

G2-LXP2-D-P

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

SPECIFICATION:

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

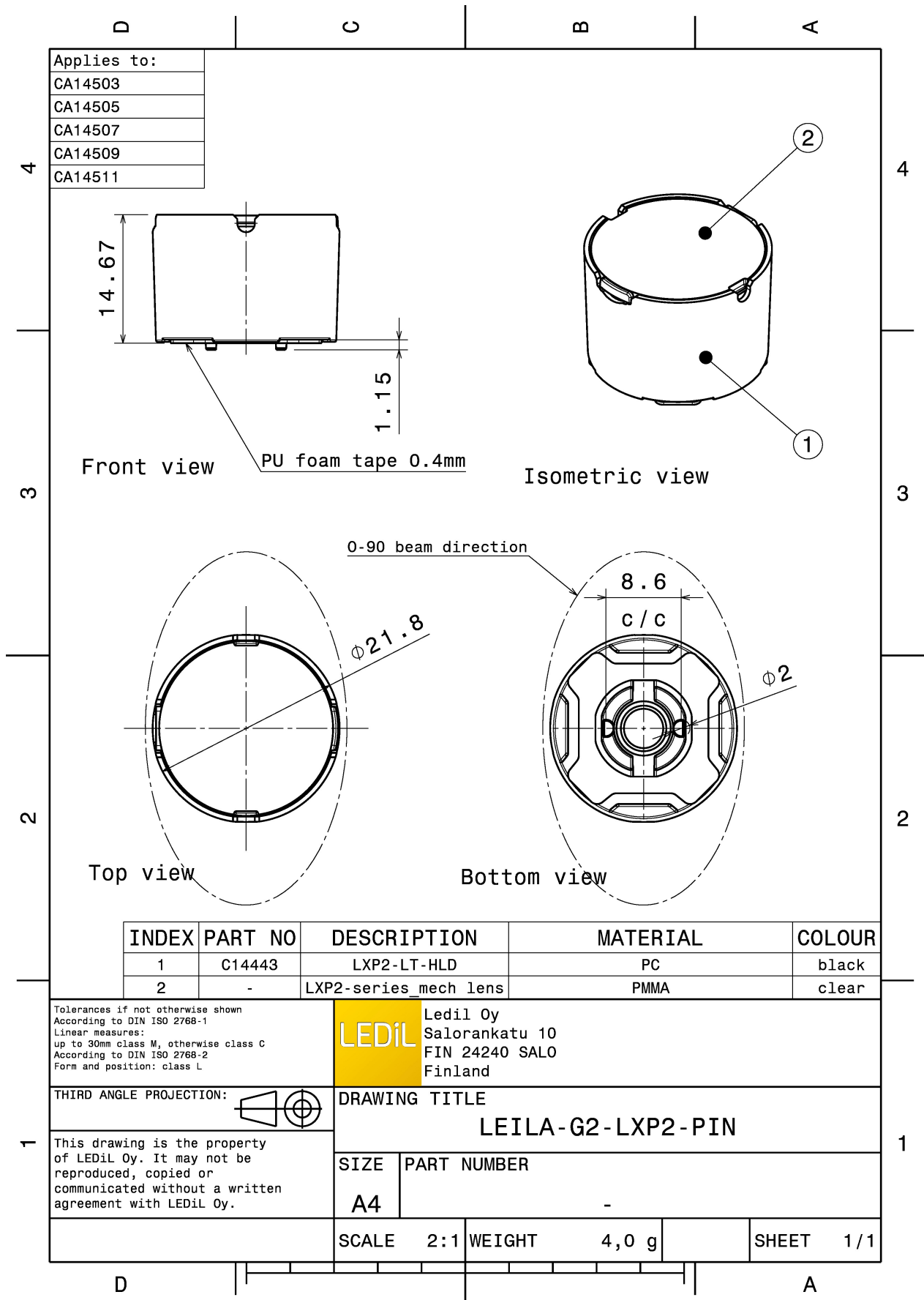


MATERIALS:

Component	Type	Material	Colour	Finish
LXP2-D	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)
CA14507_G2-LXP2-D-P	Single lens	1680		112	8.3
» Box size: 480 x 280 x 300 mm					



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14443	LXP2-LT-HLD	PC	black
2	-	LXP2-series_mech lens	PMMA	clear

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
LEILA-G2-LXP2-PIN


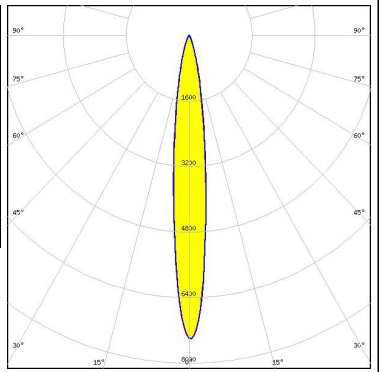

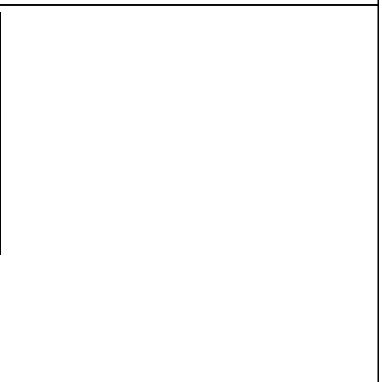

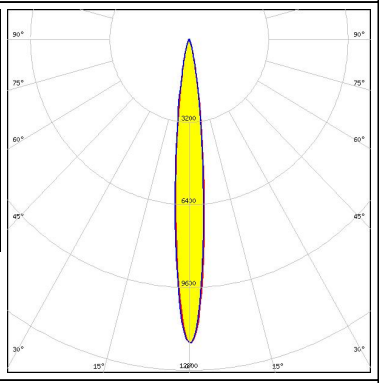
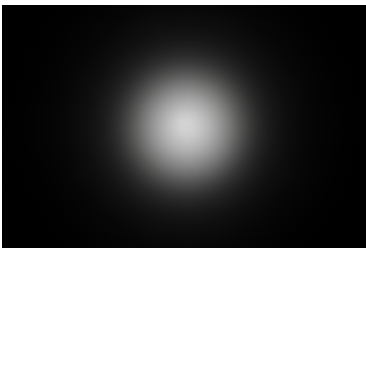
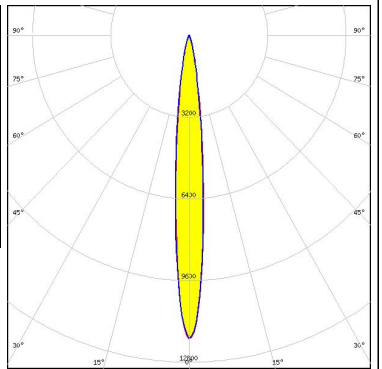
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SIZE	PART NUMBER
A4	-

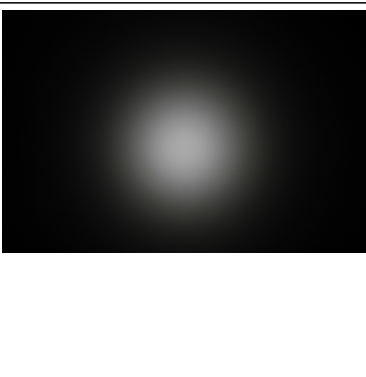
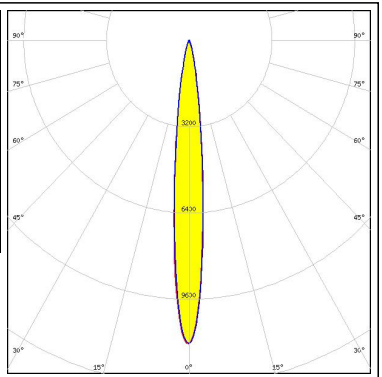

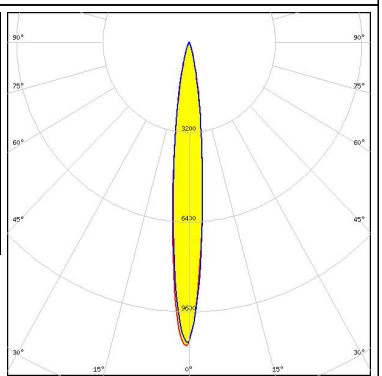

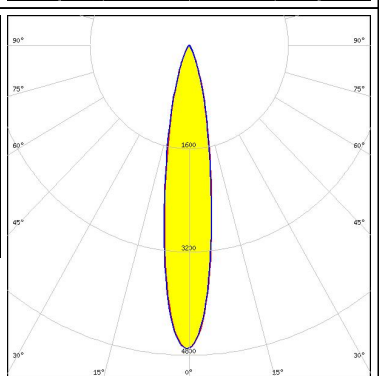

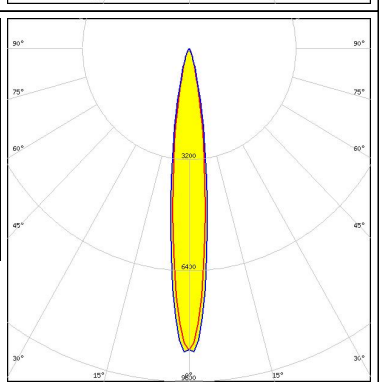
SCALE	2:1	WEIGHT	4,0 g	SHEET	1/1
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See also our general installation guide: www.ledil.com/installation_guide


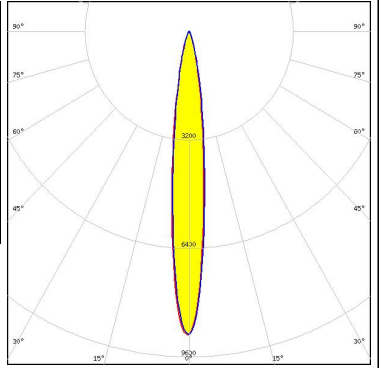

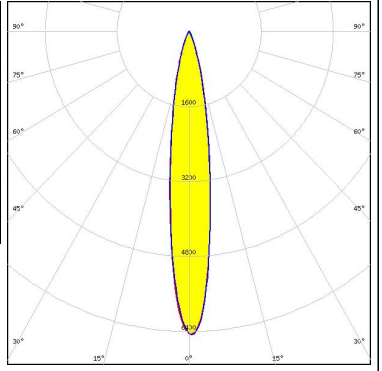
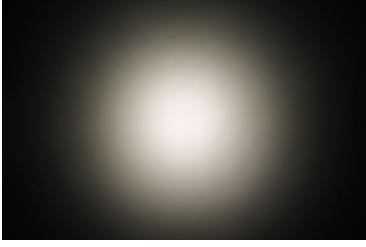
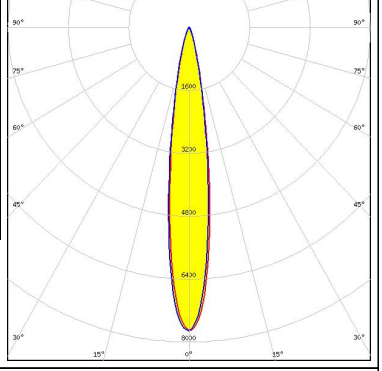

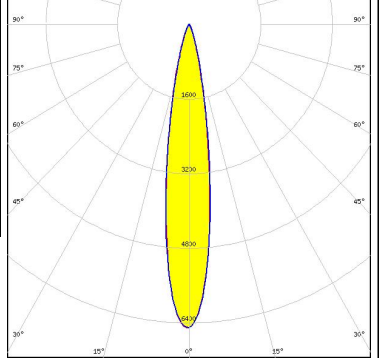
OPTICAL RESULTS (MEASURED):

<p>CREE → LED</p> <p>LED XD16 FWHM / FWTM 13.0° / 32.0° Efficiency 78 % Peak intensity 7.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XP-E FWHM / FWTM 9.7° / 22.0° Efficiency 88 % Peak intensity 19.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XQ-E HD FWHM / FWTM 11.0° / 25.0° Efficiency 85 % Peak intensity 11.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE → LED</p> <p>LED XQ-E HI FWHM / FWTM 11.0° / 25.0° Efficiency 84 % Peak intensity 12 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		


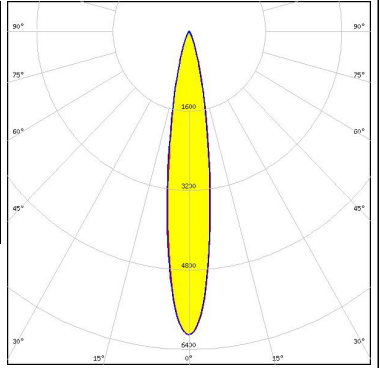

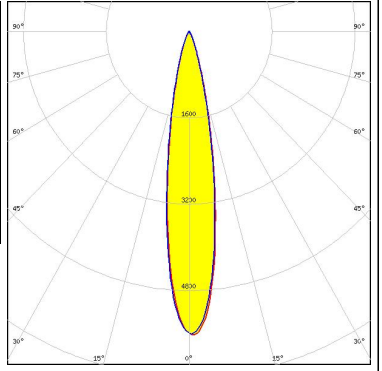
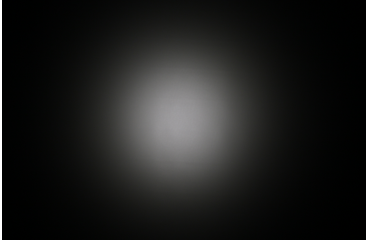
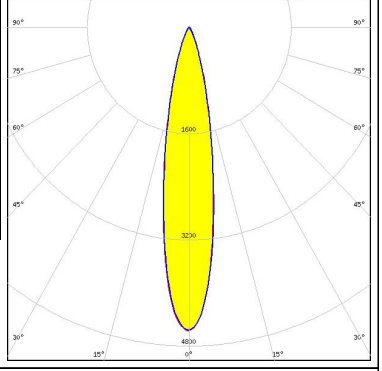

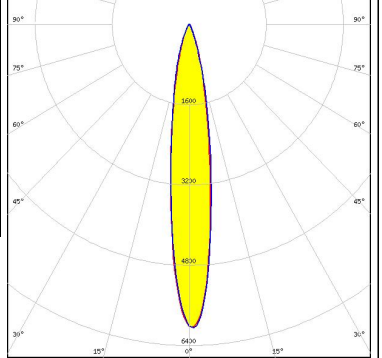
OPTICAL RESULTS (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON C</p> <p>FWHM / FWTM 11.0° / 25.0°</p> <p>Efficiency 80 %</p> <p>Peak intensity 11 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 12.0° / 28.0°</p> <p>Efficiency 86 %</p> <p>Peak intensity 10.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON V</p> <p>FWHM / FWTM 18.0° / 41.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON Z ES</p> <p>FWHM / FWTM 14.0° / 31.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 8.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19A FWHM / FWTM 13.0° / 30.0° Efficiency 86 % Peak intensity 9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NF2x757G FWHM / FWTM 16.0° / 37.0° Efficiency 88 % Peak intensity 6.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW219F FWHM / FWTM 15.0° / 32.0° Efficiency 87 % Peak intensity 7.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 17.0° / 35.0° Efficiency 87 % Peak intensity 6.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

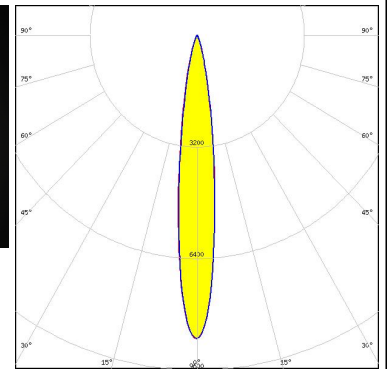
OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>LED NVSW3x9A FWHM / FWTM 17.0° / 36.0° Efficiency 81 % Peak intensity 6.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSW519A FWHM / FWTM 19.0° / 38.0° Efficiency 86 % Peak intensity 5.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NWSx229A FWHM / FWTM 29.0° / 42.0° Efficiency 83 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S5 (Single chip) FWHM / FWTM 16.0° / 38.0° Efficiency 86 % Peak intensity 6.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

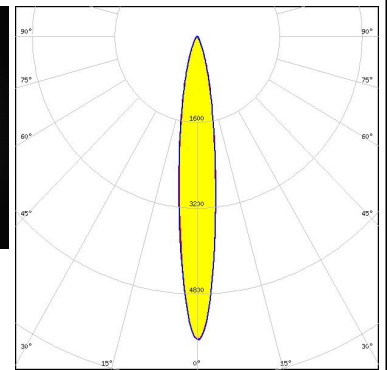
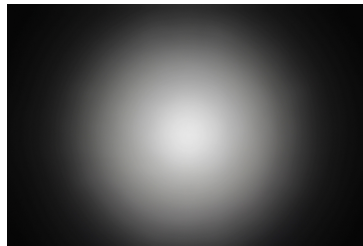
OSRAM
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 14.0° / 31.0°
 Efficiency 88 %
 Peak intensity 8.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



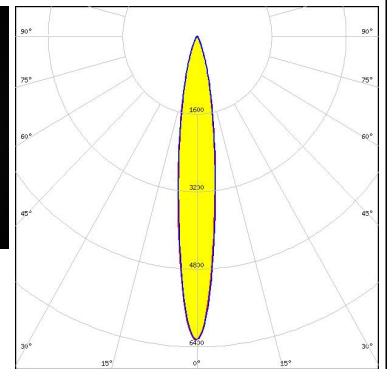
SAMSUNG

LED LH181A
 FWHM / FWTM 15.0° / 37.0°
 Efficiency 78 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

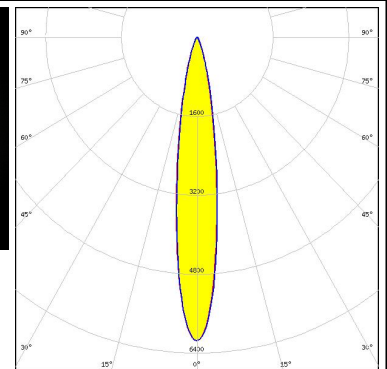
LED LH181B
 FWHM / FWTM 15.0° / 37.0°
 Efficiency 82 %
 Peak intensity 6.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



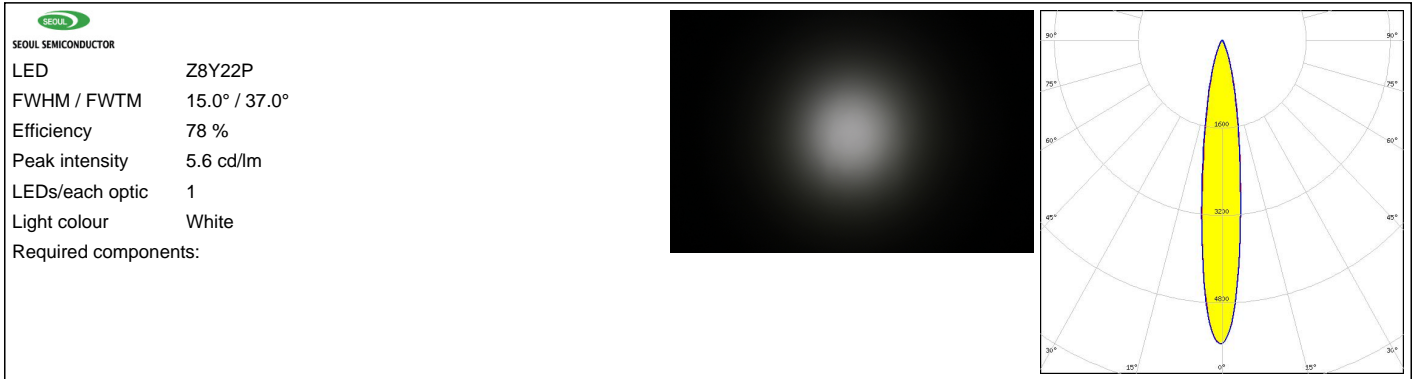
SEOUL

SEOUL SEMICONDUCTOR

LED Z5M3
 FWHM / FWTM 16.0° / 36.0°
 Efficiency 84 %
 Peak intensity 6.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




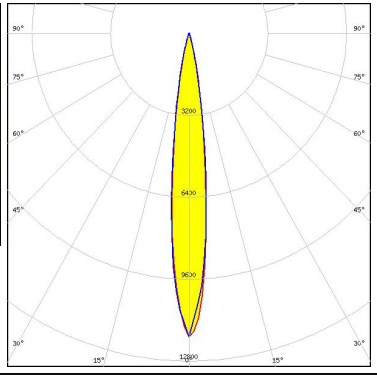
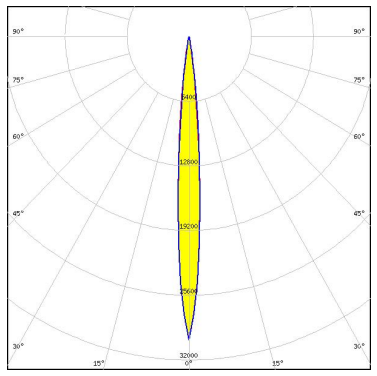
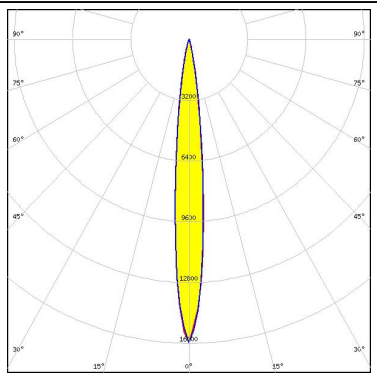
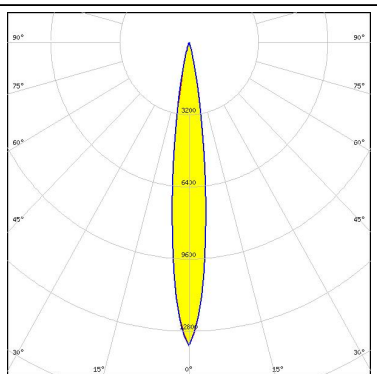
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED J Series 2835 FWHM / FWTM 12.0° / 26.0° Efficiency 93 % Peak intensity 13.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XP-E2 FWHM / FWTM 10.0° / 20.0° Efficiency 92 % Peak intensity 21.8 cd/lm LEDs/each optic 1 Light colour Amber Required components:</p>	
<p>CREE → LED</p> <p>LED XP-G2 FWHM / FWTM 10.0° / 19.0° Efficiency 94 % Peak intensity 24.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>CREE → LED</p> <p>LED XP-G2 HE FWHM / FWTM 14.0° / 28.0° Efficiency 91 % Peak intensity 11.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED: XP-G3 FWHM / FWTM: 14.0° / 27.0° Efficiency: 91 % Peak intensity: 11.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE → LED</p> <p>LED: XP-P FWHM / FWTM: 8.0° / 18.0° Efficiency: 93 % Peak intensity: 30 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE → LED</p> <p>LED: XT-E FWHM / FWTM: 11.0° / 23.0° Efficiency: 90 % Peak intensity: 16 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>LUMILEDS</p> <p>LED: LUXEON HL2X FWHM / FWTM: 14.0° / 26.0° Efficiency: 93 % Peak intensity: 13.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		

OPTICAL RESULTS (SIMULATED):

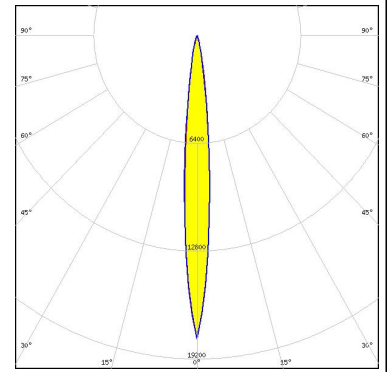
<p>LUMILEDS</p> <p>LED: LUXEON IR Compact</p> <p>FWHM / FWTM: 8.0° / 17.0°</p> <p>Efficiency: 84 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON T</p> <p>FWHM / FWTM: 12.0° / 24.0°</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 14.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON TX</p> <p>FWHM / FWTM: 11.0° / 24.0°</p> <p>Efficiency: 92 %</p> <p>Peak intensity: 15.4 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: 13.0° / 27.0°</p> <p>Efficiency: 89 %</p> <p>Peak intensity: 12 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

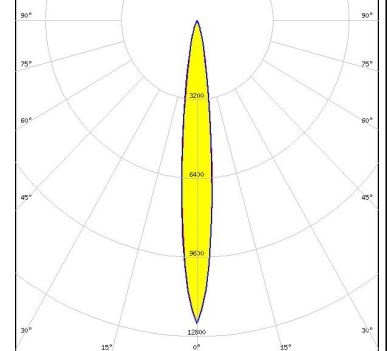
LED OSCONIQ P 3030
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 92 %
 Peak intensity 18 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



OSRAM

Opto Semiconductors

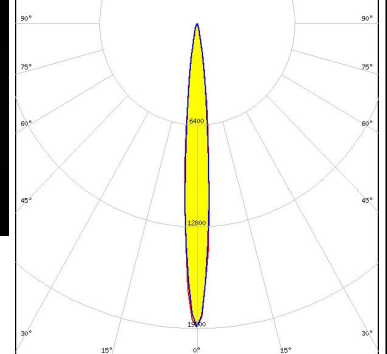
LED OSCONIQ P 3737 Flat
 FWHM / FWTM 12.0° / 28.0°
 Efficiency 93 %
 Peak intensity 12.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

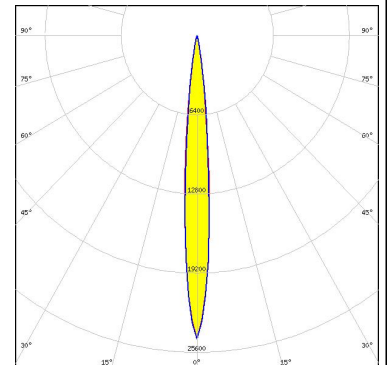
LED OSLON Square Flat
 FWHM / FWTM 9.4° / 20.0°
 Efficiency 91 %
 Peak intensity 19.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLON SSL 150
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 93 %
 Peak intensity 24.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

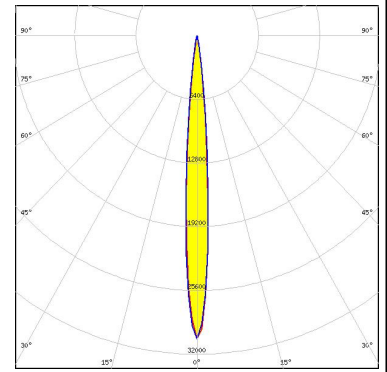


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

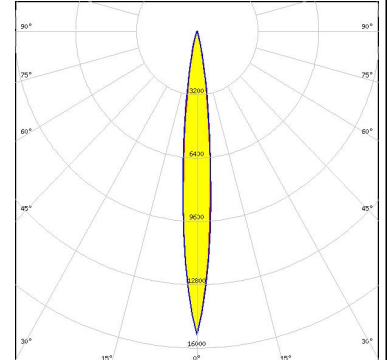
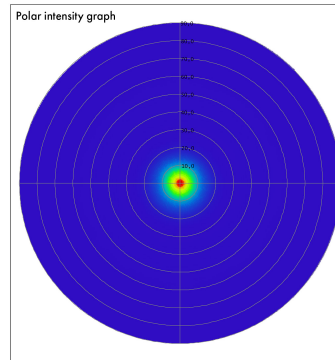
LED OSLOM SSL 80
 FWHM / FWTM 8.3° / 17.0°
 Efficiency 92 %
 Peak intensity 30.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4715AS
 FWHM / FWTM 11.0° / 24.0°
 Efficiency 92 %
 Peak intensity 15.8 cd/lm
 LEDs/each optic 1
 Light colour IR
 Required components:



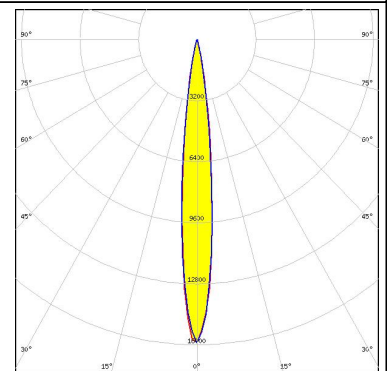
OSRAM

Opto Semiconductors

LED SFH 4770S
 FWHM / FWTM 9.0° / 26.0°
 Efficiency 85 %
 LEDs/each optic 1
 Light colour White
 Required components:

SAMSUNG

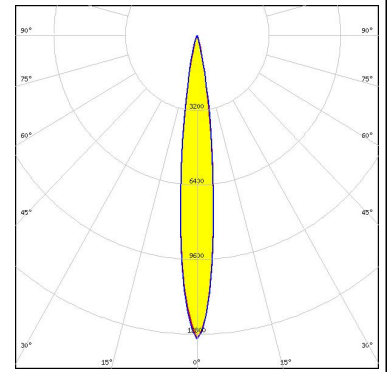
LED LH351A
 FWHM / FWTM 11.0° / 23.0°
 Efficiency 91 %
 Peak intensity 15.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

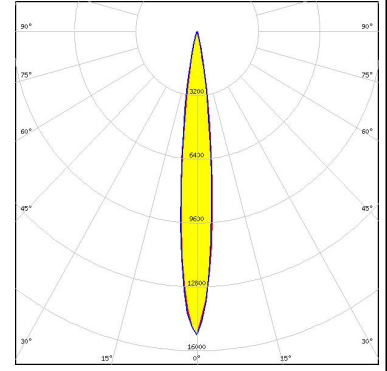
SAMSUNG

LED LH351B
 FWHM / FWTM 12.0° / 26.0°
 Efficiency 92 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



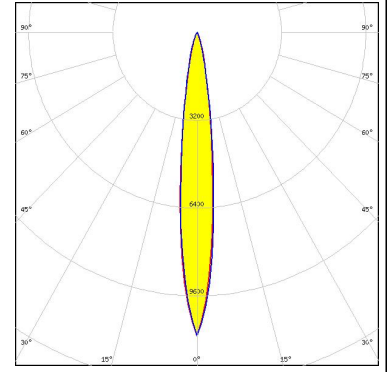
SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 93 %
 Peak intensity 15.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



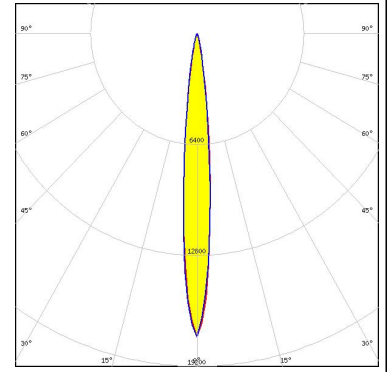
SEOUL SEMICONDUCTOR

LED Z5M4
 FWHM / FWTM 13.0° / 30.0°
 Efficiency 94 %
 Peak intensity 11.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOUL SEMICONDUCTOR

LED Z5P
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 92 %
 Peak intensity 17.5 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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Shenzhen 518057
P.R.CHINA

Local sales and technical support

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Shipping locations

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Hong Kong, China

Distribution Partners

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