

HEIDI-O

~50° x 11° oval beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

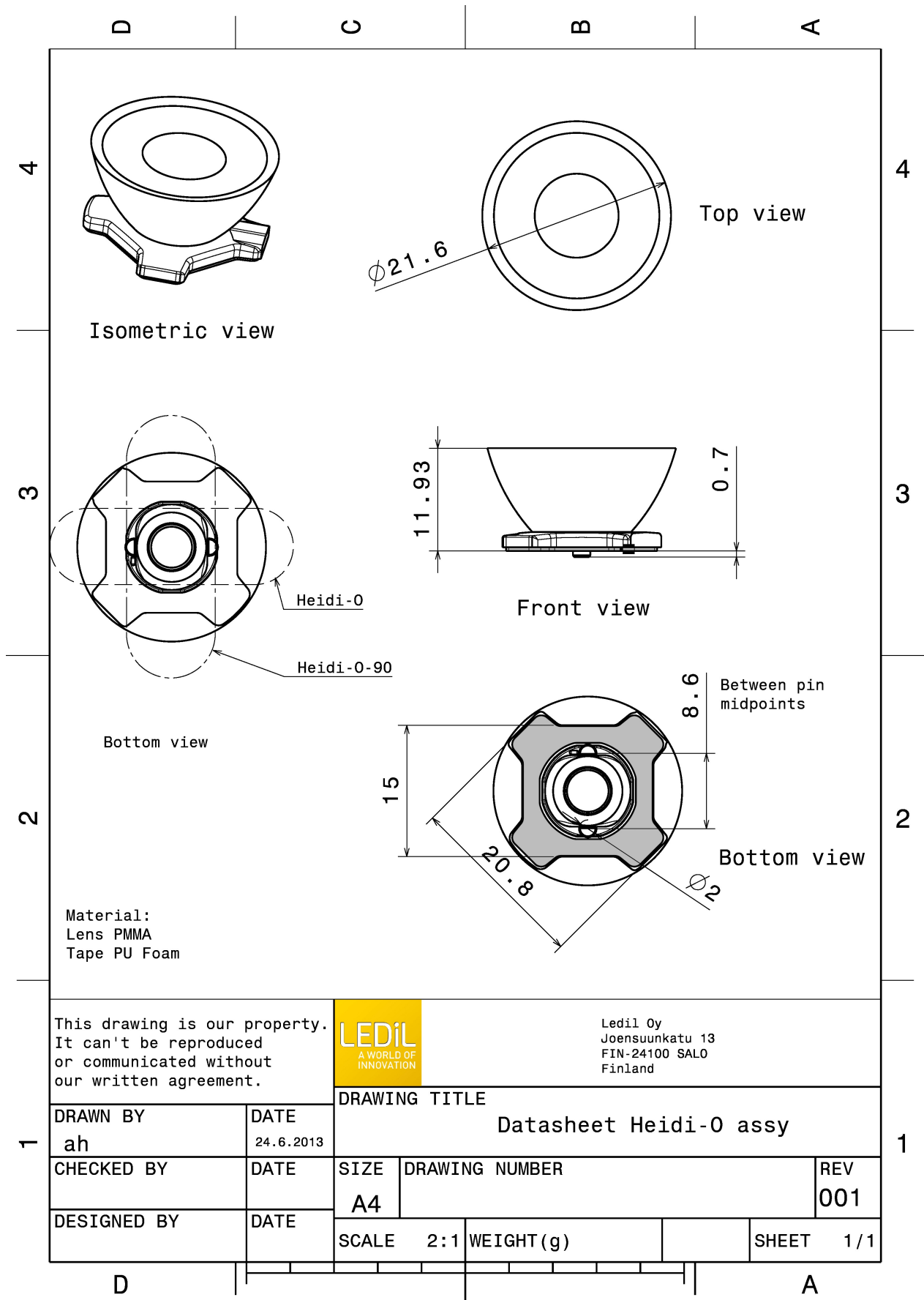
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-O	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	



ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA11266_HEIDI-O » Box size: 480 x 280 x 300 mm	Single lens	3264	204	204	9.7

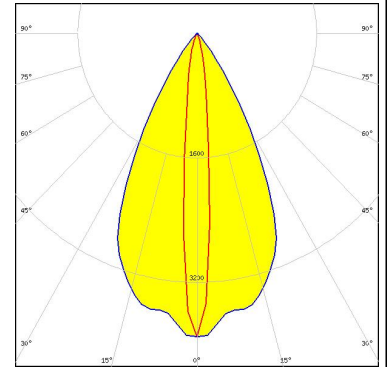


See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

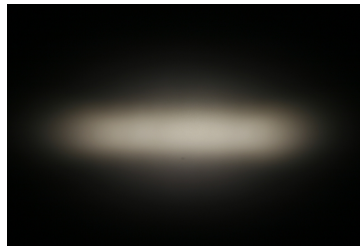
CREE → LED

LED XB-D White
 FWHM / FWTM 54.0 + 10.0° / 77.0 + 27.0°
 Efficiency 87 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



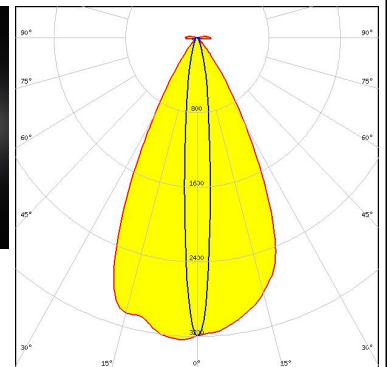
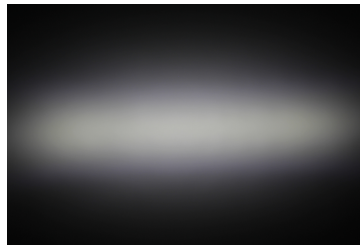
CREE → LED

LED XB-H
 FWHM / FWTM 53.0 + 11.0° / 78.0 + 34.0°
 Efficiency 83 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



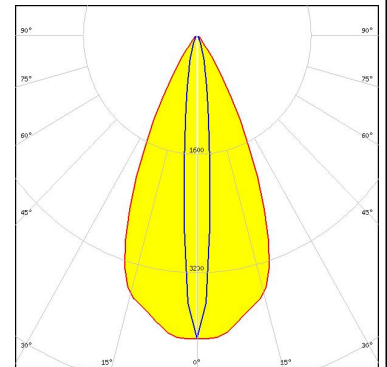
CREE → LED

LED XD16
 FWHM / FWTM 52.0 + 10.0° / 75.0 + 30.0°
 Efficiency 89 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE → LED

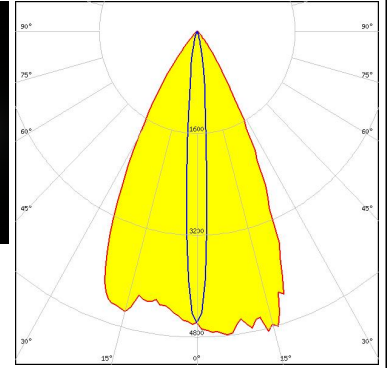
LED XP-E
 FWHM / FWTM 48.0 + 10.0° / 70.0 + 30.0°
 Efficiency 87 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

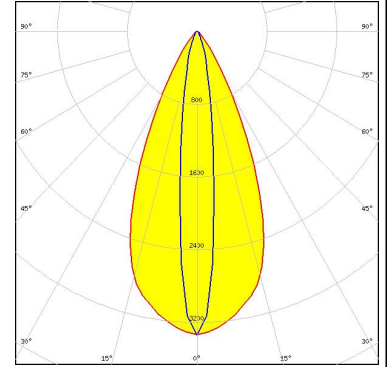
CREE LED

LED XP-E2
 FWHM / FWTM 54.0 + 9.0° / 75.0 + 23.0°
 Efficiency 85 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



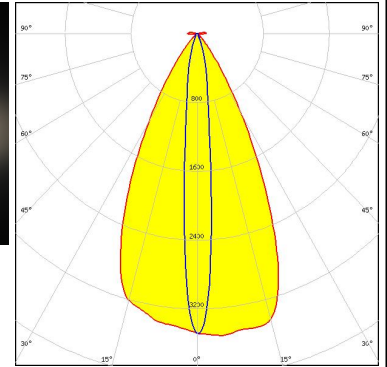
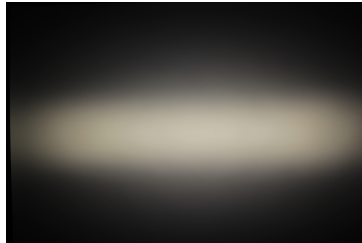
CREE LED

LED XP-G
 FWHM / FWTM 47.0 + 14.0° / 72.0 + 36.0°
 Efficiency 87 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



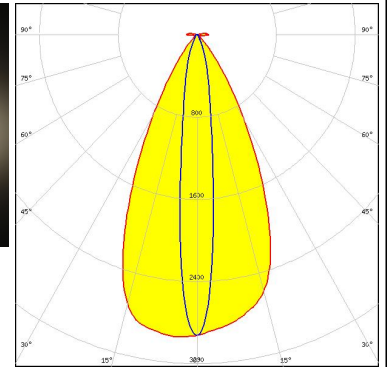
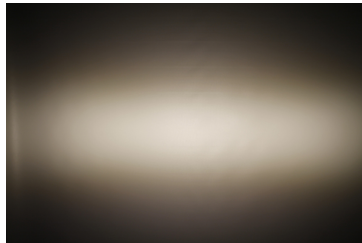
CREE LED

LED XP-G2
 FWHM / FWTM 52.0 + 11.0° / 76.0 + 32.0°
 Efficiency 91 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

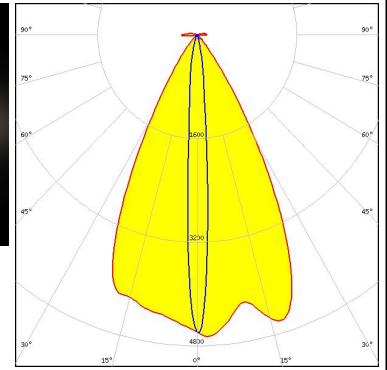
LED XP-G3
 FWHM / FWTM 51.0 + 13.0° / 77.0 + 37.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

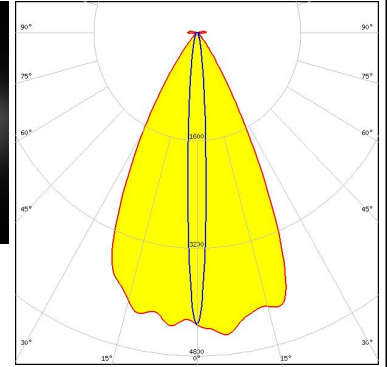
CREE LED

LED XQ-E HD
 FWHM / FWTM 55.0 + 8.0° / 75.0 + 22.0°
 Efficiency 93 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



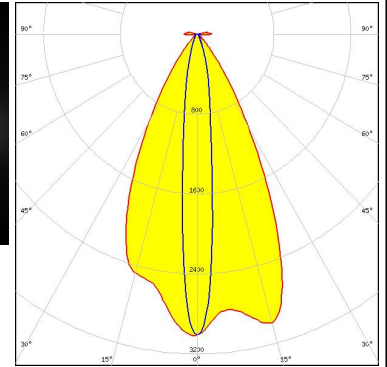
CREE LED

LED XQ-E HI
 FWHM / FWTM 53.0 + 7.0° / 73.0 + 21.0°
 Efficiency 90 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



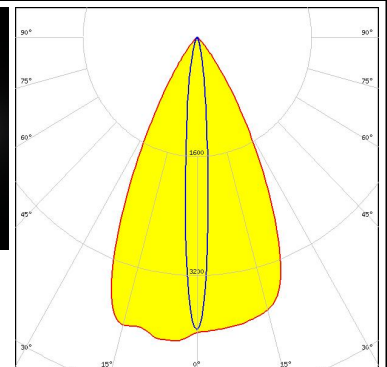
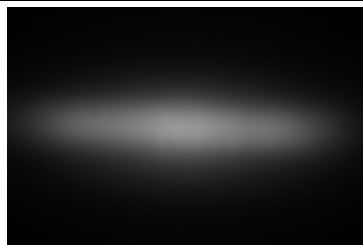
CREE LED

LED XT-E
 FWHM / FWTM 52.0 + 12.0° / 78.0 + 35.0°
 Efficiency 91 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

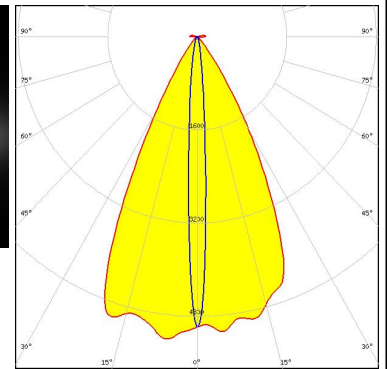
LED LUXEON C
 FWHM / FWTM 53.0 + 9.0° / 75.0 + 25.0°
 Efficiency 81 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

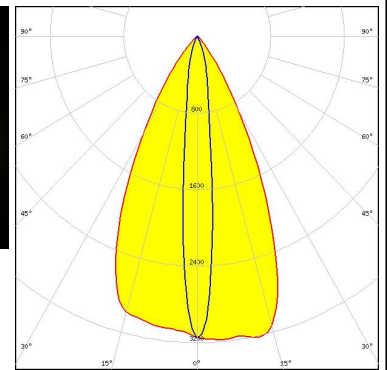
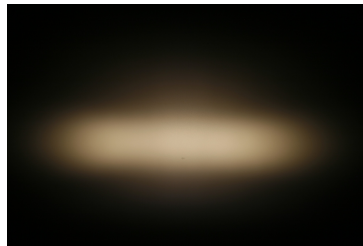
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 53.0 + 7.0° / 72.0 + 20.0°
 Efficiency 92 %
 Peak intensity 5.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



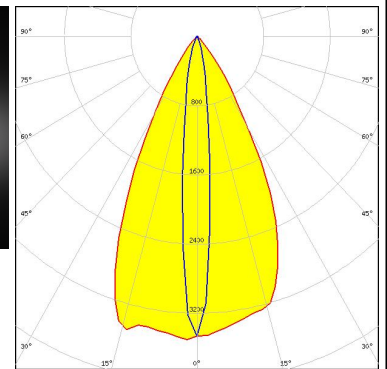
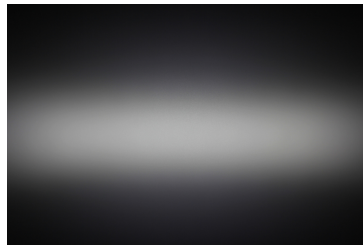
LUMILEDS

LED LUXEON T
 FWHM / FWTM 52.0 + 12.0° / 76.0 + 33.0°
 Efficiency 81 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



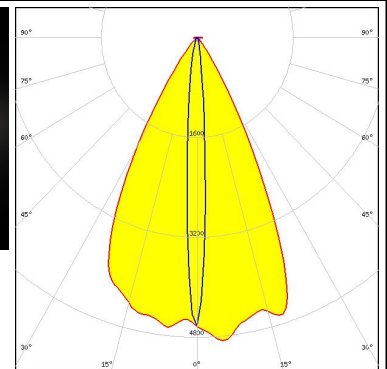
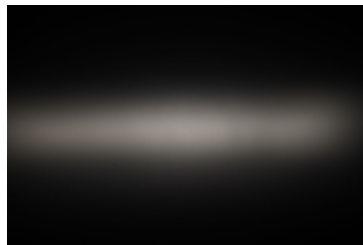
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 54.0 + 12.0° / 77.0 + 31.0°
 Efficiency 82 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

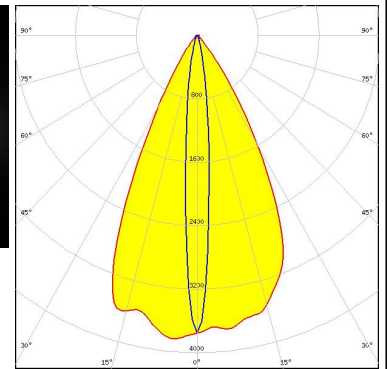
LED LUXEON Z
 FWHM / FWTM 55.0 + 7.5° / 73.0 + 20.0°
 Efficiency 87 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



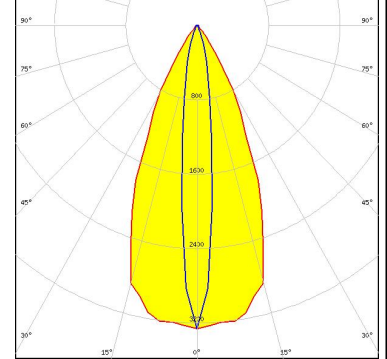
PHOTOMETRIC DATA (MEASURED):



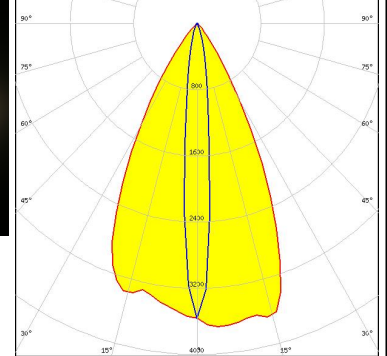
LED LUXEON Z ES
 FWHM / FWTM 54.0 + 9.6° / 74.0 + 25.0°
 Efficiency 85 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



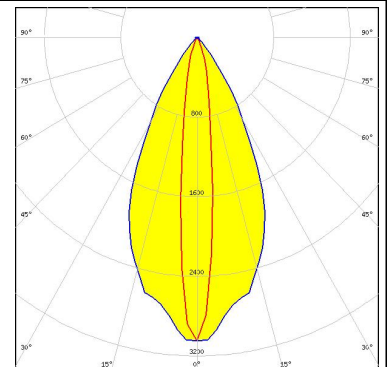
LED NCSxx19A
 FWHM / FWTM 46.0 + 12.0° / 70.0 + 34.0°
 Efficiency 82 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NCSxx19B
 FWHM / FWTM 55.0 + 11.0° / 77.0 + 29.0°
 Efficiency 83 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



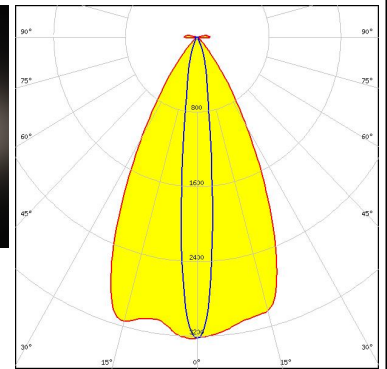
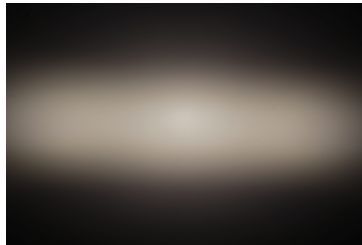
LED NVSxx19A
 FWHM / FWTM 50.0 + 12.0° / 76.0 + 35.0°
 Efficiency 82 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



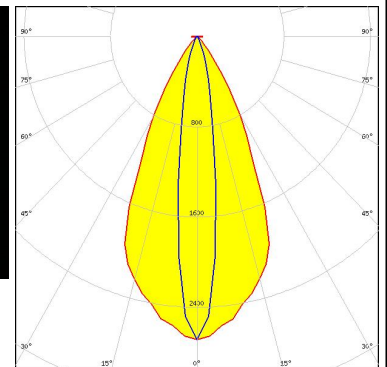
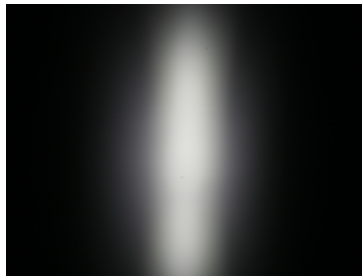
PHOTOMETRIC DATA (MEASURED):



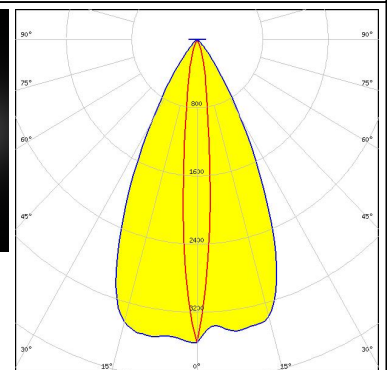
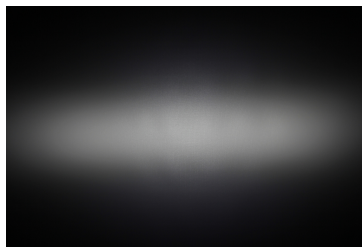
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 54.0 + 12.0° / 78.0 + 33.0°
 Efficiency 92 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



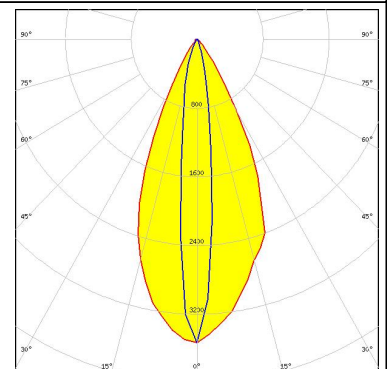
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 48.0 + 15.0° / 74.0 + 36.0°
 Efficiency 82 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors
 LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 52.0 + 13.0° / 80.0 + 32.0°
 Efficiency 80 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors
 LED OSLOM Square EC
 FWHM / FWTM 48.0 + 12.0° / 74.0 + 30.0°
 Efficiency 86 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

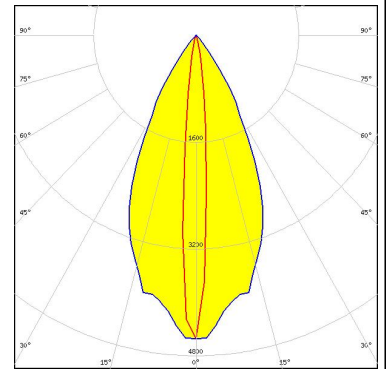


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

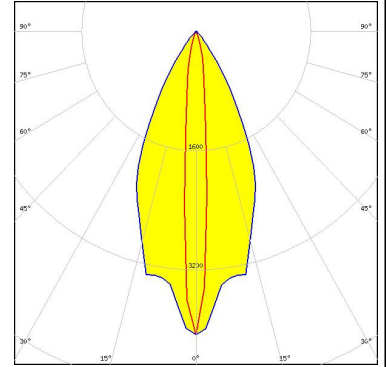
LED OSLON SSL 150
 FWHM / FWTM 50.0 + 8.0° / 75.0 + 22.0°
 Efficiency 85 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

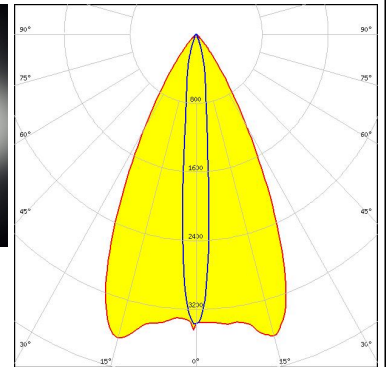
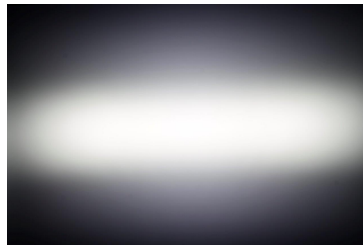
Opto Semiconductors

LED OSLON SSL 80
 FWHM / FWTM 47.0 + 8.0° / 73.0 + 27.0°
 Efficiency 83 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



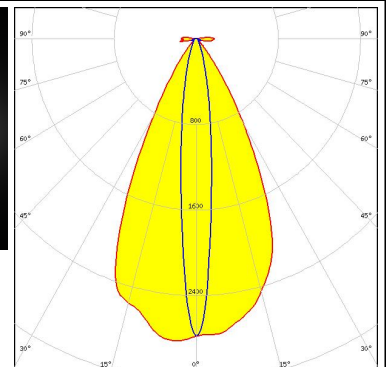
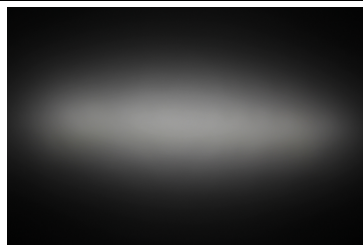
PHILIPS

LED Fortimo FastFlex 2x8 DS G3
 FWHM / FWTM 55.0 + 11.0° / 77.0 + 32.0°
 Efficiency 86 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

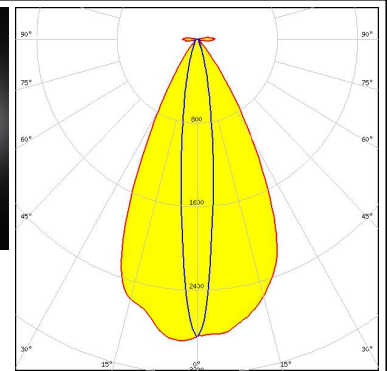
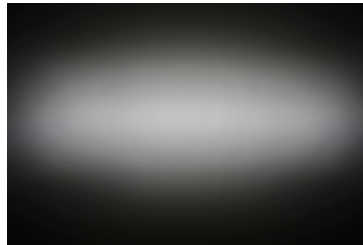
LED LH181A
 FWHM / FWTM 52.0 + 12.0° / 76.0 + 36.0°
 Efficiency 93 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

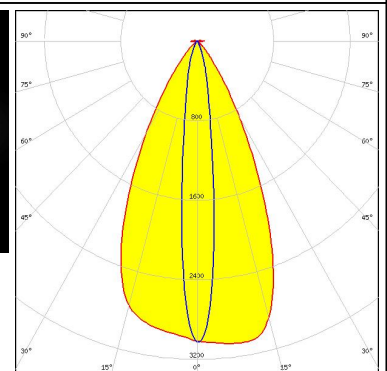
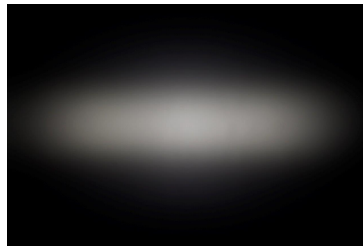
SAMSUNG

LED LH181B
 FWHM / FWTM 53.0 + 13.0° / 75.0 + 35.0°
 Efficiency 90 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



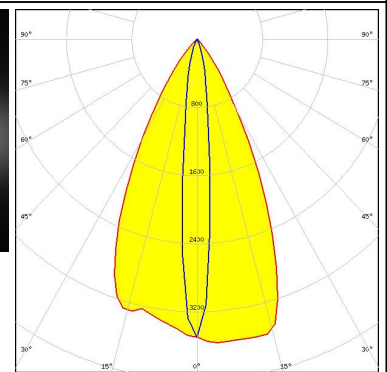
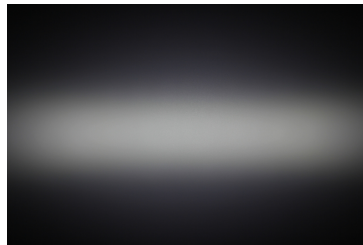
SAMSUNG

LED LH351B
 FWHM / FWTM 51.0 + 13.0° / 77.0 + 34.0°
 Efficiency 84 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



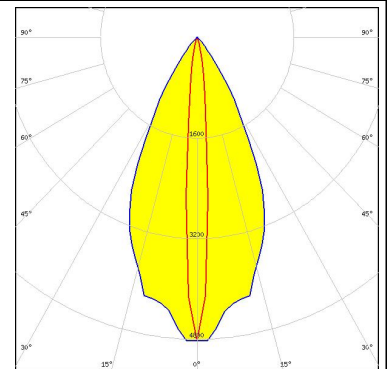
SAMSUNG

LED LH351Z
 FWHM / FWTM 54.0 + 12.0° / 78.0 + 32.0°
 Efficiency 83 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



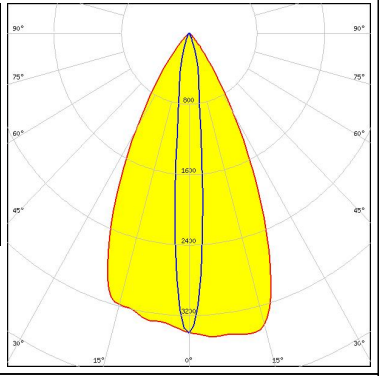
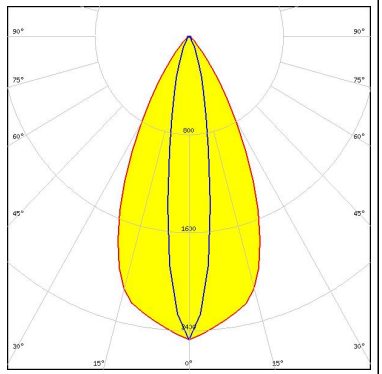


SEOUL SEMICONDUCTOR

LED Z5
 FWHM / FWTM 50.0 + 9.0° / 74.0 + 23.0°
 Efficiency 86 %
 Peak intensity 4.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



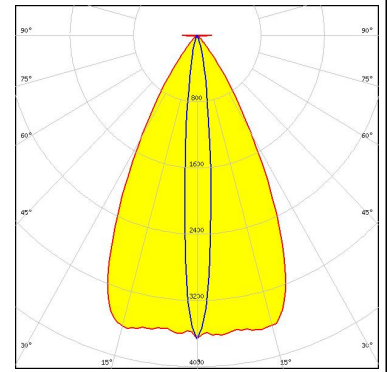
PHOTOMETRIC DATA (MEASURED):

<p> SEUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 53.0 + 11.0° / 77.0 + 32.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 3.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SHARP</p> <p>LED Double Dome (GM2BB)</p> <p>FWHM / FWTM 50.0 + 16.0° / 79.0 + 40.0°</p> <p>Efficiency 85 %</p> <p>Peak intensity 2.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

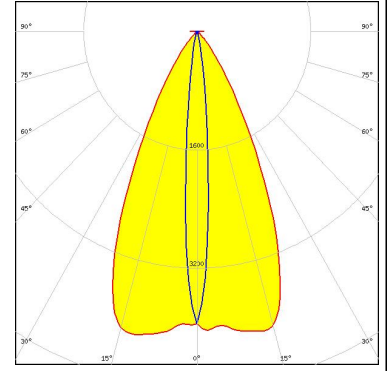
LUMILEDS

LED LUXEON 3030 HV
 FWHM / FWTM 55.0 + 11.0° / 78.0 + 28.0°
 Efficiency 90 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



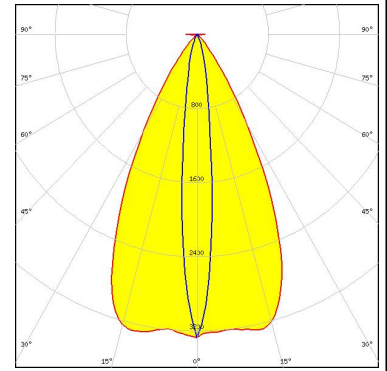
LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)
 FWHM / FWTM 52.0 + 10.0° / 76.0 + 20.0°
 Efficiency 87 %
 Peak intensity 4.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



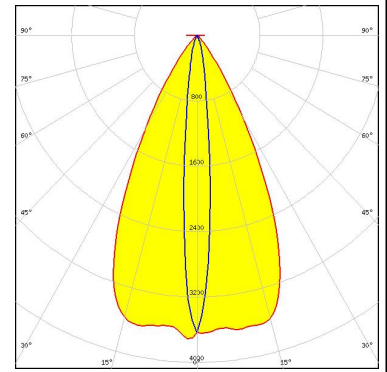
NICHIA

LED NF2x757G
 FWHM / FWTM 54.0 + 12.0° / 78.0 + 29.0°
 Efficiency 91 %
 Peak intensity 3.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

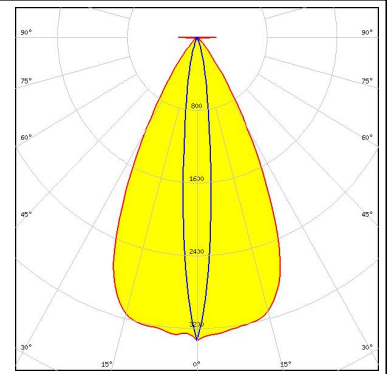
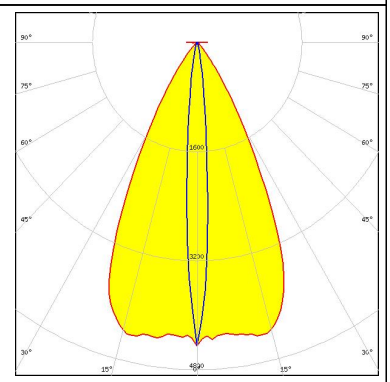
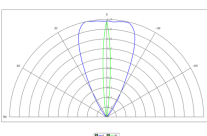
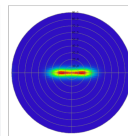
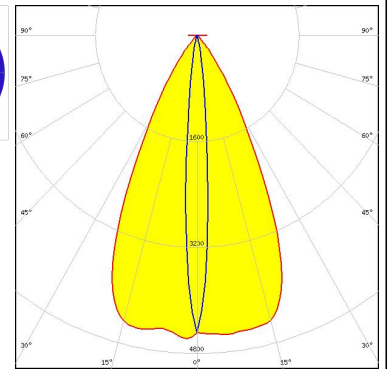


NICHIA


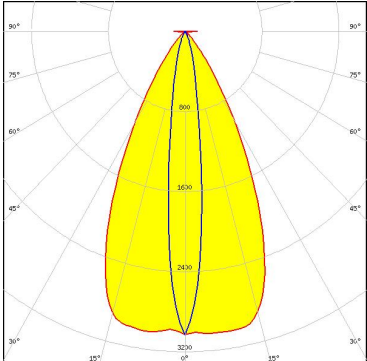

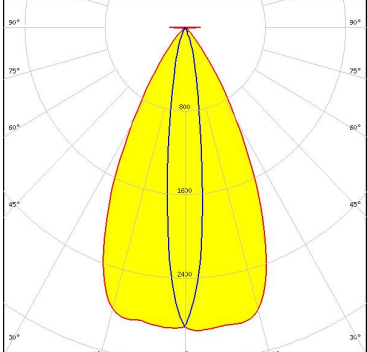
LED NFSx757G
 FWHM / FWTM 54.0 + 10.0° / 78.0 + 28.0°
 Efficiency 0 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 54.0 + 11.0° / 76.0 + 28.0° Efficiency 88 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSCONIQ P 3030 FWHM / FWTM 53.0 + 8.0° / 75.0 + 20.0° Efficiency 89 % Peak intensity 4.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSOLON Black Flat FWHM / FWTM 49.7 + 7.8° / 71.9 + 18.6° Efficiency 93 % Peak intensity 5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4716S FWHM / FWTM 52.0 + 9.0° / 74.0 + 19.0° Efficiency 93 % LEDs/each optic 1 Light colour IR Required components:</p>	 	

PHOTOMETRIC DATA (SIMULATED):

<p> SEUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 52.0 + 13.0° / 78.0 + 34.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p> SEUL SEMICONDUCTOR</p> <p>LED Z5M4</p> <p>FWHM / FWTM 54.0 + 14.0° / 78.0 + 34.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 2.9 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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