

LEIA-S

~3° spot beam

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 50.0 mm
Height	53 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
F16199_LEIA-S	Single lens	PMMA		
F16213_LEIA-HLD	Holder	HRPC	white	

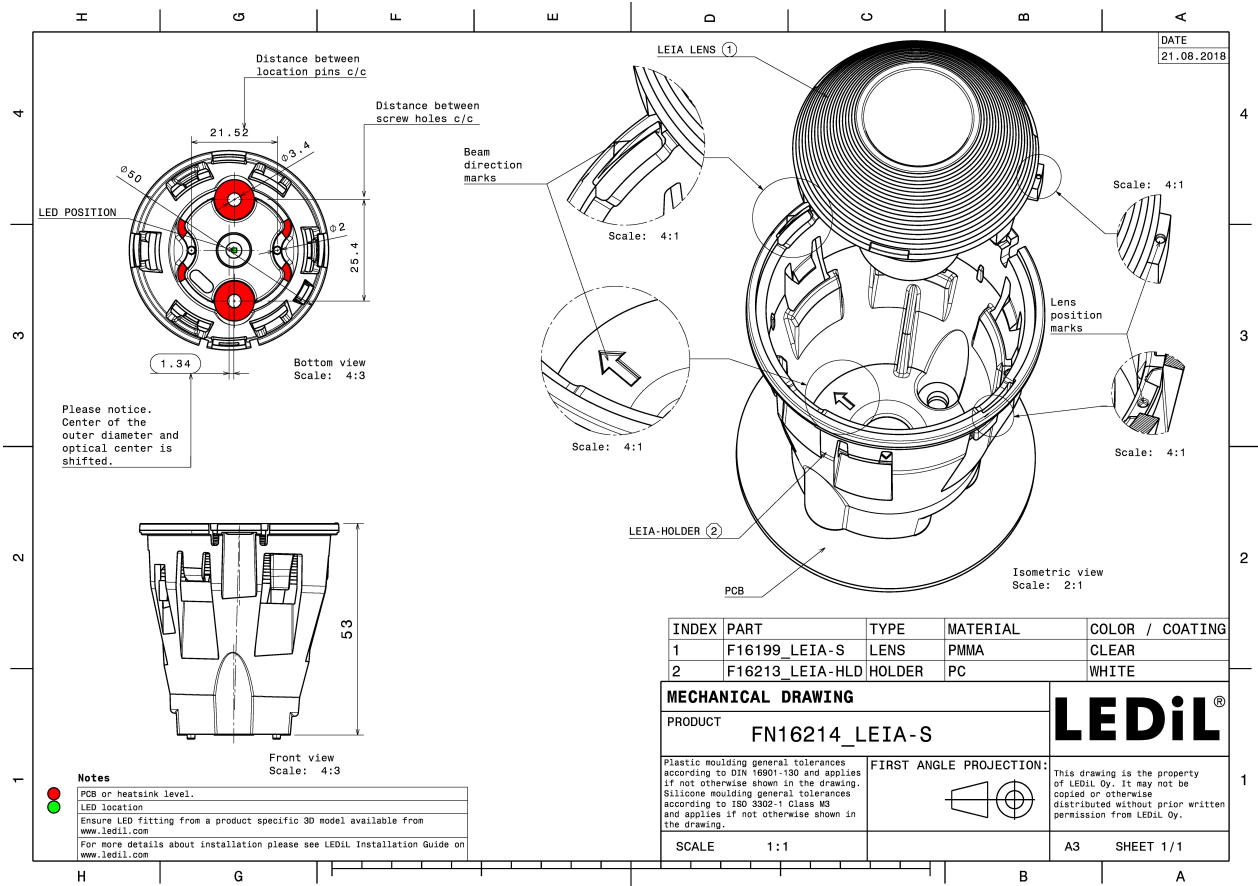
ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
F16199_LEIA-S	Single lens	240	40	40	8.2
» Box size: 480 x 280 x 300 mm					
F16213_LEIA-HLD	Holder	400	40	20	5.8
» Box size: 398 x 298 x 265 mm					

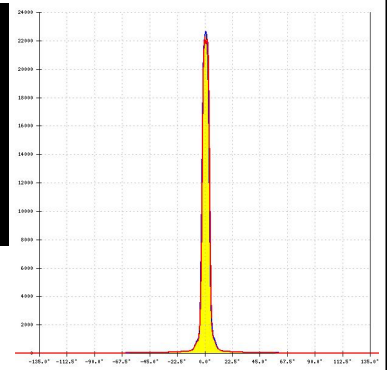
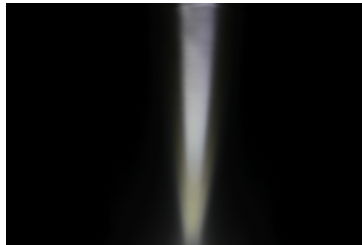


See also our general installation guide: www.ledil.com/installation_guide

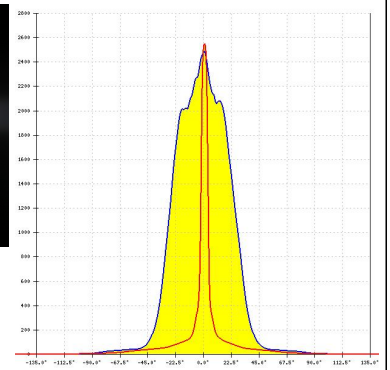
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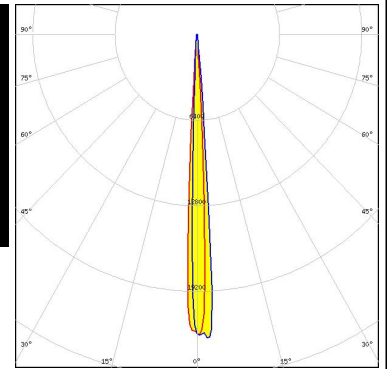
LED XHP35 HD
 FWHM / FWTM 6.0° / 9.0°
 Efficiency 50 %
 Peak intensity 22.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



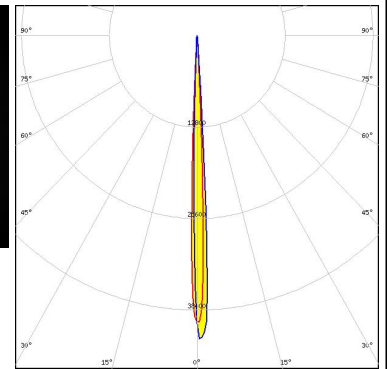
LED XHP35 HD
 FWHM / FWTM 52.0 + 6.0° / 77.0 + 15.0°
 Efficiency 45 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



LED XHP35 HD
 FWHM / FWTM 6.0° / 9.0°
 Efficiency 49 %
 Peak intensity 22.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



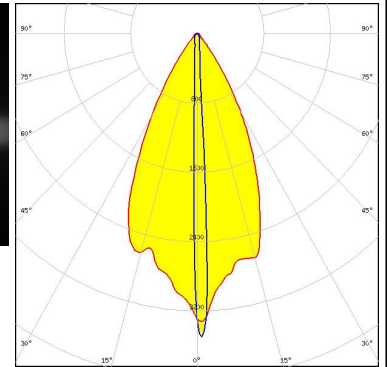
LED XHP35 HI
 FWHM / FWTM 4.0° / 7.0°
 Efficiency 52 %
 Peak intensity 43.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

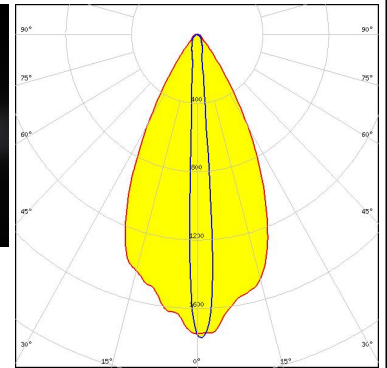
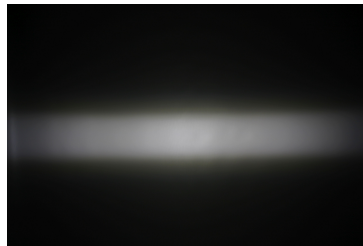
CREE LED

LED XHP35 HI
 FWHM / FWTM 50.0 + 5.0° / 76.0 + 11.0°
 Efficiency 47 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



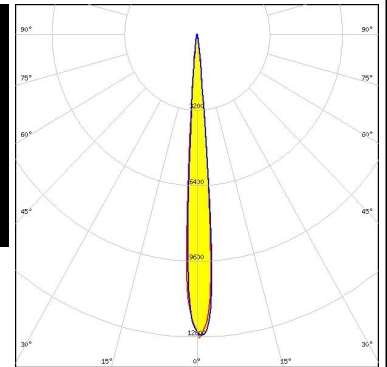
CREE LED

LED XHP50.2
 FWHM / FWTM 52.0 + 8.0° / 78.0 + 20.0°
 Efficiency 42 %
 Peak intensity 1.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



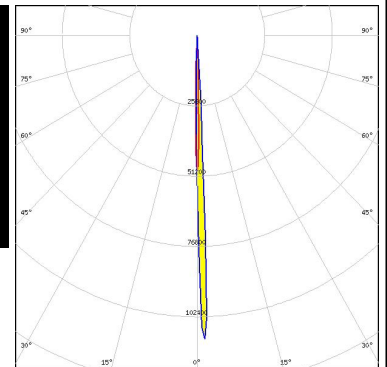
CREE LED

LED XHP50.2
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 48 %
 Peak intensity 13 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

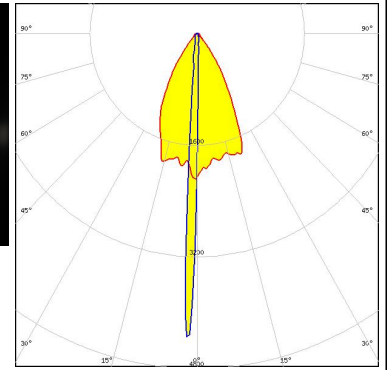
LED XP-E2
 FWHM / FWTM 2.6° / 5.7°
 Efficiency 59 %
 Peak intensity 128.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

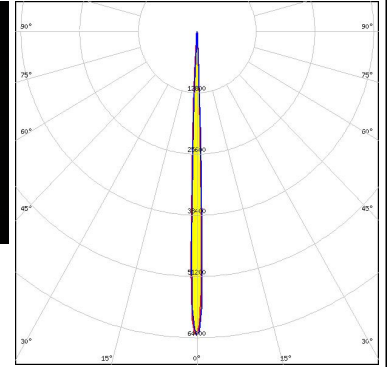
CREE LED

LED XP-G2
 FWHM / FWTM 57.0 + 4.0° / 82.0 + 9.0°
 Efficiency 40 %
 Peak intensity 4.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



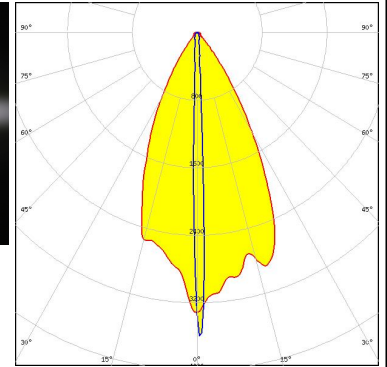
CREE LED

LED XP-G2
 FWHM / FWTM 4.0° / 6.0°
 Efficiency 50 %
 Peak intensity 63.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



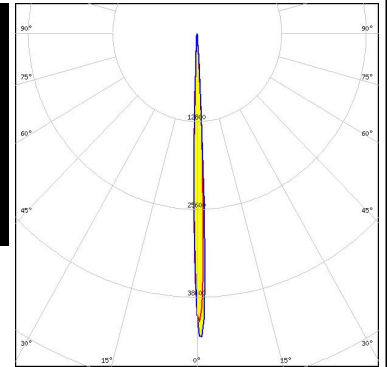
CREE LED

LED XP-G3
 FWHM / FWTM 50.0 + 4.0° / 76.0 + 9.0°
 Efficiency 47 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O


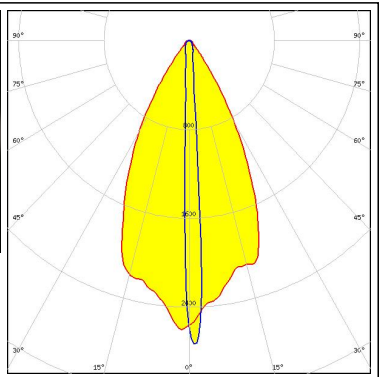

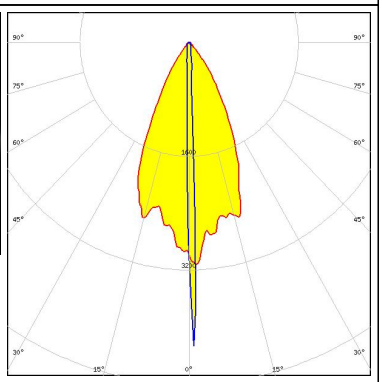

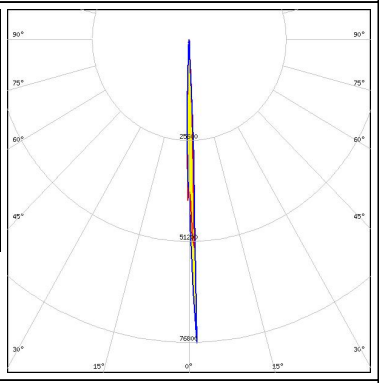

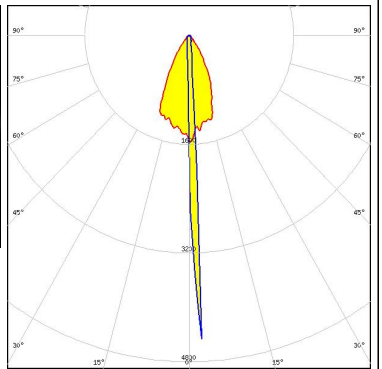


CREE LED


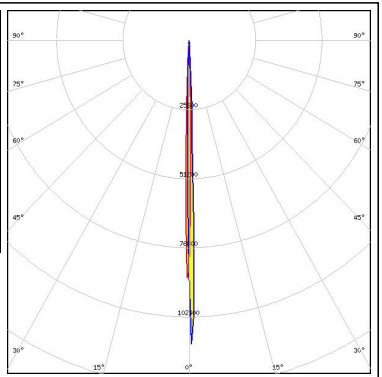

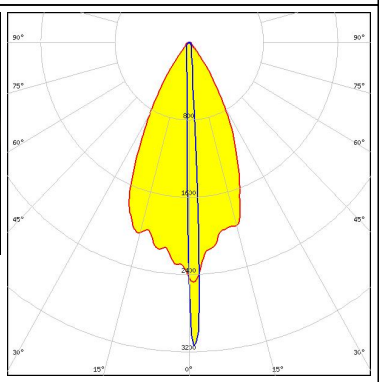

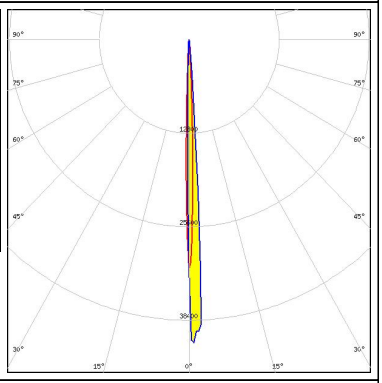

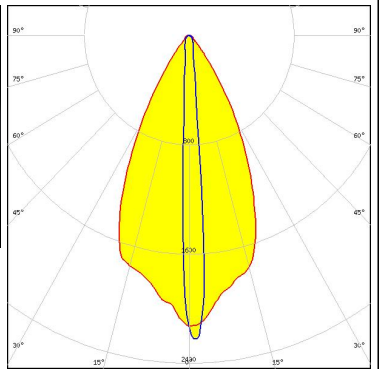
LED XP-G3
 FWHM / FWTM 4.0° / 7.0°
 Efficiency 51 %
 Peak intensity 48.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




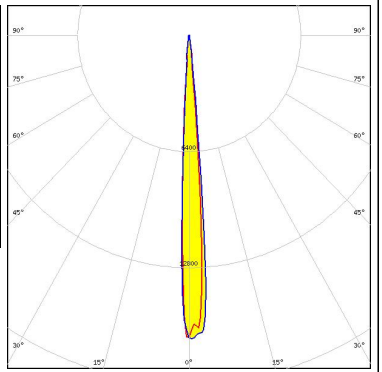

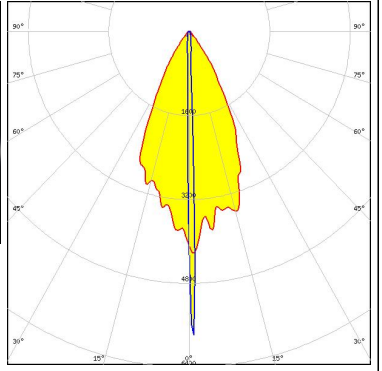
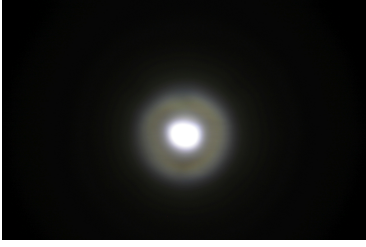
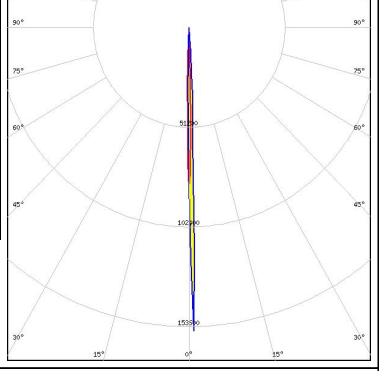
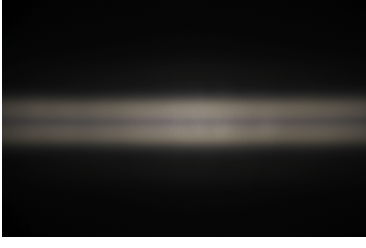
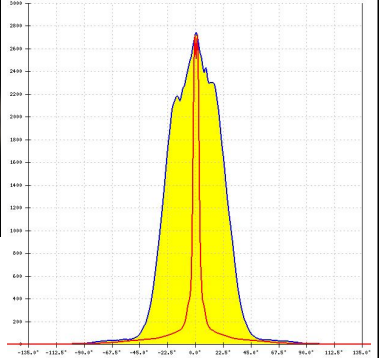
PHOTOMETRIC DATA (MEASURED):

<p>CREE ⇄ LED</p> <p>LED XP-L2 FWHM / FWTM 51.0 + 6.0° / 77.0 + 16.0° Efficiency 49 % Peak intensity 2.8 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		
<p>CREE ⇄ LED</p> <p>LED XQ-E HD FWHM / FWTM 50.0 + 3.0° / 76.0 + 9.0° Efficiency 42 % Peak intensity 4.6 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		
<p>CREE ⇄ LED</p> <p>LED XQ-E HD FWHM / FWTM 3.0° / 6.0° Efficiency 47 % Peak intensity 91 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED XQ-E HI FWHM / FWTM 52.0 + 3.0° / 79.0 + 9.0° Efficiency 44 % Peak intensity 6 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		

PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED XQ-E HI FWHM / FWTM 2.0° / 4.0° Efficiency 48 % Peak intensity 112.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>CREE LED</p> <p>LED XT-E FWHM / FWTM 50.0 + 4.0° / 76.0 + 11.0° Efficiency 46 % Peak intensity 6.2 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		
<p>CREE LED</p> <p>LED XT-E FWHM / FWTM 4.0° / 7.0° Efficiency 49 % Peak intensity 42.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES FWHM / FWTM 51.0 + 7.0° / 78.0 + 18.0° Efficiency 46 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		

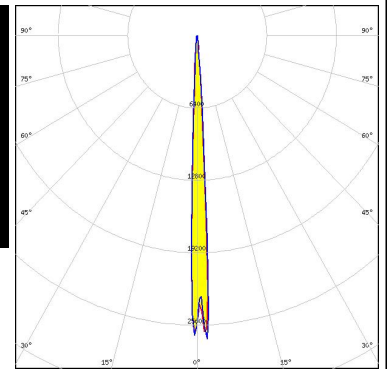
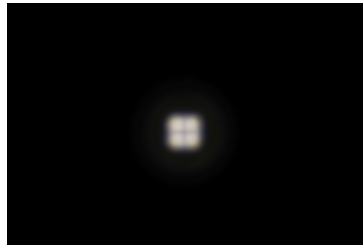
PHOTOMETRIC DATA (MEASURED):

<p>LUMILEDS</p> <p>LED LUXEON 5050 Round LES</p> <p>FWHM / FWTM 7.0° / 11.0°</p> <p>Efficiency 51 %</p> <p>Peak intensity 16.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 51.0 + 3.0° / 76.0 + 7.0°</p> <p>Efficiency 48 %</p> <p>Peak intensity 6.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F16629_LEIA-SUB-O</p>		
<p>LUMILEDS</p> <p>LED LUXEON CZ</p> <p>FWHM / FWTM 2.0° / 5.0°</p> <p>Efficiency 55 %</p> <p>Peak intensity 157 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>LUMILEDS</p> <p>LED LUXEON MZ</p> <p>FWHM / FWTM 50.0 + 6.0° / 77.0 + 15.0°</p> <p>Efficiency 45 %</p> <p>Peak intensity 2.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F16629_LEIA-SUB-O</p>		

PHOTOMETRIC DATA (MEASURED):

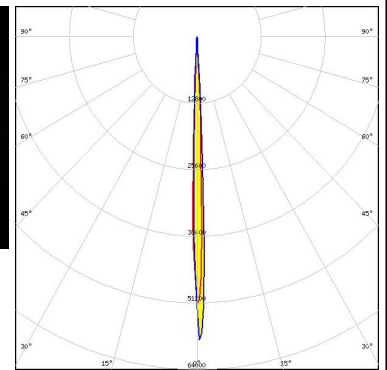
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 6.0° / 9.0°
 Efficiency 49 %
 Peak intensity 27.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



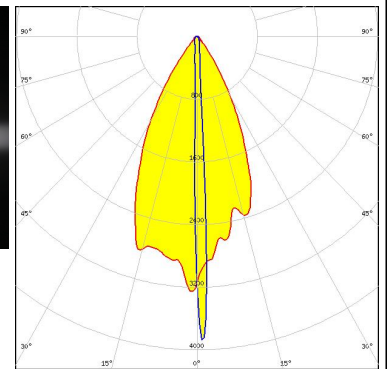
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 4.0° / 7.0°
 Efficiency 51 %
 Peak intensity 58.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



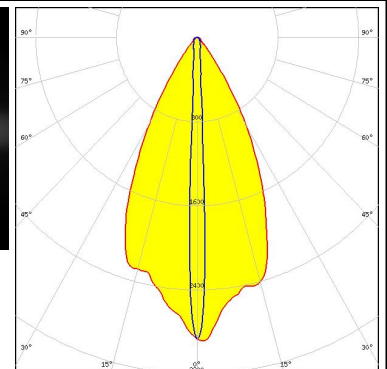
LUMILEDS

LED LUXEON TX
 FWHM / FWTM 50.0 + 4.0° / 76.0 + 9.0°
 Efficiency 48 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



LUMILEDS

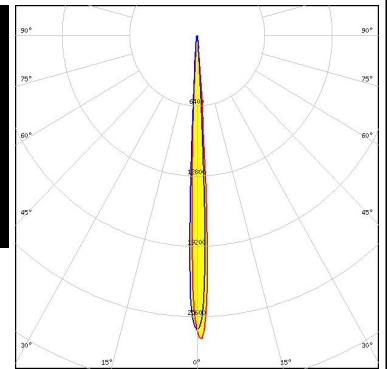
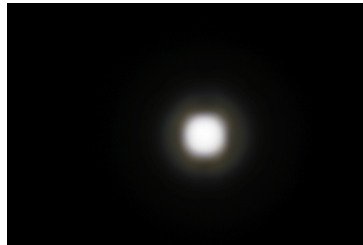
LED LUXEON V
 FWHM / FWTM 51.0 + 6.0° / 77.0 + 15.0°
 Efficiency 49 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



PHOTOMETRIC DATA (MEASURED):

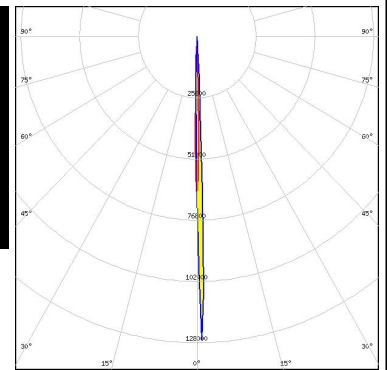
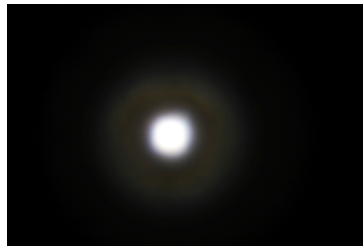
LUMILEDS

LED LUXEON V
 FWHM / FWTM 6.0° / 9.0°
 Efficiency 53 %
 Peak intensity 27.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



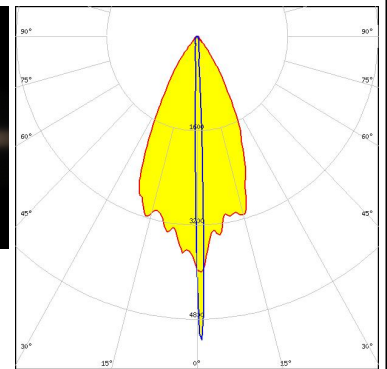
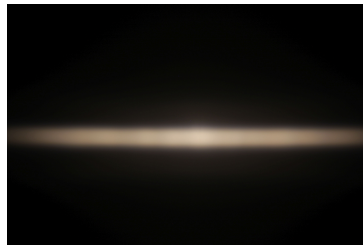
LUMILEDS

LED LUXEON Z
 FWHM / FWTM 2.0° / 5.0°
 Efficiency 50 %
 Peak intensity 131 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



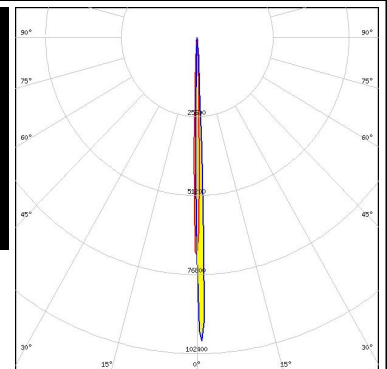
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 49.0 + 3.0° / 76.0 + 7.0°
 Efficiency 49 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



LUMILEDS

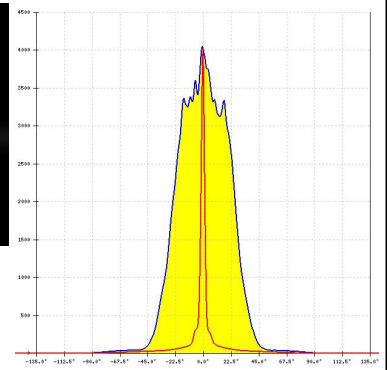
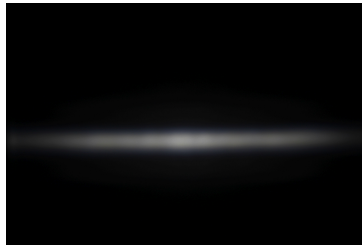
LED LUXEON Z ES
 FWHM / FWTM 3.0° / 6.0°
 Efficiency 55 %
 Peak intensity 98.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



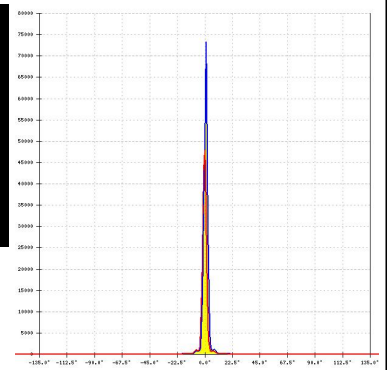
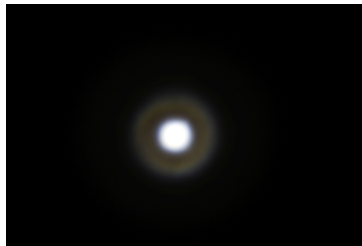
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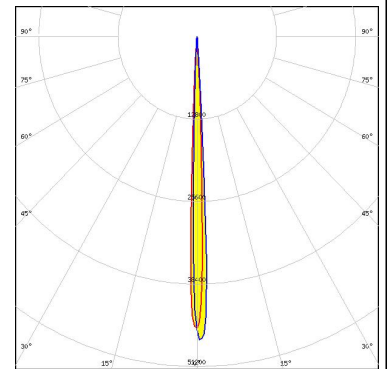
LED NCSxE17A
 FWHM / FWTM 50.0 + 3.0° / 77.0 + 7.0°
 Efficiency 36 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



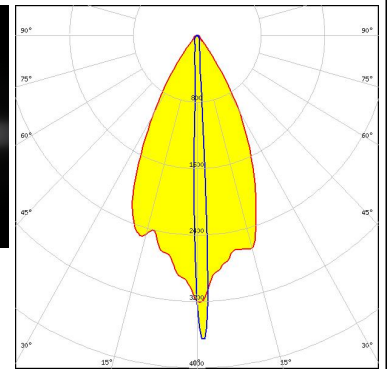
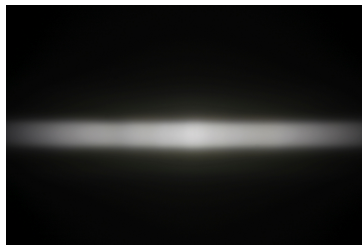
LED NCSxE17A
 FWHM / FWTM 3.0° / 6.0°
 Efficiency 40 %
 Peak intensity 73.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




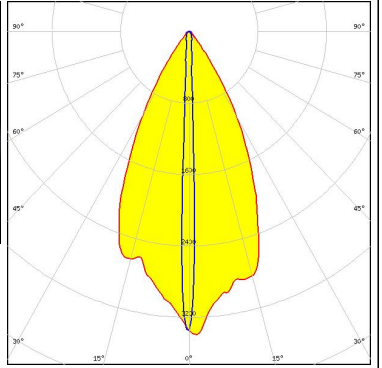
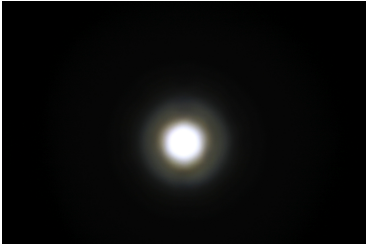
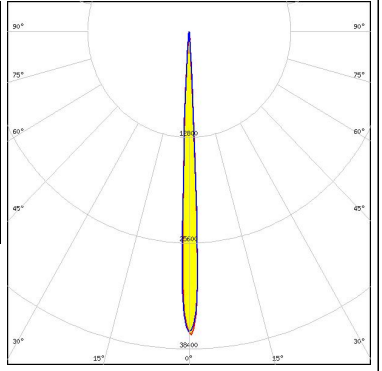

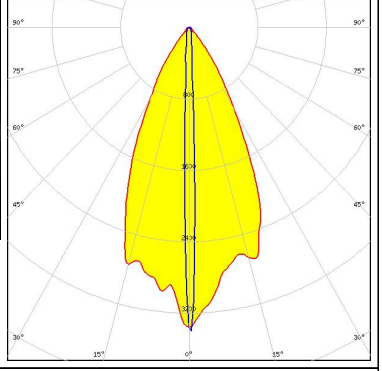

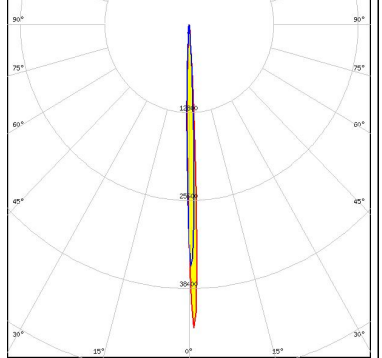
LED NVSW219F
 FWHM / FWTM 4.0° / 7.0°
 Efficiency 50 %
 Peak intensity 47.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:




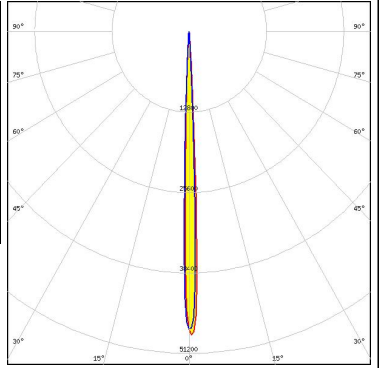

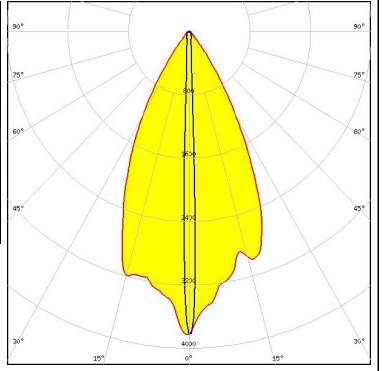
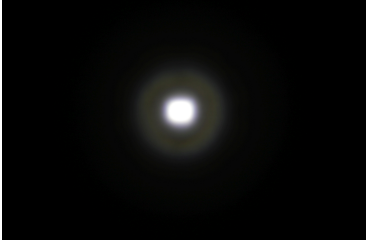
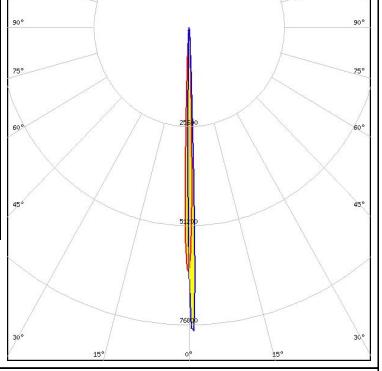

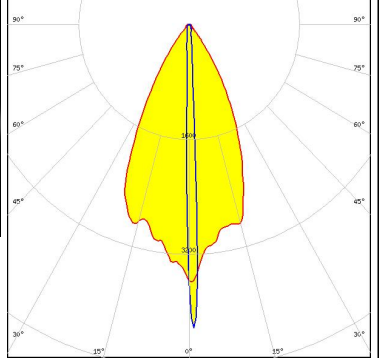
LED NVSW219F
 FWHM / FWTM 51.0 + 5.0° / 76.0 + 10.0°
 Efficiency 48 %
 Peak intensity 3.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 50.0 + 5.0° / 76.0 + 13.0° Efficiency 46 % Peak intensity 3.4 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		
<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 5.0° / 8.0° Efficiency 52 % Peak intensity 36.8 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 49.0 + 4.0° / 77.0 + 13.0° Efficiency 41 % Peak intensity 3.5 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		
<p>NICHIA</p> <p>LED NVSxE21A FWHM / FWTM 3.0° / 7.0° Efficiency 46 % Peak intensity 51 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

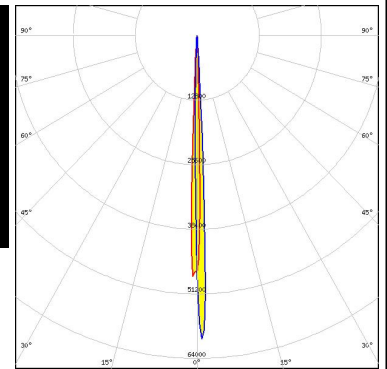
PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 4.0° / 7.0° Efficiency 49 % Peak intensity 48.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM / FWTM 50.0 + 4.0° / 76.0 + 9.0° Efficiency 44 % Peak intensity 3.9 cd/lm LEDs/each optic 1 Light colour White Required components: F16629_LEIA-SUB-O</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED KW CULPM1.TG FWHM / FWTM 3.0° / 5.0° Efficiency 54 % Peak intensity 96.6 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3737 (2W version) FWHM / FWTM 50.0 + 4.0° / 76.0 + 9.0° Efficiency 49 % Peak intensity 4.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

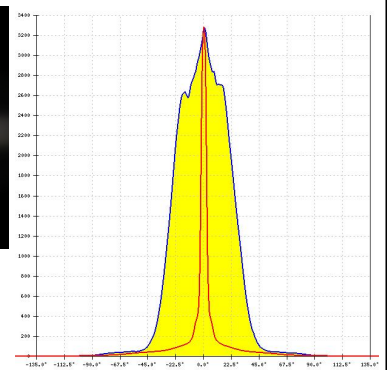
OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
 FWHM / FWTM 3.0° / 7.0°
 Efficiency 54 %
 Peak intensity 62.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



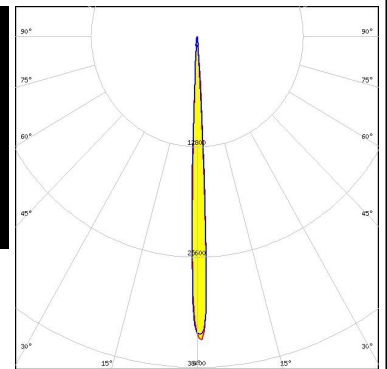
OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 51.0 + 5.0° / 76.0 + 14.0°
 Efficiency 48 %
 Peak intensity 3.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



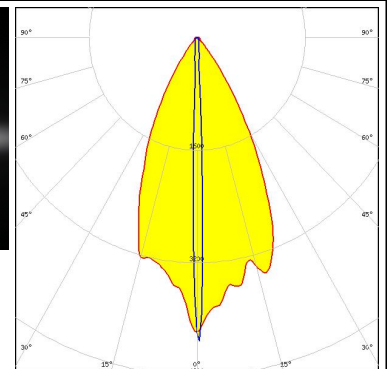
OSRAM Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 5.0° / 8.0°
 Efficiency 53 %
 Peak intensity 36 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

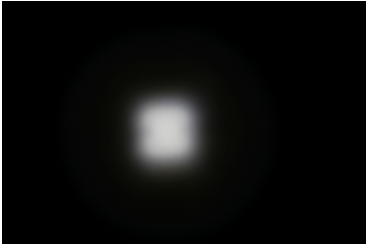
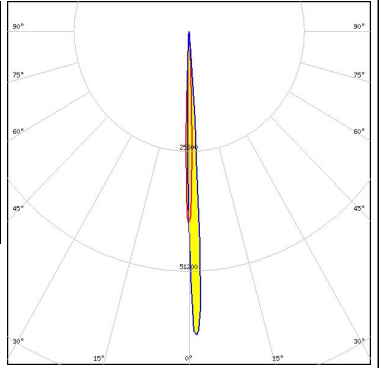

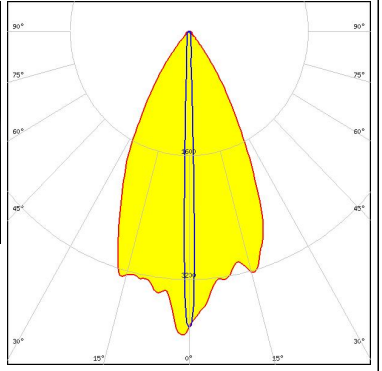

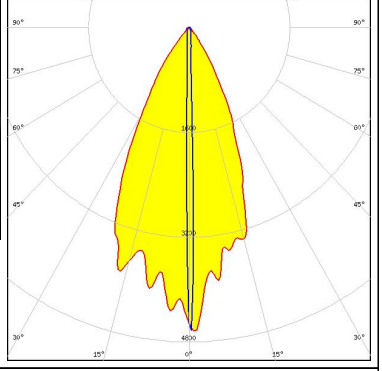

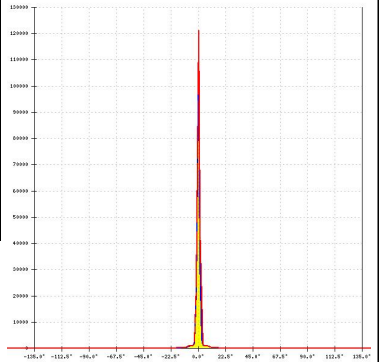


OSRAM Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 50.0 + 4.0° / 75.0 + 8.0°
 Efficiency 46 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



PHOTOMETRIC DATA (MEASURED):

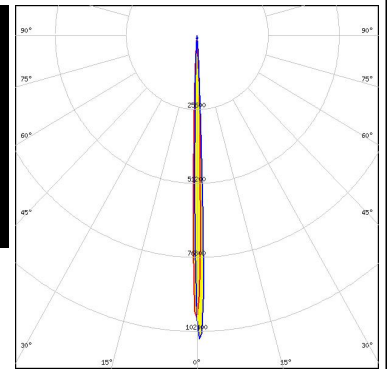
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWMTM 4.0° / 7.0°</p> <p>Efficiency 49 %</p> <p>Peak intensity 64.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square PC</p> <p>FWHM / FWMTM 52.0 + 4.0° / 77.0 + 9.0°</p> <p>Efficiency 42 %</p> <p>Peak intensity 3.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F16629_LEIA-SUB-O</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWMTM 47.0 + 3.0° / 73.0 + 7.0°</p> <p>Efficiency 40 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components: F16629_LEIA-SUB-O</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWMTM 2.0° / 5.0°</p> <p>Efficiency 46 %</p> <p>Peak intensity 122 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

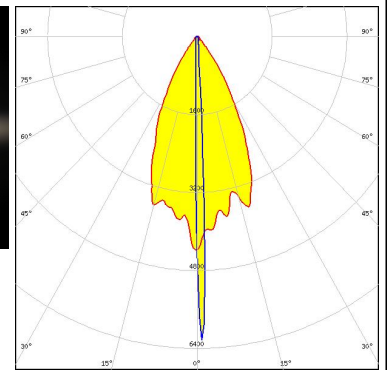
LED OSLON SSL 80
 FWHM / FWTM 3.0° / 6.0°
 Efficiency 62 %
 Peak intensity 106.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

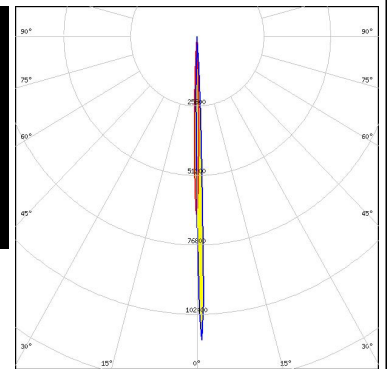
LED OSLON SSL 80
 FWHM / FWTM 51.0 + 3.0° / 77.0 + 7.0°
 Efficiency 56 %
 Peak intensity 6.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



OSRAM

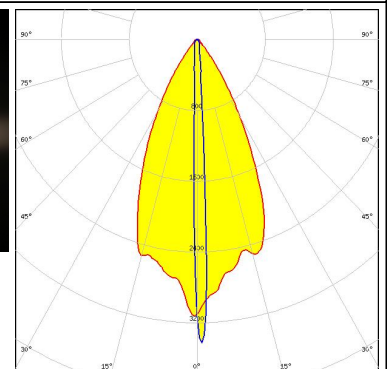
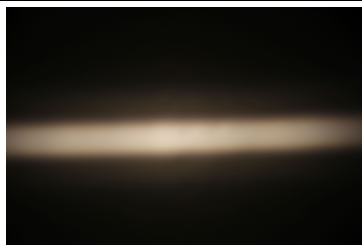
Opto Semiconductors

LED OSTAR Projection Compact (Kx.CSLNM1.xx)
 FWHM / FWTM 3.0° / 5.0°
 Efficiency 49 %
 Peak intensity 120.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

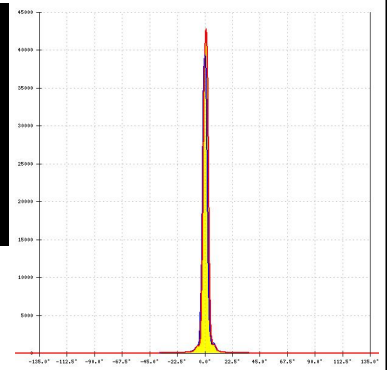
LED LH231B
 FWHM / FWTM 50.0 + 4.0° / 76.0 + 13.0°
 Efficiency 46 %
 Peak intensity 3.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



PHOTOMETRIC DATA (MEASURED):

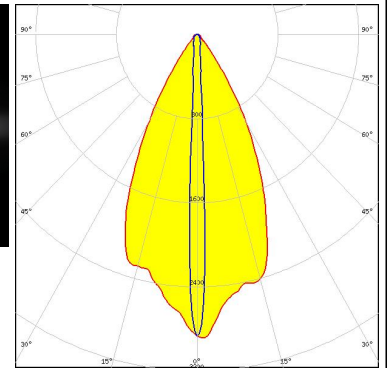
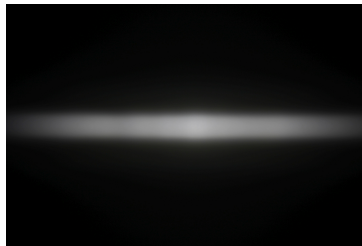
SAMSUNG

LED LH231B
 FWHM / FWTM 4.0° / 7.0°
 Efficiency 50 %
 Peak intensity 43.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



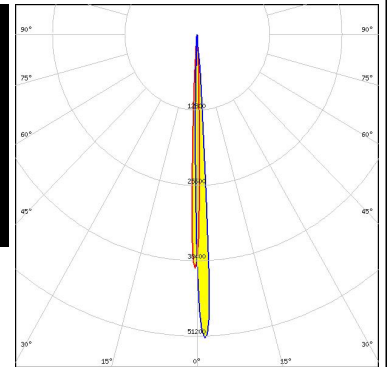
SAMSUNG

LED LH351B
 FWHM / FWTM 52.0 + 4.0° / 77.0 + 10.0°
 Efficiency 50 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



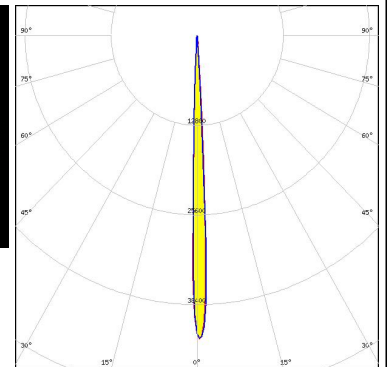
SAMSUNG

LED LH351B
 FWHM / FWTM 4.0° / 7.0°
 Efficiency 55 %
 Peak intensity 54.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

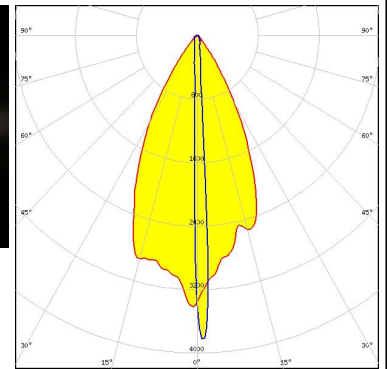
LED LH351C
 FWHM / FWTM 4.0° / 7.0°
 Efficiency 57 %
 Peak intensity 46.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

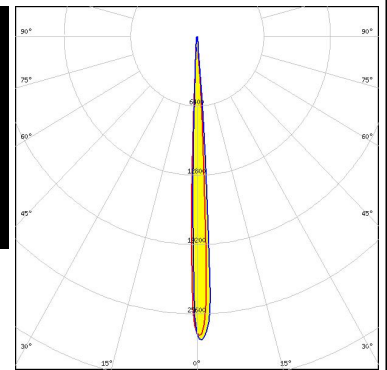
SAMSUNG

LED LH351C
 FWHM / FWTM 50.0 + 5.0° / 76.0 + 12.0°
 Efficiency 52 %
 Peak intensity 3.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



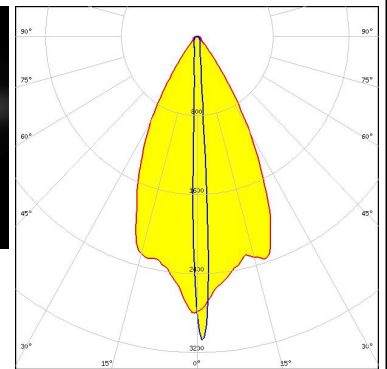
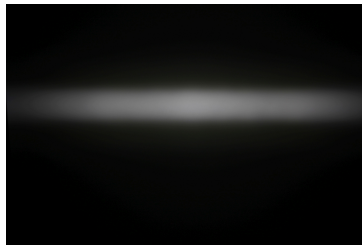
SAMSUNG

LED LH351D
 FWHM / FWTM 5.0° / 9.0°
 Efficiency 54 %
 Peak intensity 29 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



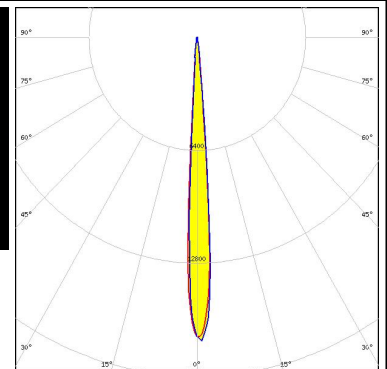
SAMSUNG

LED LH351D
 FWHM / FWTM 53.0 + 5.0° / 77.0 + 14.0°
 Efficiency 50 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



SAMSUNG

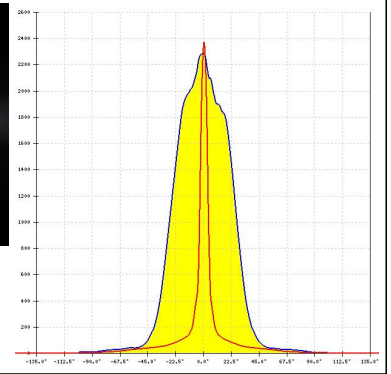
LED LH508A
 FWHM / FWTM 7.0° / 11.0°
 Efficiency 50 %
 Peak intensity 17.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

SAMSUNG

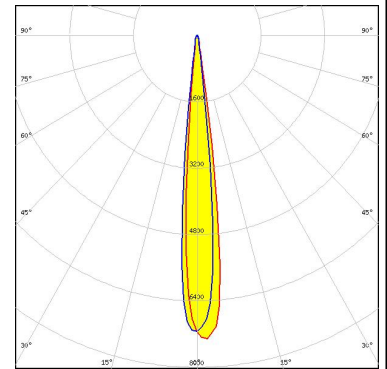
LED LH508A
FWHM / FWMTM 52.0 + 7.0° / 78.0 + 17.0°
Efficiency 45 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:
F16629_LEIA-SUB-O



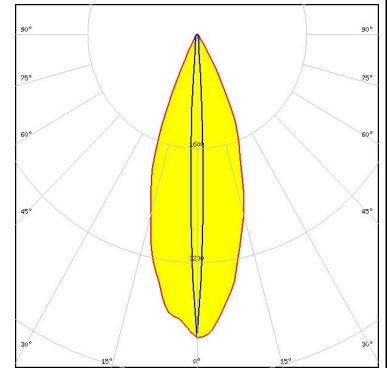
PHOTOMETRIC DATA (SIMULATED):



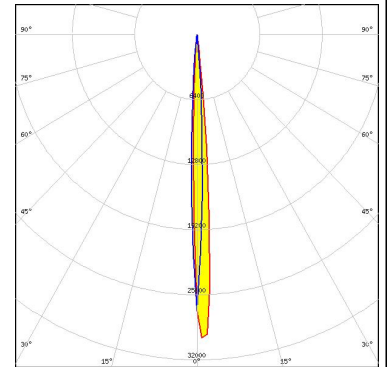
LED XHP70.2
 FWHM / FWTM 12.0° / 18.0°
 Efficiency 48 %
 Peak intensity 7.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



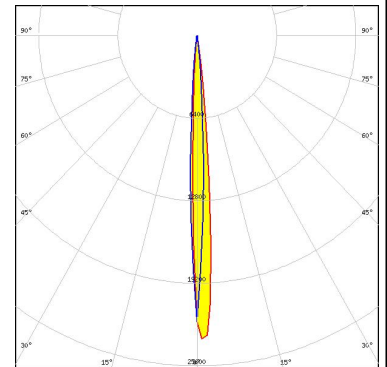
LED XP-G2 HE
 FWHM / FWTM 36.0 + 5.0° / 58.0 + 12.0°
 Efficiency 44 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



LED XP-G2 HE
 FWHM / FWTM 5.0° / 11.0°
 Efficiency 48 %
 Peak intensity 29.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-L HD
 FWHM / FWTM 6.3° / 12.9°
 Efficiency 51 %
 Peak intensity 23.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



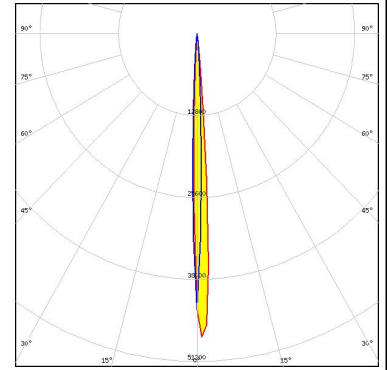
PHOTOMETRIC DATA (SIMULATED):

<p>CREE LED</p> <p>LED: XP-L HI FWHM / FWTM: 4.5° / 9.5° Efficiency: 53 % Peak intensity: 42.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON C FWHM / FWTM: 3.6° / 7.0° Efficiency: 36 % Peak intensity: 53.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON CZ FWHM / FWTM: 10.0° / 16.0° Efficiency: 42 % Peak intensity: 11 cd/lm LEDs/each optic: 4 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON Rubix FWHM / FWTM: 4.0° / 7.0° Efficiency: 45 % Peak intensity: 74.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

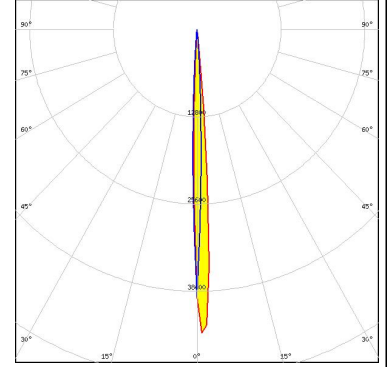
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 5.0° / 9.0°
 Efficiency 51 %
 Peak intensity 47.4 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



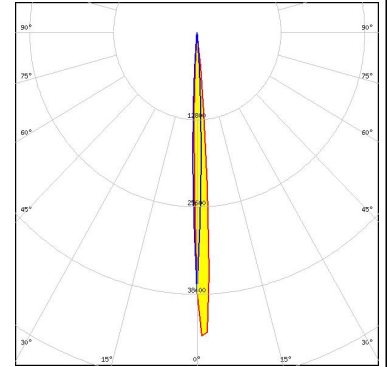
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 5.0° / 9.0°
 Efficiency 49 %
 Peak intensity 44.5 cd/lm
 LEDs/each optic 1
 Light colour Green
 Required components:



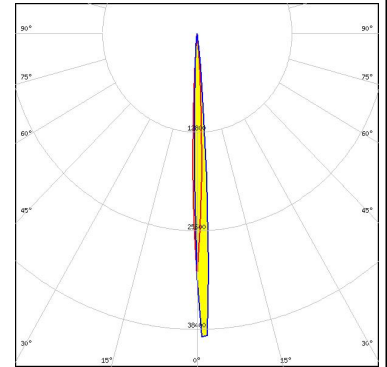
LUMILEDS

LED LUXEON Rubix
 FWHM / FWTM 5.0° / 9.0°
 Efficiency 49 %
 Peak intensity 44.5 cd/lm
 LEDs/each optic 1
 Light colour Blue
 Required components:



LUMILEDS

LED LUXEON V2
 FWHM / FWTM 4.8° / 9.5°
 Efficiency 46 %
 Peak intensity 39.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>LUMINUS</p> <p>LED: SBT-90 FWHM / FWTM: 6.0° / 11.0° Efficiency: 44 % Peak intensity: 26 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMINUS</p> <p>LED: SST-10-B130 FWHM / FWTM: 4.0° / 9.0° Efficiency: 45 % LEDs/each optic: 1 Light colour: IR Required components:</p>	
<p>NICHIA</p> <p>LED: NF2x757G FWHM / FWTM: 4.6° / 9.2° Efficiency: 50 % Peak intensity: 52.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 7.0° / 13.0° Efficiency: 46 % Peak intensity: 21.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

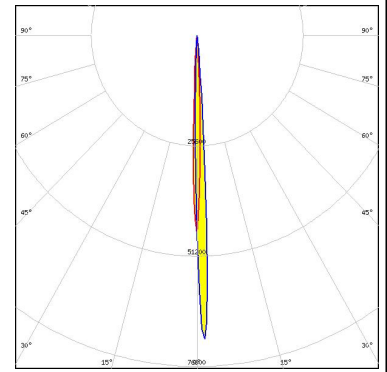
PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED: NV4x144A FWHM / FWTM: 9.0° / 15.0° Efficiency: 44 % Peak intensity: 12.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW3x9A FWHM / FWTM: 2.4° / 4.8° Efficiency: 44 % Peak intensity: 34.5 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW519A FWHM / FWTM: 5.0° / 10.0° Efficiency: 45 % Peak intensity: 28.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSLOM Black Flat FWHM / FWTM: 4.5° / 11.0° Efficiency: 50 % Peak intensity: 40.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

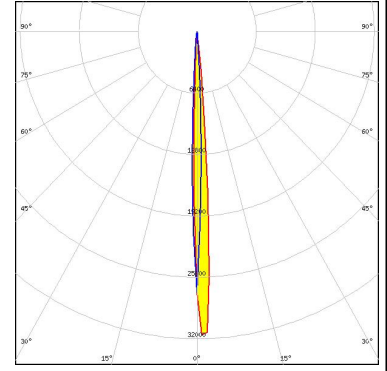
OSRAM Opto Semiconductors

LED OSLOM Square EC
 FWHM / FWTM 4.0° / 8.0°
 Efficiency 57 %
 Peak intensity 68 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



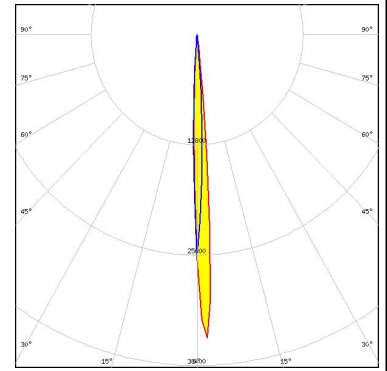
OSRAM Opto Semiconductors

LED OSLOM SSL 150
 FWHM / FWTM 5.0° / 10.0°
 Efficiency 41 %
 Peak intensity 31.6 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



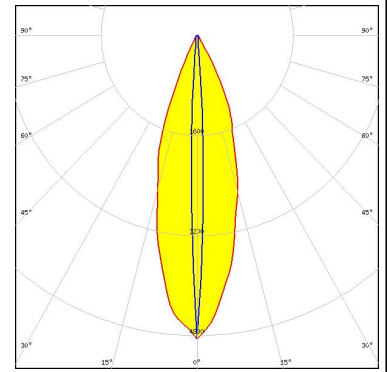
OSRAM Opto Semiconductors

LED OSTAR Stage (S2WM)
 FWHM / FWTM 6.0° / 11.0°
 Efficiency 49 %
 Peak intensity 35.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM Opto Semiconductors

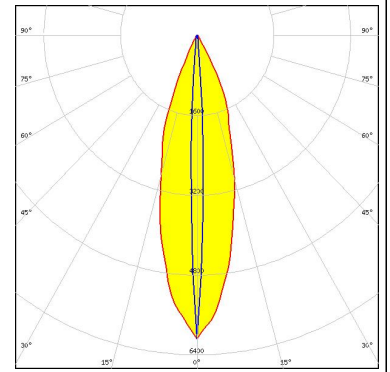
LED OSTAR Stage (S2WM)
 FWHM / FWTM 32.0 + 4.0° / 56.0 + 12.0°
 Efficiency 47 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



PHOTOMETRIC DATA (SIMULATED):

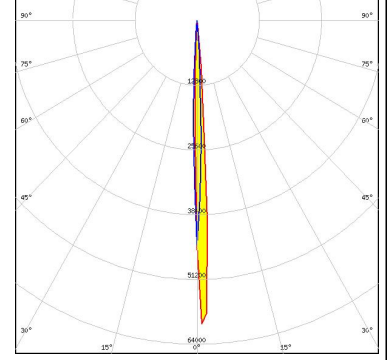
OSRAM Opto Semiconductors

LED SFH 4715AS
 FWHM / FWTM 29.0 + 4.0° / 56.0 + 12.0°
 Efficiency 53 %
 Peak intensity 6.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:
 F16629_LEIA-SUB-O



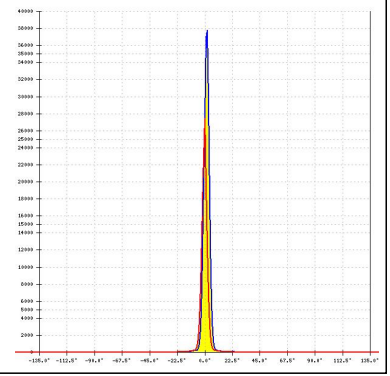
OSRAM Opto Semiconductors

LED SFH 4715AS
 FWHM / FWTM 4.0° / 9.0°
 Efficiency 47 %
 LEDs/each optic 1
 Light colour IR
 Required components:



OSRAM Opto Semiconductors

LED SFH 4716AS
 FWHM / FWTM 5.0° / 9.0°
 Efficiency 36 %
 LEDs/each optic 1
 Light colour IR
 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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