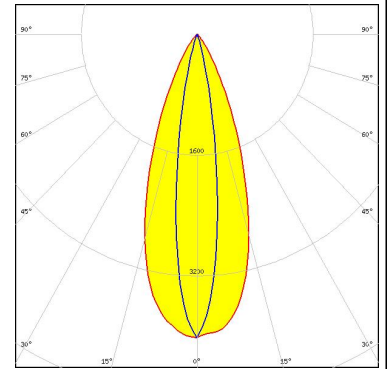
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 38.0 + 16.0° / 65.0 + 30.0°
 Efficiency 91 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



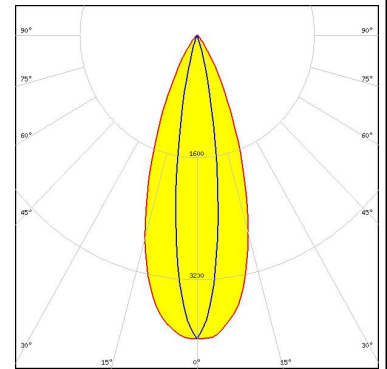
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 38.0 + 16.0° / 66.0 + 30.0°
 Efficiency 91 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:

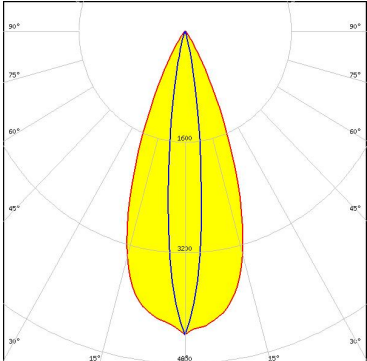
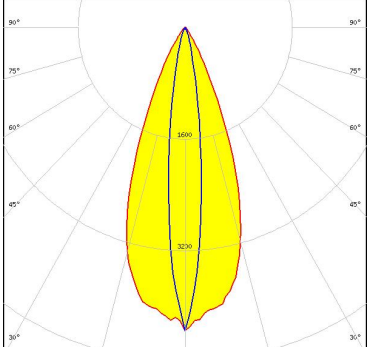
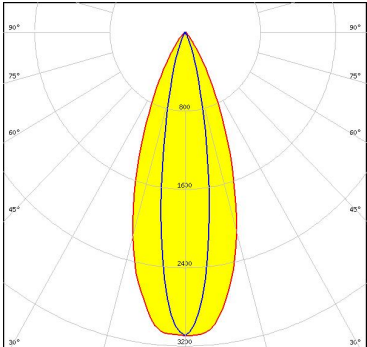
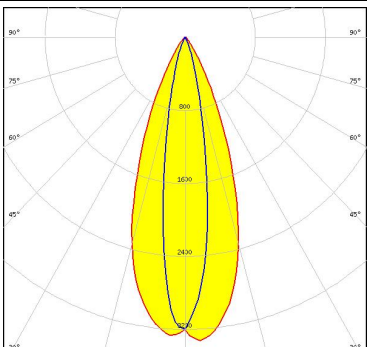


LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 38.0 + 16.0° / 65.0 + 31.0°
 Efficiency 90 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

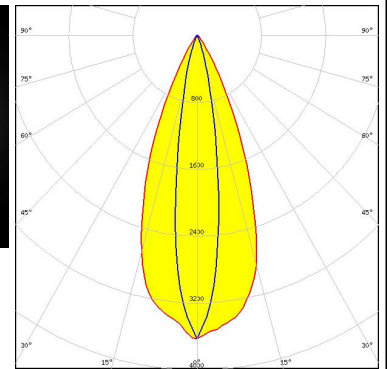
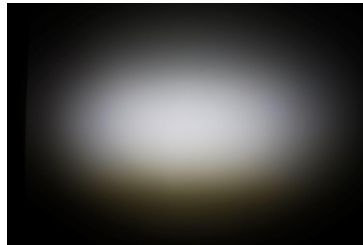
<p>NICHIA</p> <p>LED: NCSxE17A</p> <p>FWHM / FWTM: 42.0 + 13.0° / 62.0 + 26.0°</p> <p>Efficiency: 87 %</p> <p>Peak intensity: 4.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NFSx757G</p> <p>FWHM / FWTM: 41.0 + 13.0° / 63.0 + 29.0°</p> <p>Efficiency: 90 %</p> <p>Peak intensity: 4.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM: 39.0 + 18.0° / 68.0 + 39.0°</p> <p>Efficiency: 85 %</p> <p>Peak intensity: 3.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C</p> <p>FWHM / FWTM: 39.0 + 17.0° / 66.0 + 36.0°</p> <p>Efficiency: 86 %</p> <p>Peak intensity: 3.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED Duris S5 (2 chip)
 FWHM / FWTM 41.0 + 17.0° / 64.0 + 34.0°
 Efficiency 91 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

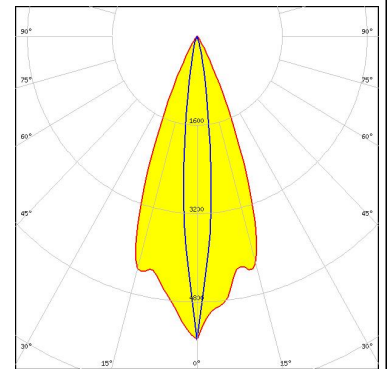
Opto Semiconductors

LED SFH 4770S
 FWHM / FWTM 41.0 + 16.0° / 63.0 + 33.0°
 Efficiency 85 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

OSRAM

Opto Semiconductors

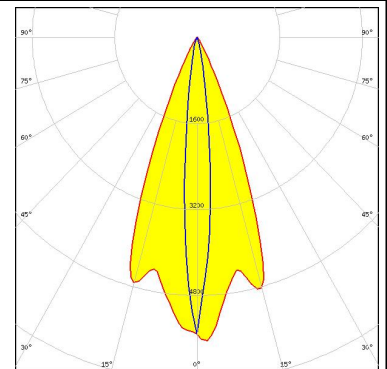
LED Synios P2720 1 mm
 FWHM / FWTM 41.0 + 11.0° / 57.0 + 23.0°
 Efficiency 91 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED Synios P2720 1/2 mm
 FWHM / FWTM 41.0 + 10.0° / 56.0 + 23.0°
 Efficiency 91 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

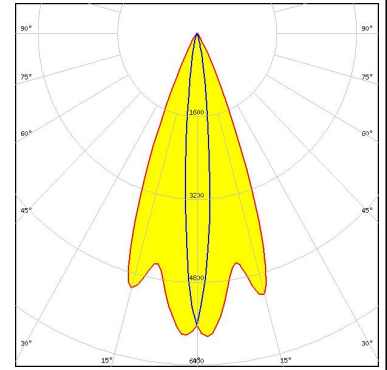


OPTICAL RESULTS (SIMULATED):

OSRAM

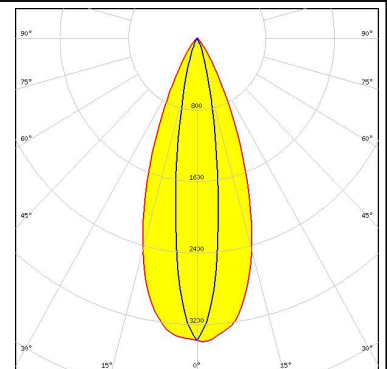
Opto Semiconductors

LED Synios P2720 1/4 mm
 FWHM / FWTM 41.0 + 9.0° / 56.0 + 22.0°
 Efficiency 91 %
 Peak intensity 6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

LED LM302D
 FWHM / FWTM 40.0 + 16.0° / 66.0 + 36.0°
 Efficiency 88 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z8Y15
 FWHM / FWTM 40.0 + 17.0° / 66.0 + 32.0°
 Efficiency 82 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

