

G2-LXP2-O-90-P

~10° x 40° oval beam optimized for CREE XP-E.
14.7 mm high assembly with installation tape.
Variant with beam direction rotated 90°. Variant
with thin holder with pins.

SPECIFICATION:

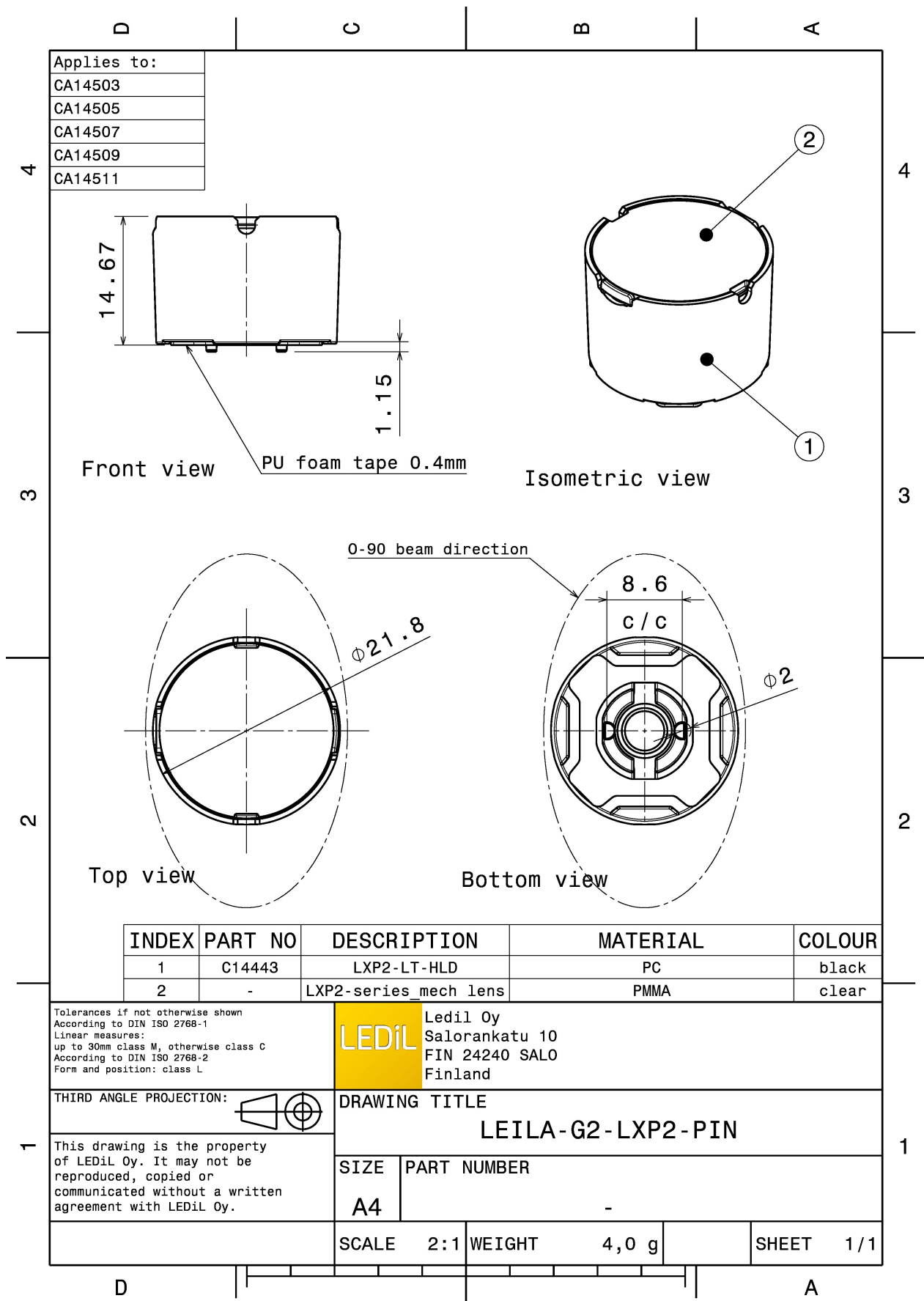
Dimensions	Ø 21.8 mm
Height	14.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

**MATERIALS:**

Component	Type	Material	Colour	Finish
LXP2-O-90	Single lens	PMMA	clear	
LXP2-LT-HLD	Holder	PC	black	
HEIDI-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14511_G2-LXP2-O-90-P	Single lens	1680	336	112	0.0
» Box size:					

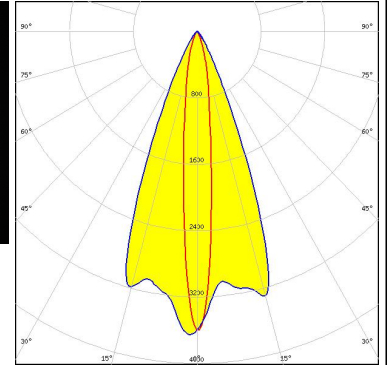


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

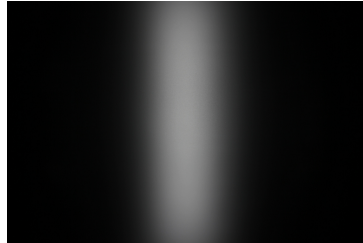
CREE LED

LED XD16
FWHM / FWTM 11.0 + 43.0° / 34.0 + 61.0°
Efficiency 78 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



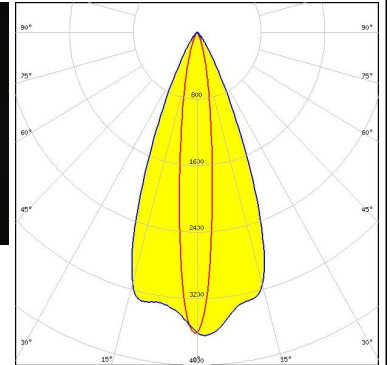
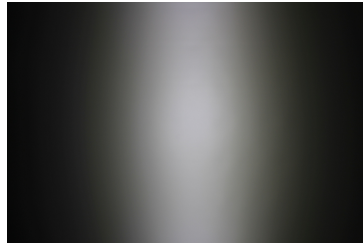
CREE LED

LED XP-E
FWHM / FWTM 9.0 + 41.0° / 20.0 + 60.0°
Efficiency 89 %
Peak intensity 6.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



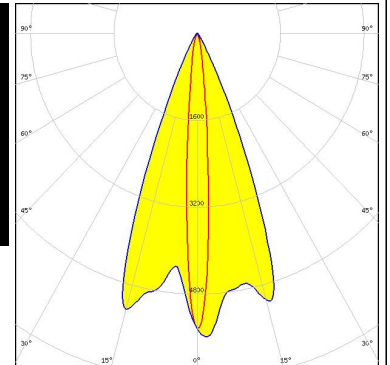
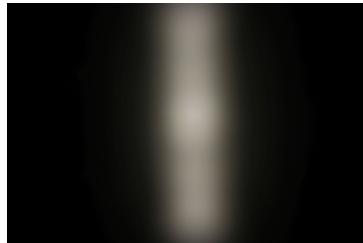
CREE LED

LED XP-G3
FWHM / FWTM 13.0 + 43.0° / 34.0 + 64.0°
Efficiency 84 %
Peak intensity 3.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



CREE LED

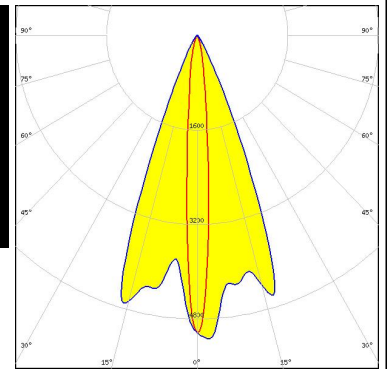
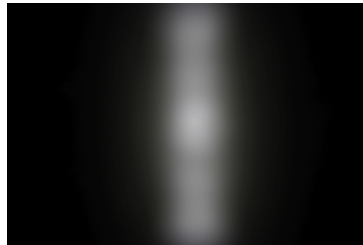
LED XQ-E HD
FWHM / FWTM 9.0 + 43.0° / 21.0 + 57.0°
Efficiency 85 %
Peak intensity 5.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



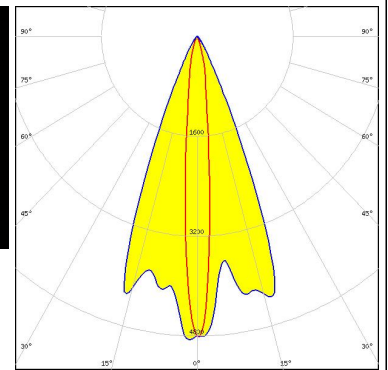
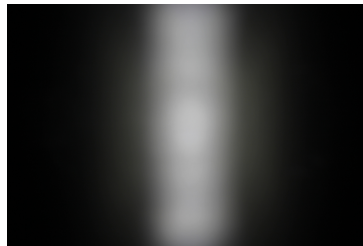
OPTICAL RESULTS (MEASURED):



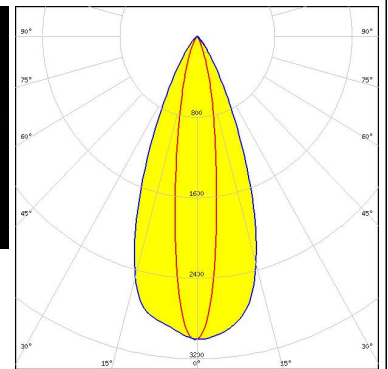
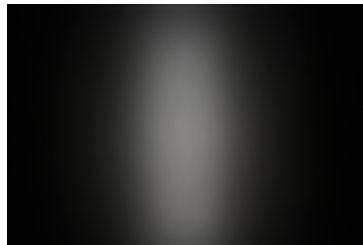
LED XQ-E HI
FWHM / FWTM 9.0 + 43.0° / 24.0 + 57.0°
Efficiency 82 %
Peak intensity 5.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



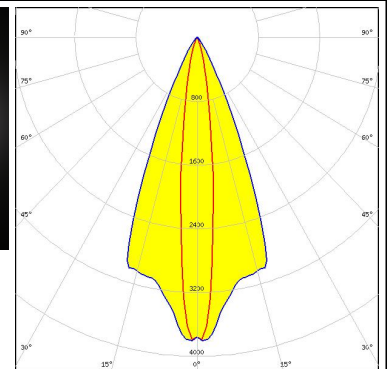
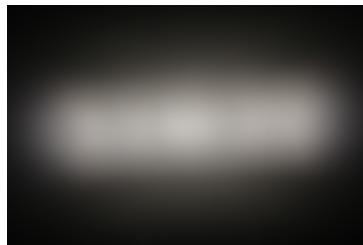
LED LUXEON CZ
FWHM / FWTM 10.0 + 43.0° / 28.0 + 58.0°
Efficiency 86 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON V
FWHM / FWTM 16.0 + 43.0° / 39.0 + 68.0°
Efficiency 85 %
Peak intensity 3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



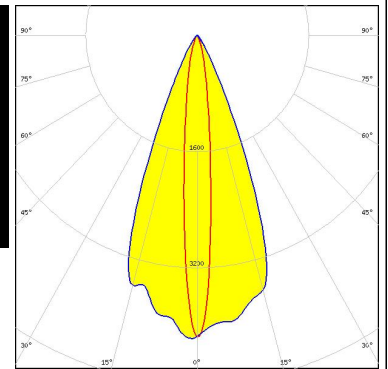
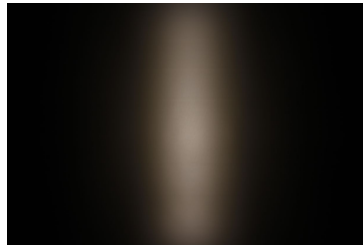
LED LUXEON Z ES
FWHM / FWTM 13.0 + 44.0° / 31.0 + 61.0°
Efficiency 82 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



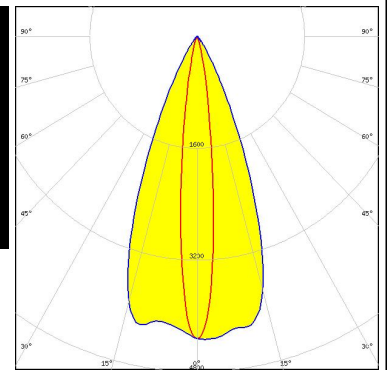
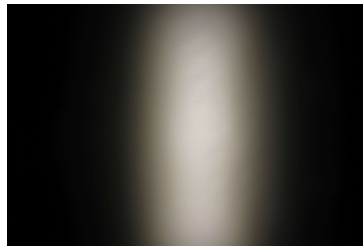
OPTICAL RESULTS (MEASURED):



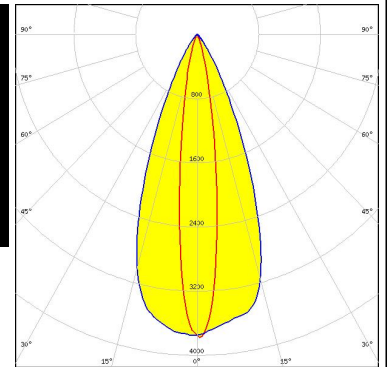
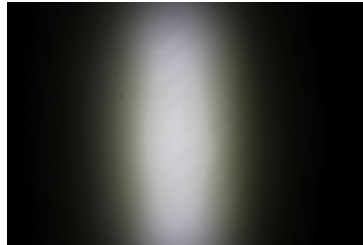
LED NCSxx19A
FWHM / FWTM 11.0 + 43.0° / 30.0 + 61.0°
Efficiency 84 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



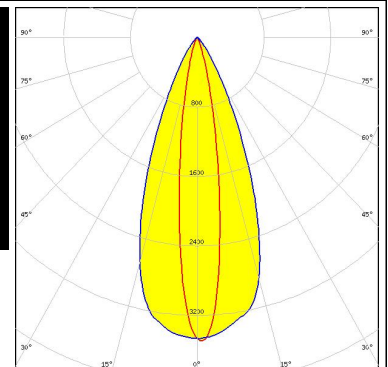
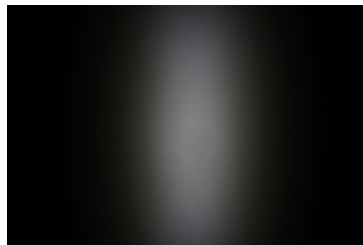
LED NVSW219F
FWHM / FWTM 13.0 + 43.0° / 26.0 + 63.0°
Efficiency 89 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED NVSW319B
FWHM / FWTM 15.0 + 43.0° / 31.0 + 66.0°
Efficiency 88 %
Peak intensity 3.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



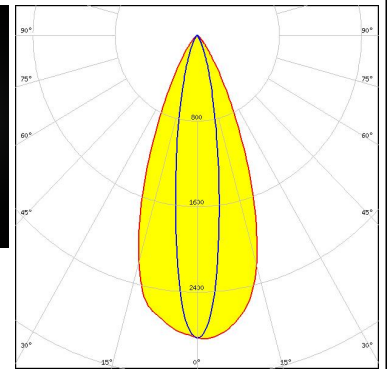
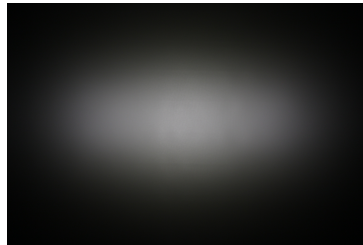
LED NVSW519A
FWHM / FWTM 16.0 + 43.0° / 33.0 + 67.0°
Efficiency 87 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



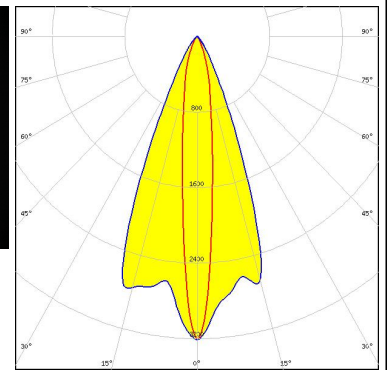
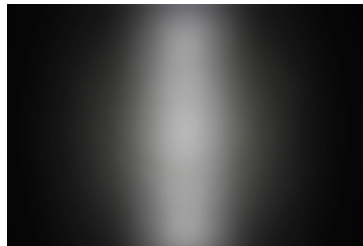
OPTICAL RESULTS (MEASURED):



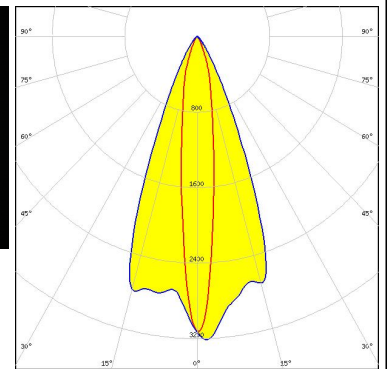
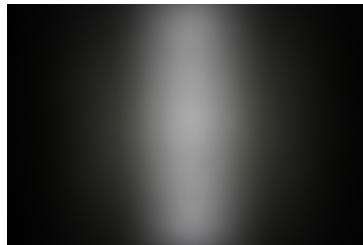
LED NWSx229A
FWHM / FWTM 17.0 + 42.0° / 41.0 + 69.0°
Efficiency 83 %
Peak intensity 2.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LH181A
FWHM / FWTM 12.0 + 43.0° / 40.0 + 63.0°
Efficiency 78 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

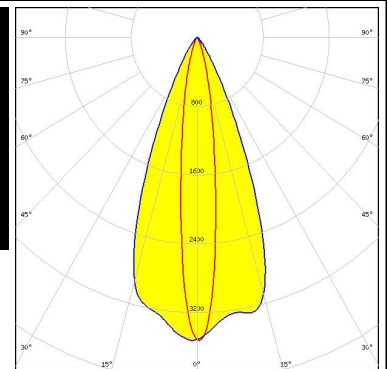
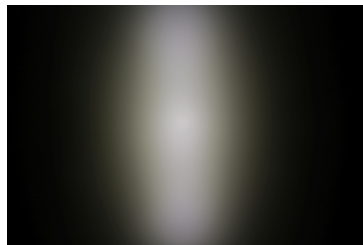


LED LH181B
FWHM / FWTM 13.0 + 43.0° / 41.0 + 64.0°
Efficiency 81 %
Peak intensity 3.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

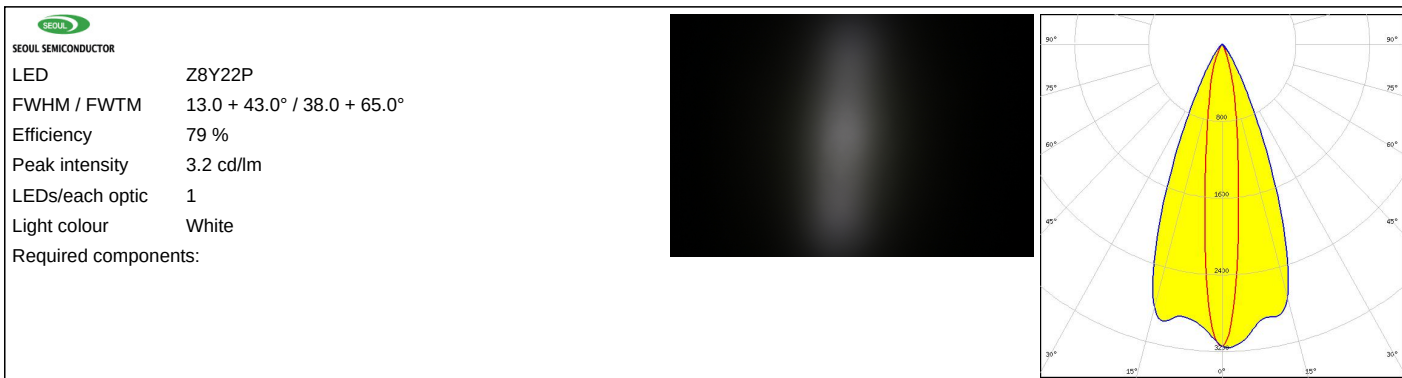


SEOUL SEMICONDUCTOR

LED Z5M3
FWHM / FWTM 14.0 + 43.0° / 34.0 + 65.0°
Efficiency 85 %
Peak intensity 3.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



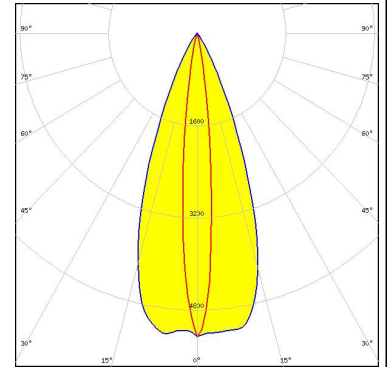
OPTICAL RESULTS (MEASURED):



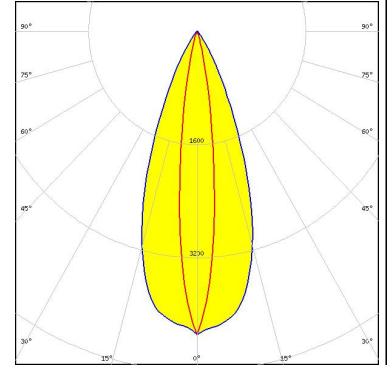
OPTICAL RESULTS (SIMULATED):



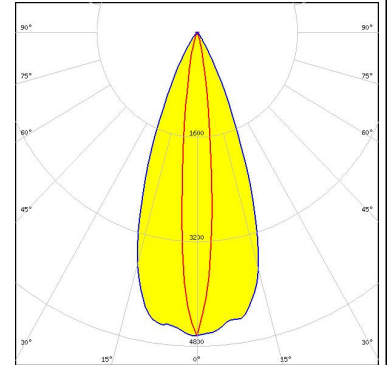
LED XP-G2
FWHM / FWTM 11.0 + 41.0° / 23.0 + 61.0°
Efficiency 91 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



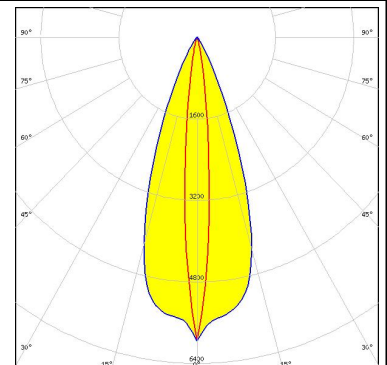
LED XP-G2 HE
FWHM / FWTM 14.0 + 40.0° / 28.0 + 64.0°
Efficiency 89 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XT-E
FWHM / FWTM 12.0 + 41.0° / 26.0 + 62.0°
Efficiency 88 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



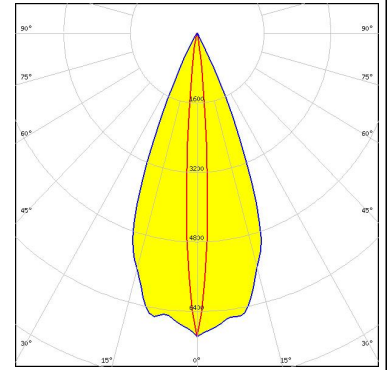
LED LUXEON C
FWHM / FWTM 10.0 + 37.0° / 20.0 + 59.0°
Efficiency 95 %
Peak intensity 6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

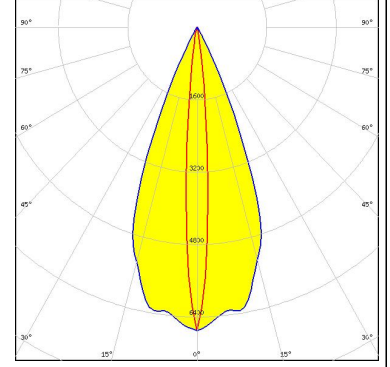
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 8.0 + 42.0° / 16.0 + 56.0°
Efficiency 92 %
Peak intensity 7 cd/Im
LEDs/each optic 1
Light colour Red
Required components:



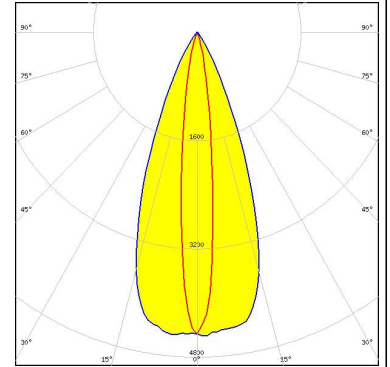
LUMILEDS

LED LUXEON CZ
FWHM / FWTM 8.0 + 42.0° / 18.0 + 56.0°
Efficiency 92 %
Peak intensity 6.7 cd/Im
LEDs/each optic 1
Light colour PC Amber
Required components:



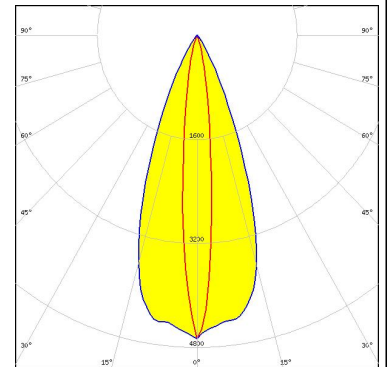
LUMILEDS

LED LUXEON T
FWHM / FWTM 12.0 + 41.0° / 27.0 + 63.0°
Efficiency 90 %
Peak intensity 4.6 cd/Im
LEDs/each optic 1
Light colour White
Required components:



LUMILEDS

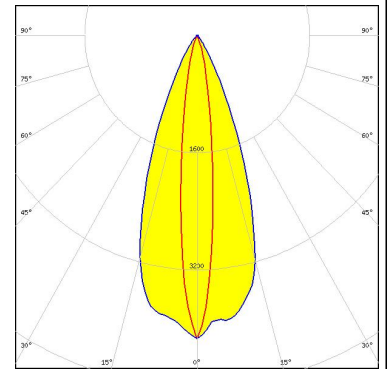
LED LUXEON TX
FWHM / FWTM 11.0 + 40.0° / 27.0 + 62.0°
Efficiency 89 %
Peak intensity 4.7 cd/Im
LEDs/each optic 1
Light colour White
Required components:



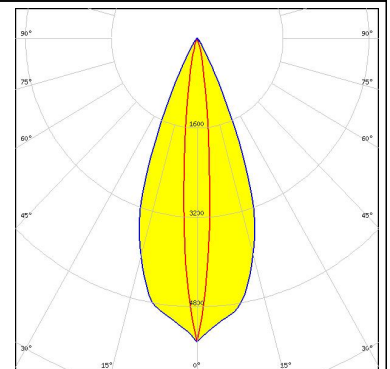
OPTICAL RESULTS (SIMULATED):



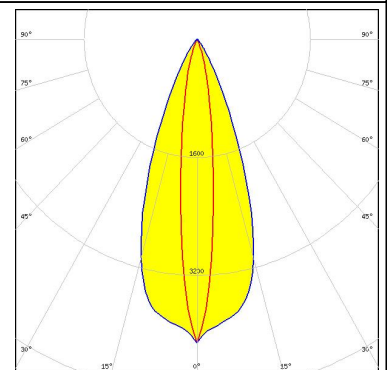
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 13.0 + 40.0° / 30.0 + 63.0°
 Efficiency 86 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



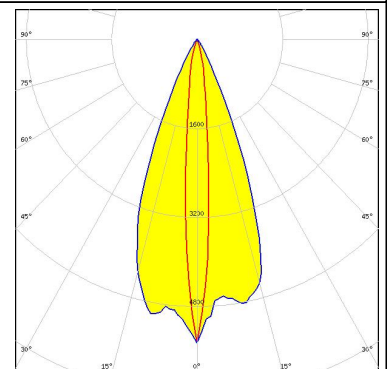
LED OSCONIQ P 3030
 FWHM / FWTM 10.0 + 42.0° / 24.0 + 58.0°
 Efficiency 92 %
 Peak intensity 5.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSCONIQ P 3737 Flat
 FWHM / FWTM 12.0 + 40.0° / 34.0 + 63.0°
 Efficiency 90 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLON Black Flat
 FWHM / FWTM 9.0 + 42.0° / 26.0 + 59.0°
 Efficiency 89 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

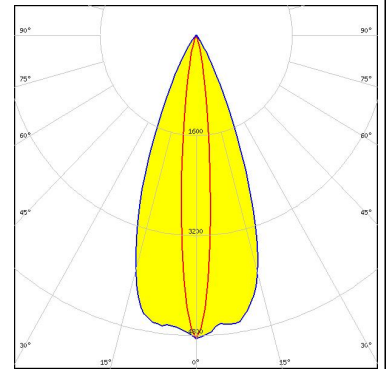


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

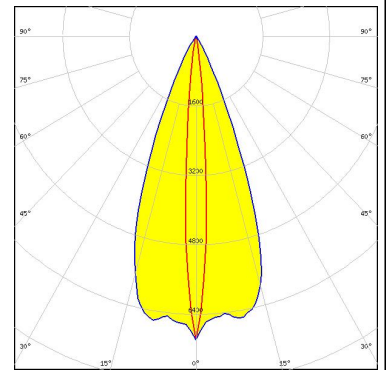
LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 11.0 + 41.0° / 26.0 + 62.0°
Efficiency 90 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

Opto Semiconductors

LED OSLOM SSL 80
FWHM / FWTM 8.0 + 41.0° / 16.0 + 58.0°
Efficiency 90 %
Peak intensity 7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



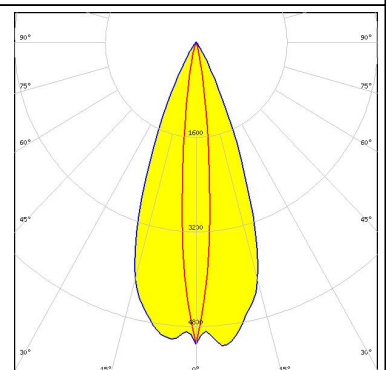
OSRAM

Opto Semiconductors

LED SFH 4770S
FWHM / FWTM 12.0 + 41.0° / 35.0 + 60.0°
Efficiency 82 %
LEDs/each optic 1
Light colour White
Required components:

SAMSUNG

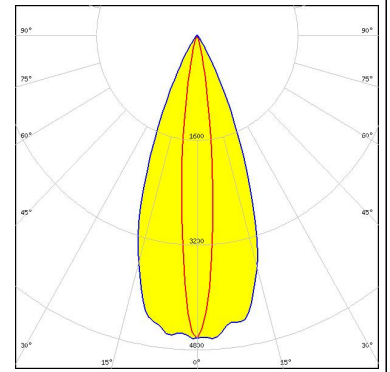
LED LH351A
FWHM / FWTM 11.0 + 41.0° / 22.0 + 60.0°
Efficiency 89 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

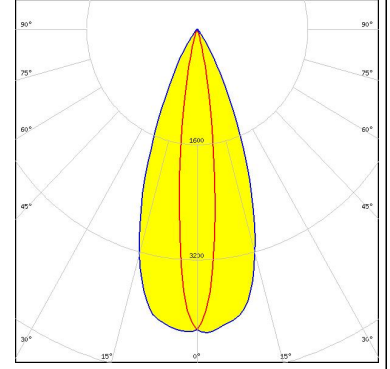
SAMSUNG

LED LH351B
FWHM / FWTM 12.0 + 41.0° / 25.0 + 61.0°
Efficiency 89 %
Peak intensity 4.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



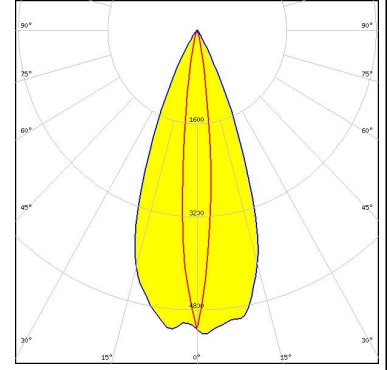
SAMSUNG

LED LH351C
FWHM / FWTM 14.0 + 41.0° / 28.0 + 64.0°
Efficiency 89 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



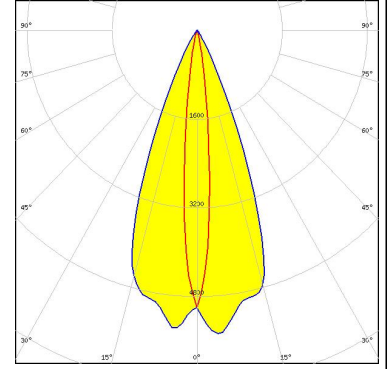
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM / FWTM 11.0 + 41.0° / 23.0 + 59.0°
Efficiency 91 %
Peak intensity 5.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z5P
FWHM / FWTM 9.0 + 42.0° / 22.0 + 58.0°
Efficiency 90 %
Peak intensity 5.5 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy

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[www.ledil.com/
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Shipping locations

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Hong Kong, China

Distribution Partners

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