

VERONICA-O

~55° + 10° oval beam

SPECIFICATION:

Dimensions	Ø 26.0 mm
Height	12.2 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

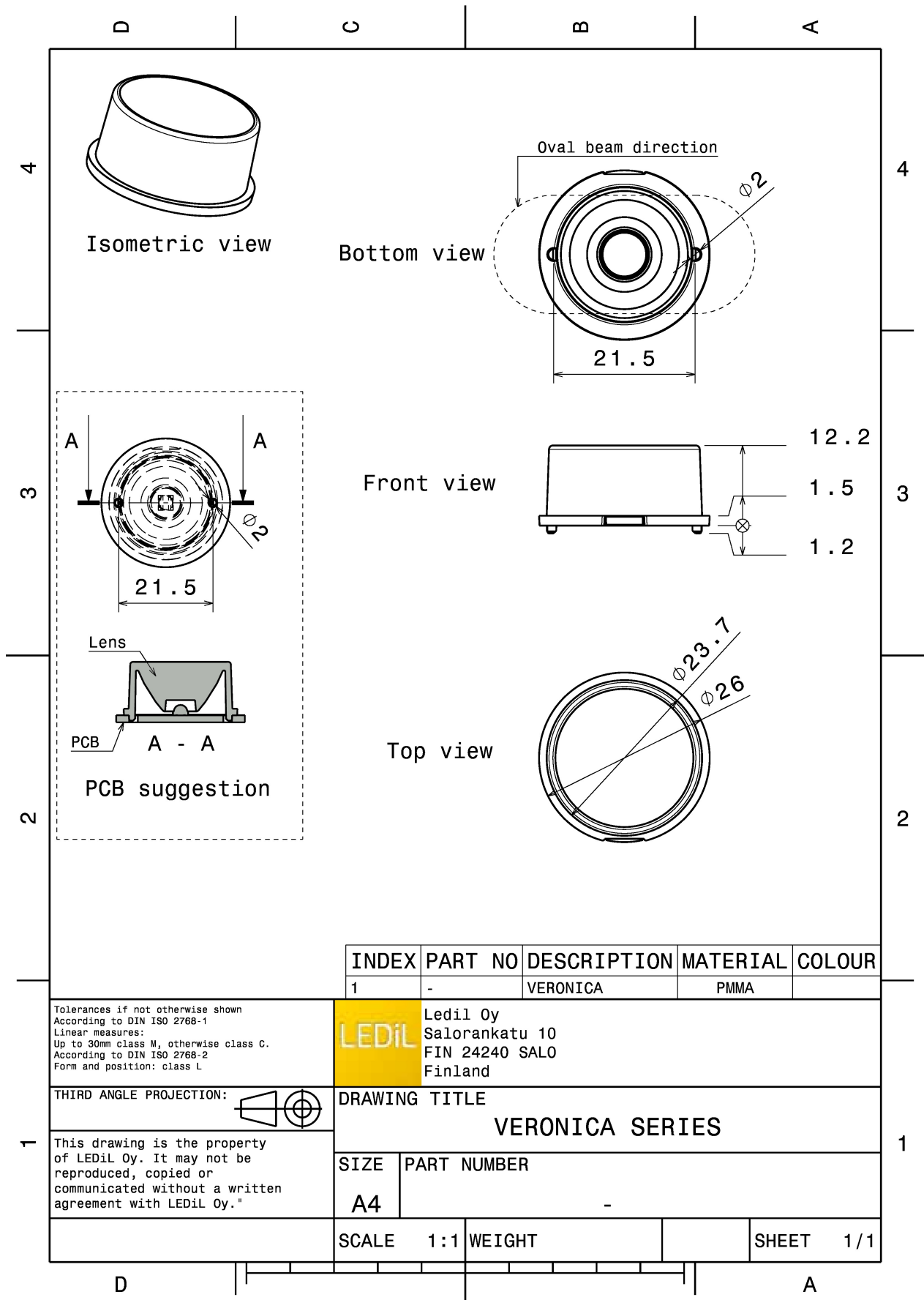
MATERIALS:

Component	Type	Material	Colour	Finish
VERONICA-O	Single lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C13529_VERONICA-O » Box size: 480 x 280 x 300 mm	2240	336	112	11.1





INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	-	VERONICA	PMMA	

Tolerances if not otherwise shown
 According to DIN ISO 2768-1
 Linear measures:
 Up to 30mm class M, otherwise class C.
 According to DIN ISO 2768-2
 Form and position: class L

LEDiL Ledil Oy
 Salorankatu 10
 FIN 24240 SALO
 Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
VERONICA SERIES

This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy."

SIZE	PART NUMBER
A4	-

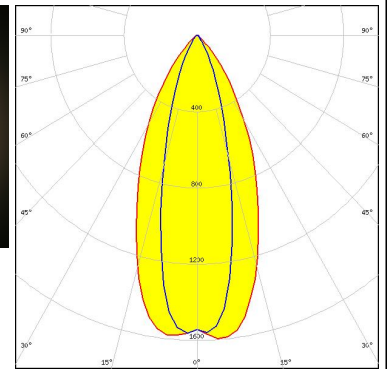
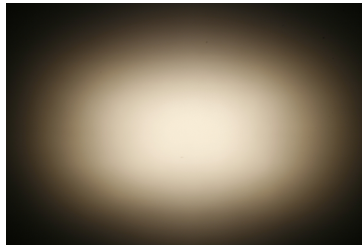
SCALE	1:1	WEIGHT	SHEET	1/1
-------	-----	--------	-------	-----

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

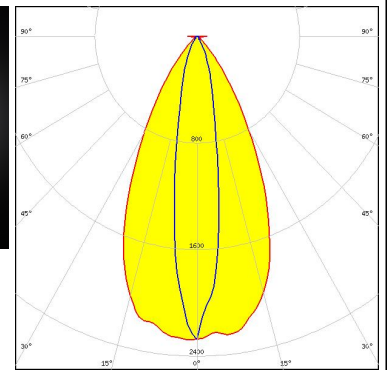
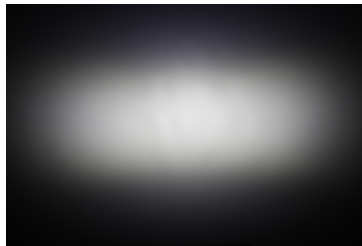
OPTICAL RESULTS (MEASURED):



LED MK-R
 FWHM / FWTM 48.0 + 28.0° / 85.0 + 58.0°
 Efficiency 80 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



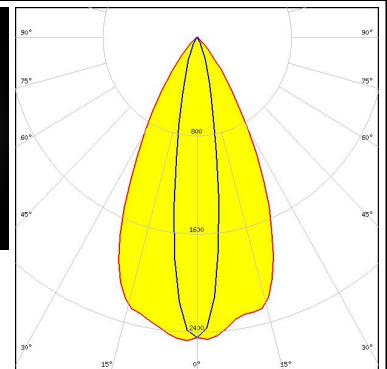
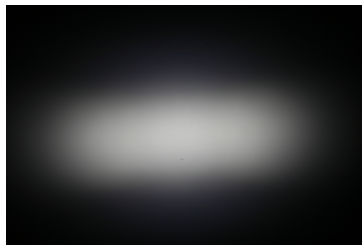
LED XHP35 HD
 FWHM / FWTM 52.0 + 19.0° / 84.0 + 44.0°
 Efficiency 80 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




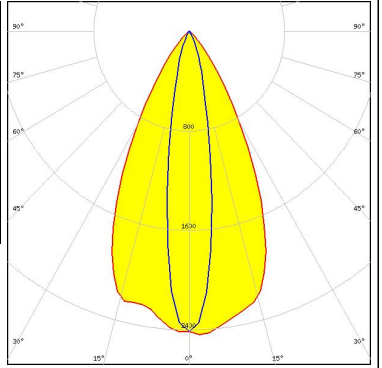

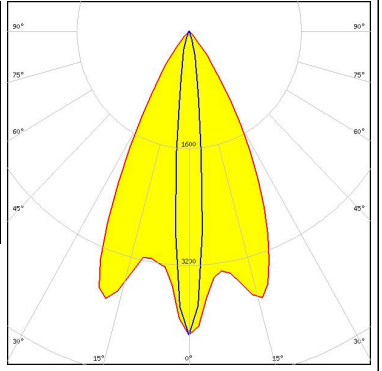

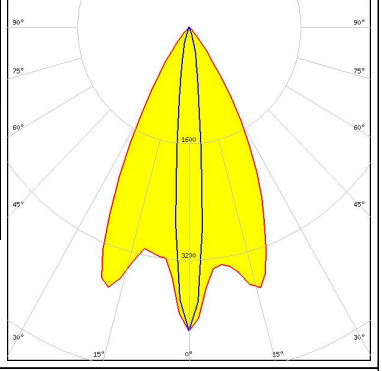

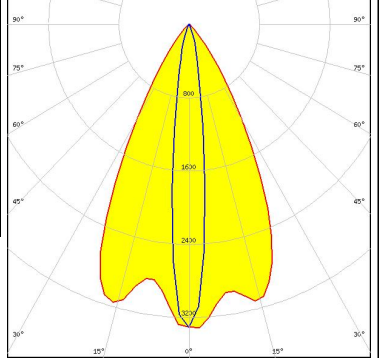
LED XHP35 HI
 FWHM / FWTM 53.0 + 16.0° / 82.0 + 38.0°
 Efficiency 82 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L
 FWHM / FWTM 54.0 + 18.0° / 81.0 + 40.0°
 Efficiency 83 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



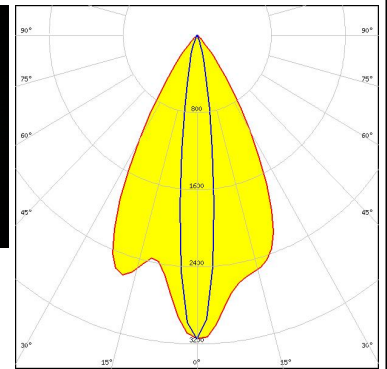
OPTICAL RESULTS (MEASURED):

<p>CREE LEDs</p> <p>LED XM-L2 FWHM / FWTM 54.0 + 18.0° / 81.0 + 41.0° Efficiency 82 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-E FWHM / FWTM 54.0 + 11.0° / 76.0 + 26.0° Efficiency 83 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-E2 FWHM / FWTM 54.0 + 11.0° / 76.0 + 27.0° Efficiency 84 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LEDs</p> <p>LED XP-G FWHM / FWTM 55.0 + 13.0° / 79.0 + 30.0° Efficiency 83 % Peak intensity 3.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

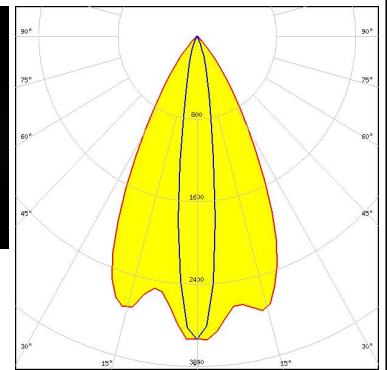
OPTICAL RESULTS (MEASURED):



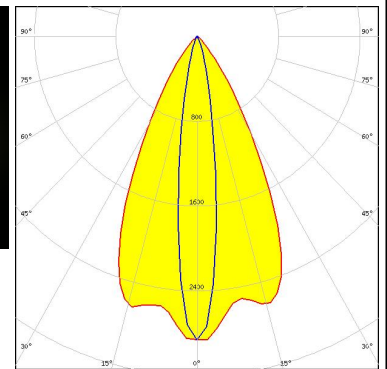
LED XP-G2
 FWHM / FWTM 55.0 + 13.0° / 78.0 + 30.0°
 Efficiency 84 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



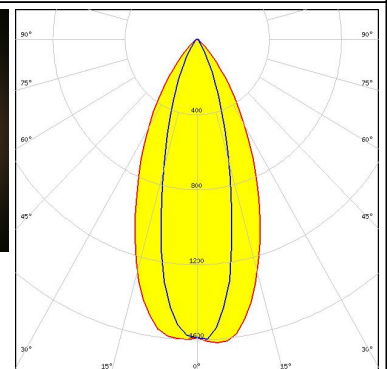
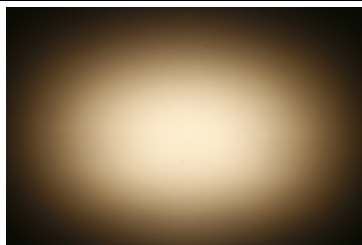
LED XT-E
 FWHM / FWTM 54.0 + 15.0° / 79.0 + 33.0°
 Efficiency 81 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON A
 FWHM / FWTM 54.0 + 15.0° / 79.0 + 33.0°
 Efficiency 82 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



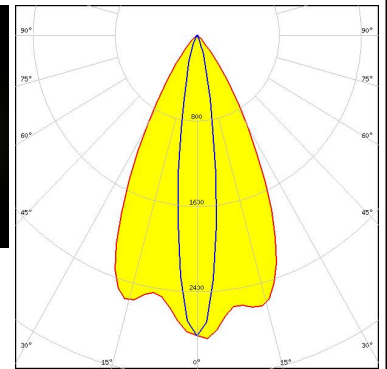
LED LUXEON M/MX
 FWHM / FWTM 49.0 + 28.0° / 84.0 + 57.0°
 Efficiency 79 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

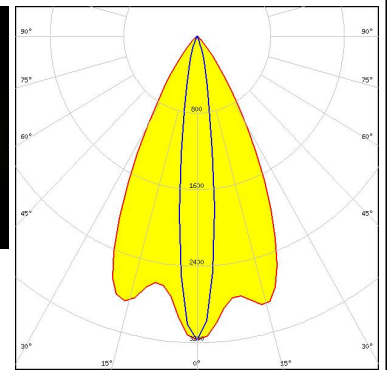
LUMILEDS

LED LUXEON R
 FWHM / FWTM 54.0 + 16.0° / 79.0 + 34.0°
 Efficiency 81 %
 Peak intensity 2.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



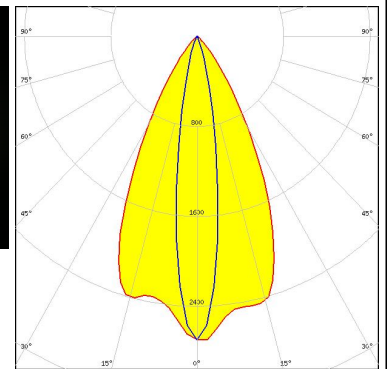
LUMILEDS

LED LUXEON Rebel
 FWHM / FWTM 54.0 + 14.0° / 78.0 + 31.0°
 Efficiency 82 %
 Peak intensity 3.2 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



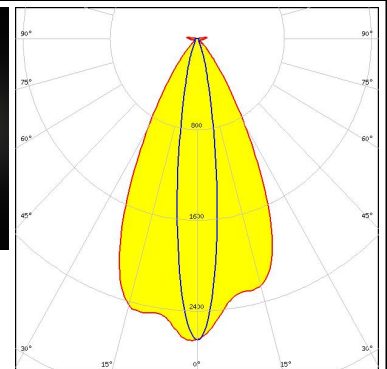
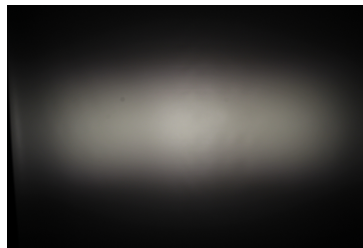
LUMILEDS

LED LUXEON Rebel ES
 FWHM / FWTM 54.0 + 17.0° / 80.0 + 34.0°
 Efficiency 81 %
 Peak intensity 2.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

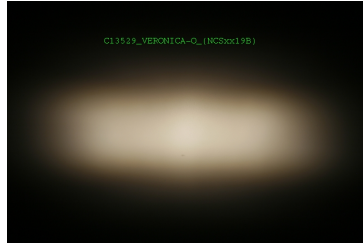
LED LUXEON V2
 FWHM / FWTM 52.0 + 16.0° / 78.0 + 36.0°
 Efficiency 90 %
 Peak intensity 2.7 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



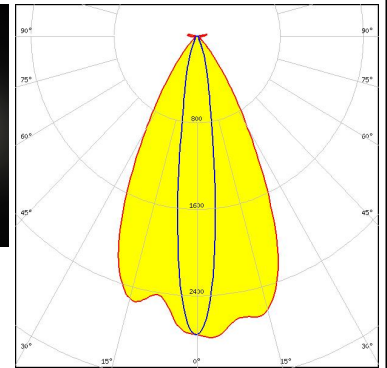
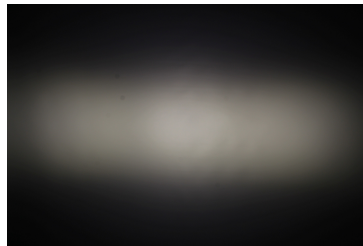
OPTICAL RESULTS (MEASURED):



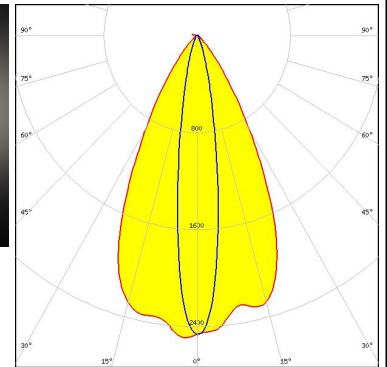
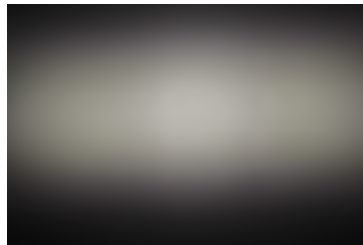
LED NCSxx19B
 FWHM / FWTM 52.0 + 15.0° / 80.0 + 32.0°
 Efficiency 80 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



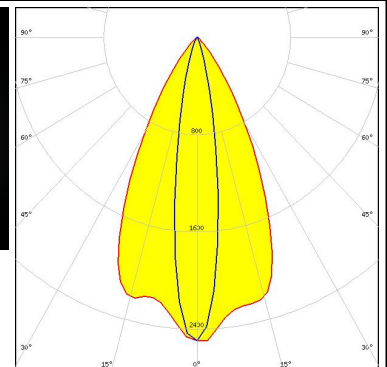
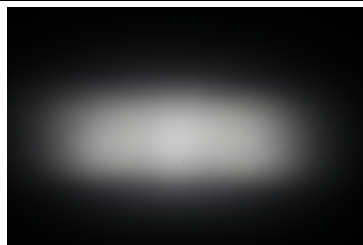
LED NVSW219F
 FWHM / FWTM 53.0 + 15.0° / 79.0 + 36.0°
 Efficiency 91 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




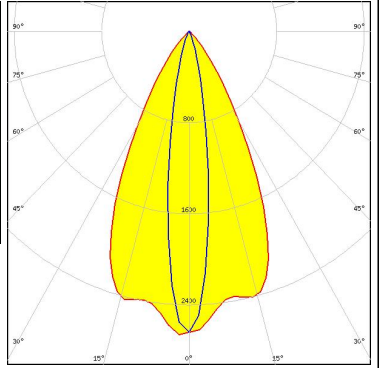

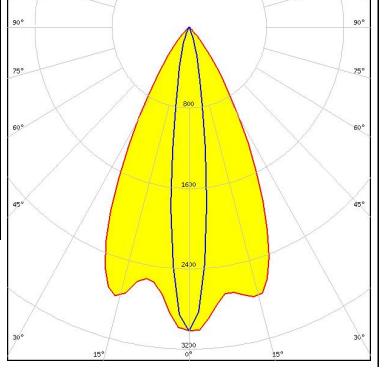

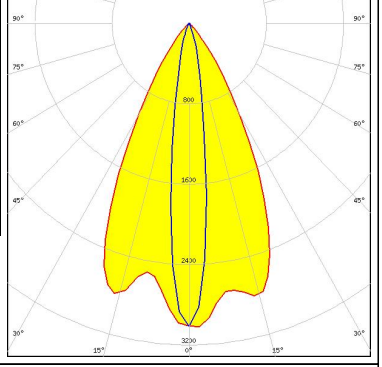

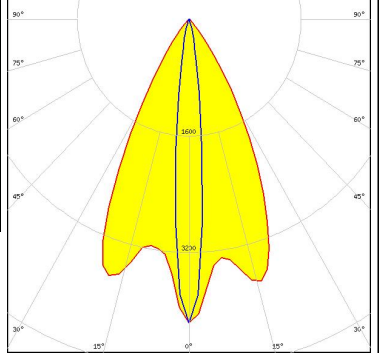
LED NVSW3x9A
 FWHM / FWTM 53.0 + 16.0° / 80.0 + 35.0°
 Efficiency 80 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19A
 FWHM / FWTM 53.0 + 18.0° / 80.0 + 36.0°
 Efficiency 79 %
 Peak intensity 2.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



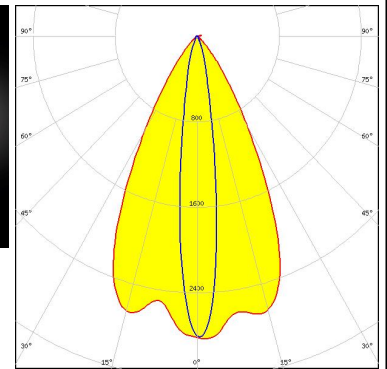
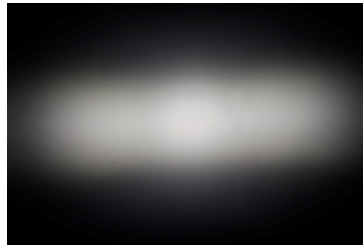
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 54.0 + 17.0° / 79.0 + 35.0° Efficiency 79 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square EC FWHM / FWTM 54.0 + 14.0° / 79.0 + 32.0° Efficiency 81 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square PC FWHM / FWTM 54.0 + 15.0° / 79.0 + 32.0° Efficiency 81 % Peak intensity 3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM SSL 150 FWHM / FWTM 54.0 + 11.0° / 76.0 + 24.0° Efficiency 83 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

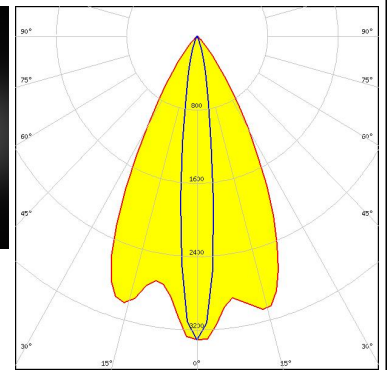
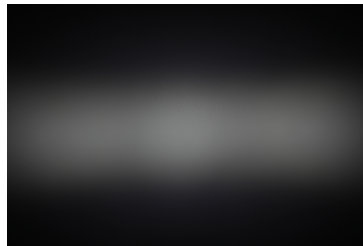
SAMSUNG

LED LH351B
 FWHM / FWTM 54.0 + 14.0° / 79.0 + 33.0°
 Efficiency 84 %
 Peak intensity 2.8 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:

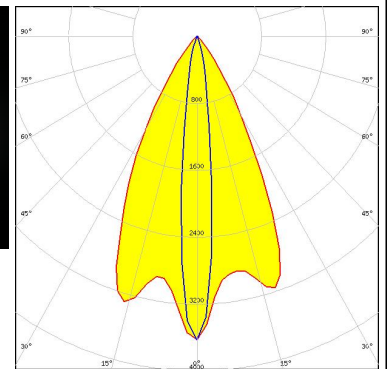


SAMSUNG

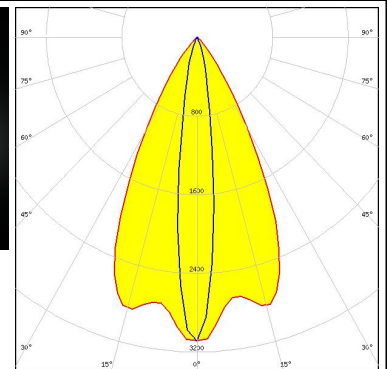
LED LH351Z
 FWHM / FWTM 54.0 + 13.0° / 78.0 + 31.0°
 Efficiency 83 %
 Peak intensity 3.3 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:





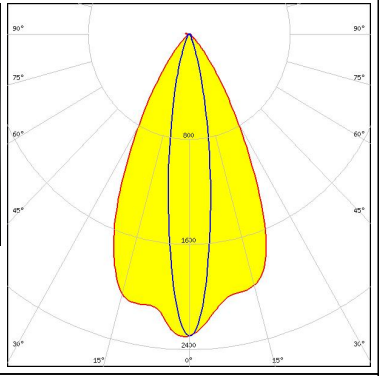


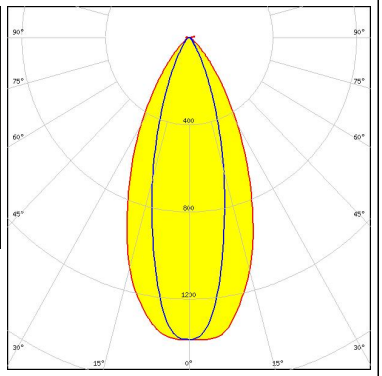
SEOUL SEMICONDUCTOR
 LED Z5
 FWHM / FWTM 54.0 + 13.0° / 77.0 + 28.0°
 Efficiency 83 %
 Peak intensity 3.6 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR
 LED Z5M1/Z5M2
 FWHM / FWTM 54.0 + 15.0° / 79.0 + 33.0°
 Efficiency 83 %
 Peak intensity 3.1 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

<p> SEOL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 52.0 + 17.0° / 79.0 + 37.0°</p> <p>Efficiency 77 %</p> <p>Peak intensity 2.3 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOL SEMICONDUCTOR</p> <p>LED Z8Y50P</p> <p>FWHM / FWTM 48.0 + 29.0° / 84.0 + 58.0°</p> <p>Efficiency 73 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (SIMULATED):

OSRAM <small>Opto Semiconductors</small>	LED OSLON Square CSSRM2/CSSRM3	
FWHM / FWTM	57.0 + 11.0° / 80.0 + 26.0°	
Efficiency	92 %	
Peak intensity	3.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
SEOL <small>SEOL SEMICONDUCTOR</small>	LED MJT 3030	
FWHM / FWTM	56.0 + 12.0° / 78.0 + 28.0°	
Efficiency	90 %	
Peak intensity	3.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
SEOL <small>SEOL SEMICONDUCTOR</small>	LED MJT 5050	
FWHM / FWTM	50.0 + 30.0° / 87.0 + 68.0°	
Efficiency	78 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
SEOL <small>SEOL SEMICONDUCTOR</small>	LED Z5M4	
FWHM / FWTM	54.0 + 14.0° / 80.0 + 32.0°	
Efficiency	90 %	
Peak intensity	2.8 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		