

STRADELLA-16-HB-W

~90° wide beam for industrial applications

TECHNICAL SPECIFICATIONS:

Dimensions	49.5 x 49.5 mm
Height	7.1 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

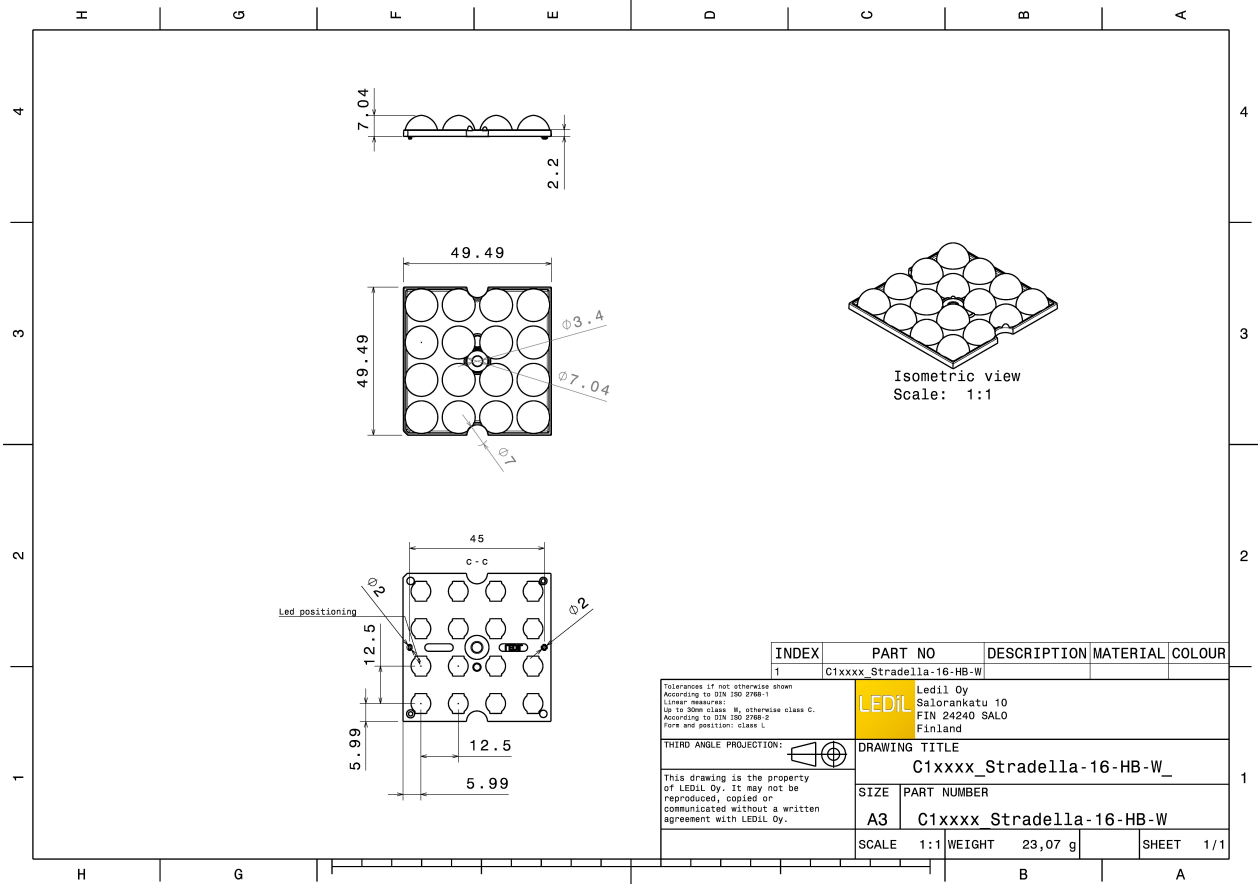
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-W	Multi-lens	PMMA	clear	

ORDERING INFORMATION:


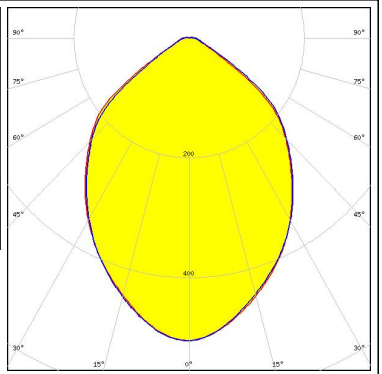
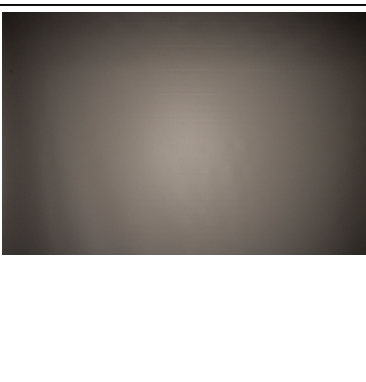
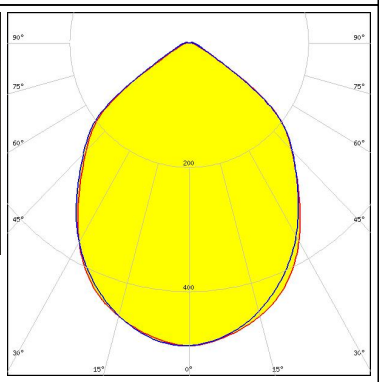

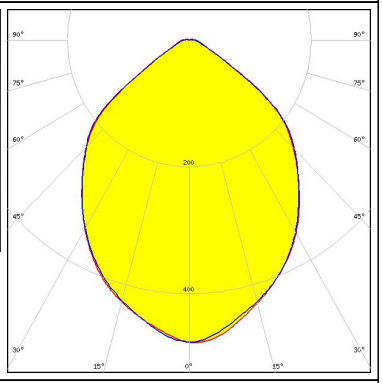

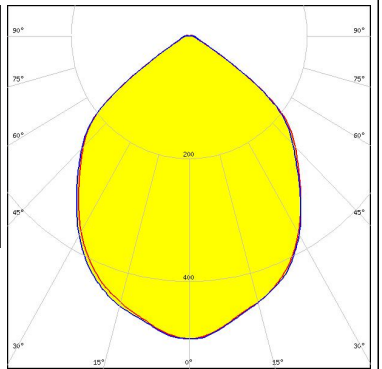
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15432_STRADELLA-16-HB-W » Box size: 480 x 280 x 300 mm	800	160	160	6.6





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

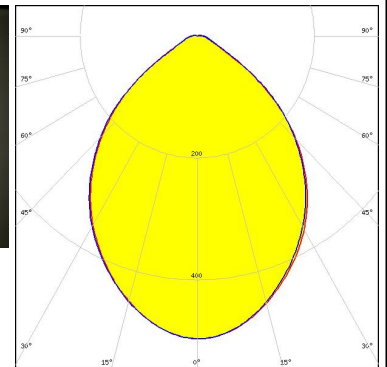
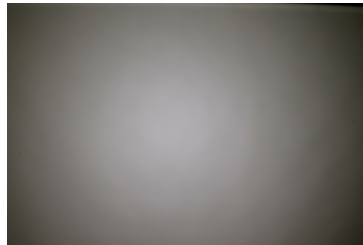
PHOTOMETRIC DATA (MEASURED):

<p>CREE LED</p> <p>LED J Series 3030 FWHM / FWTM 86.0° / 125.0° Efficiency 95 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>ELECTRIO</p> <p>LED EHP-223.5x50-1604-xx-70-LS30-06-NTC FWHM / FWTM 91.0° / 124.0° Efficiency 96 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NFSx757D FWHM / FWTM 91.0° / 126.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NFSx757G FWHM / FWTM 92.0° / 121.0° Efficiency 94 % Peak intensity 0.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

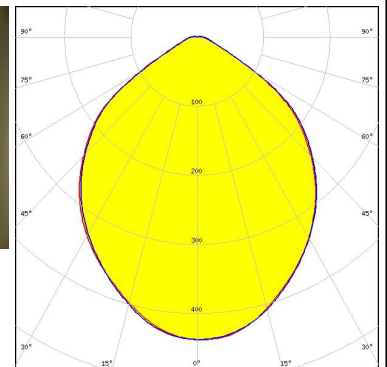
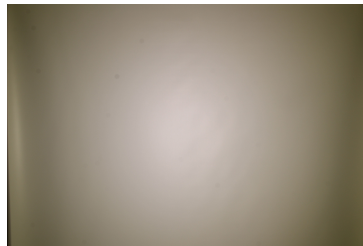
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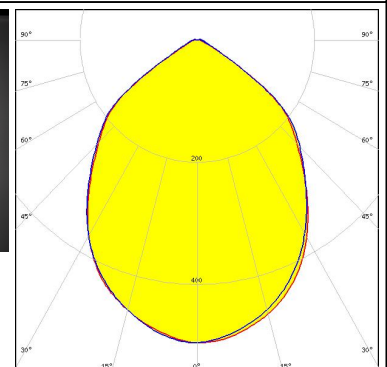
LED NVSW219D
 FWHM / FWTM 87.0° / 125.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



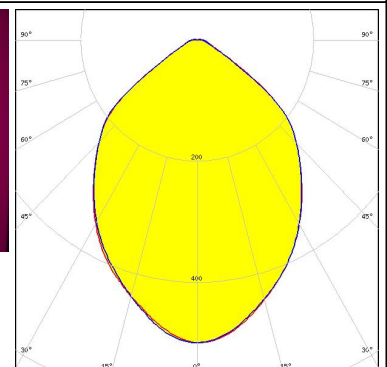
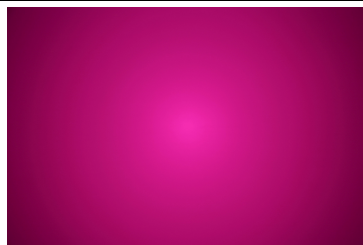
LED NVSW319B
 FWHM / FWTM 96.0° / 131.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED PrevaLED Brick MP 4x16
 FWHM / FWTM 88.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



Opto Semiconductors
 LED Duris S5 (2 chip)
 FWHM / FWTM 87.0° / 125.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour Purple
 Required components:

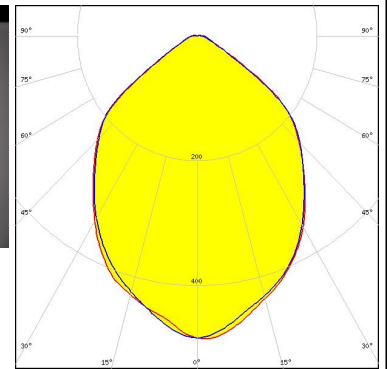


PHOTOMETRIC DATA (MEASURED):

OSRAM

Opto Semiconductors

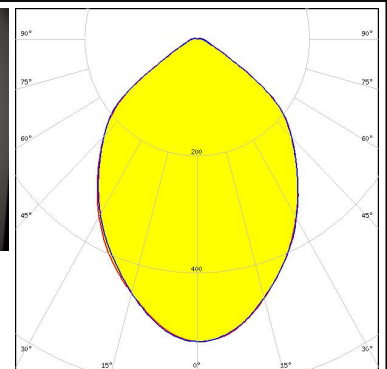
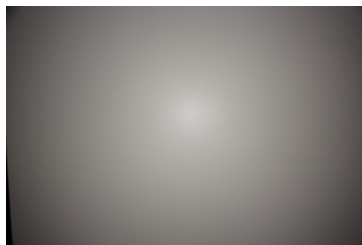
LED Duris S5 (Single chip)
 FWHM / FWTM 88.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

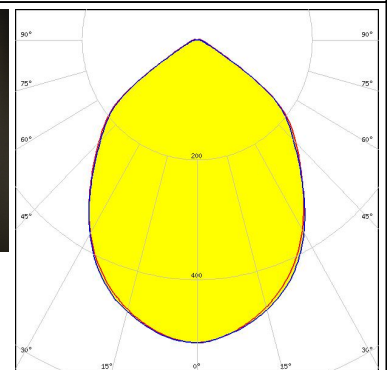
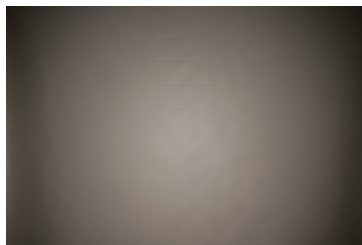
Opto Semiconductors

LED OSCONIQ S 3030
 FWHM / FWTM 84.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



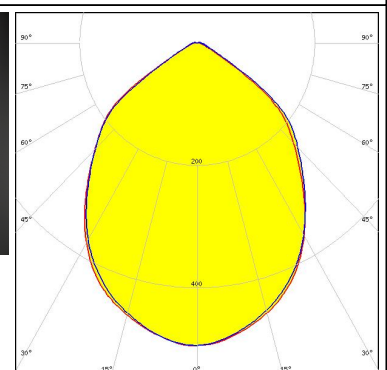
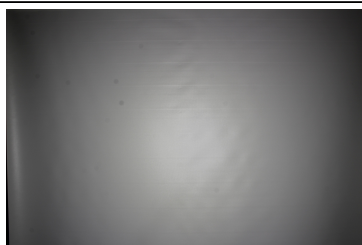
PHILIPS

LED Fortimo FastFlex LED 4x16 DHE G4
 FWHM / FWTM 87.0° / 122.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

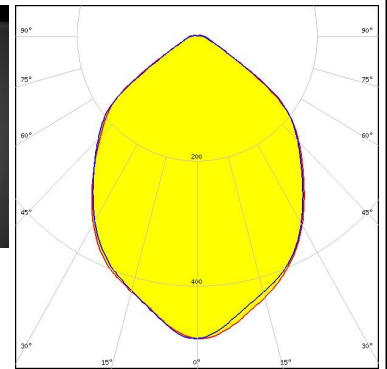
LED HiLOM RM64 (LM301B)
 FWHM / FWTM 88.0° / 123.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

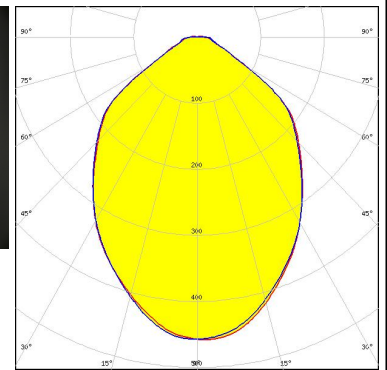
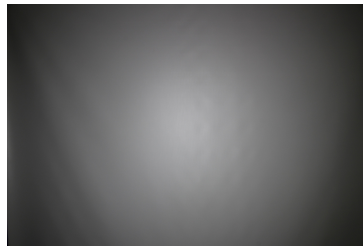
SAMSUNG

LED LM231 A/B
 FWHM / FWTM 88.0° / 126.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



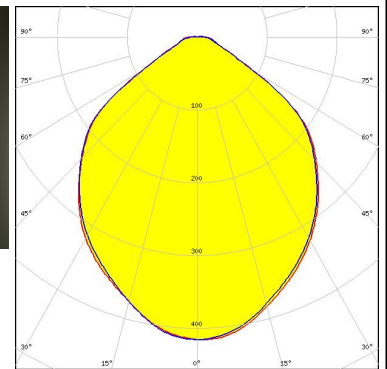
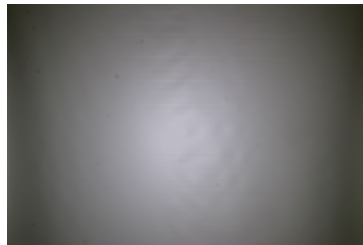
SCIOLUX

LED XLE-S44XTEHE (XT-E HE)
 FWHM / FWTM 88.0° / 133.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



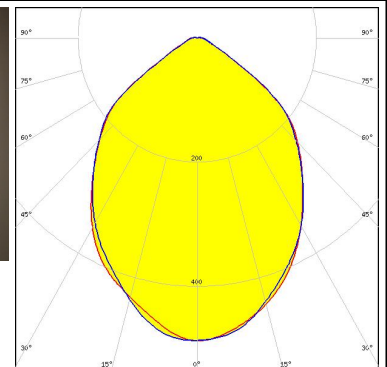
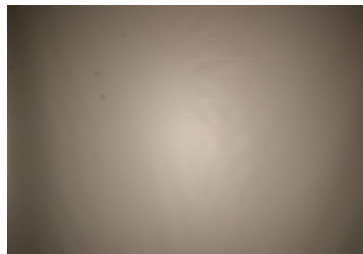
SCIOLUX

LED XLE-S48XPG3 (XP-G3)
 FWHM / FWTM 100.0° / 134.0°
 Efficiency 94 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

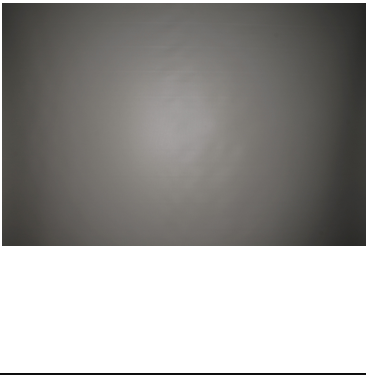
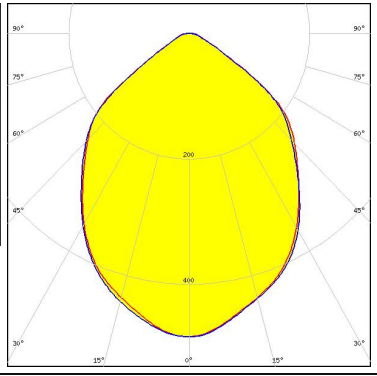

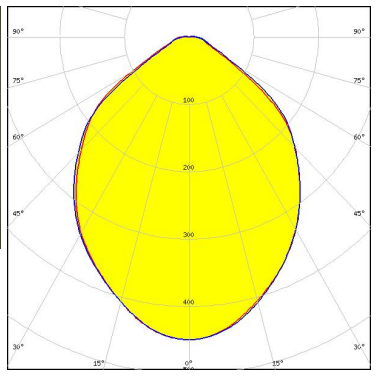

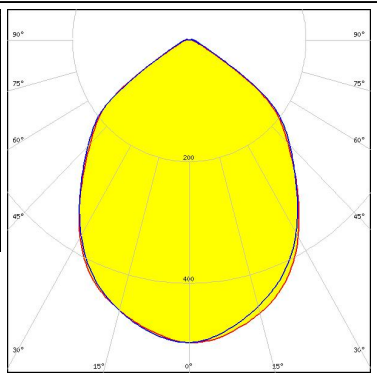




SEOUL SEMICONDUCTOR

LED SEOUL 3030
 FWHM / FWTM 87.0° / 125.0°
 Efficiency 93 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



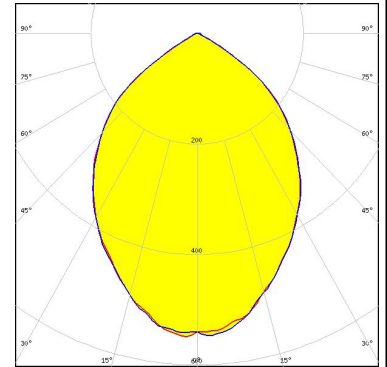
PHOTOMETRIC DATA (MEASURED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL DC 3030</p> <p>FWHM / FWTM 90.0° / 129.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 93.0° / 132.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE 4x16 4000lm MP ADV2 OTD</p> <p>FWHM / FWTM 88.0° / 123.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>TRIDONIC</p> <p>LED RLE 4x8 2000lm MP ADV2 OTD</p> <p>FWHM / FWTM 88.0° / 123.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 0.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

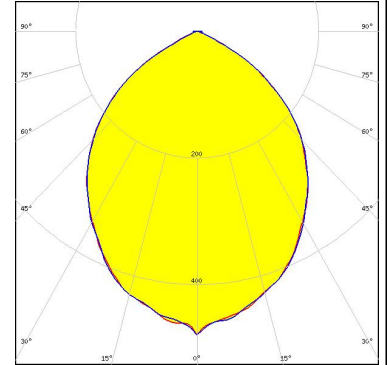
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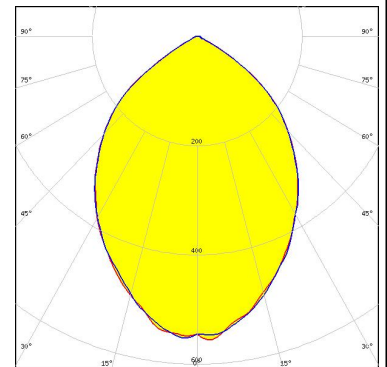
LED J Series 5050 Round LES
 FWHM / FWTM 85.0° / 121.0°
 Efficiency 96 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



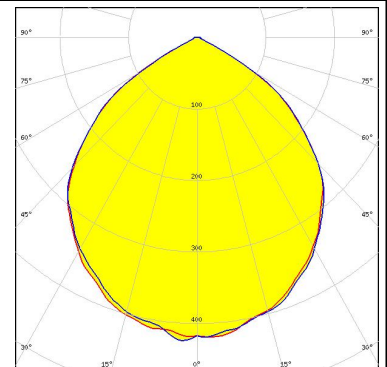
LED XP-G2 HE
 FWHM / FWTM 91.0° / 128.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON 5050 Square LES
 FWHM / FWTM 83.0° / 121.0°
 Efficiency 96 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSW519A
 FWHM / FWTM 99.0° / 126.0°
 Efficiency 93 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

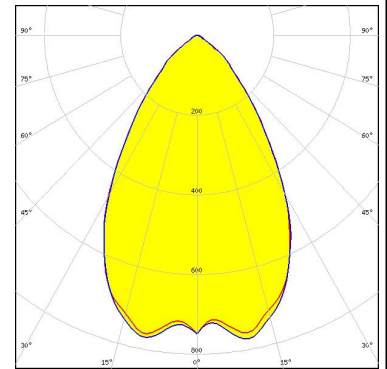
OSRAM <small>Opto Semiconductors</small>	LED Duris E5	
FWHM / FWTM	87.0° / 123.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
OSRAM <small>Opto Semiconductors</small>	LED OSCONIQ C 2424	
FWHM / FWTM	94.0° / 122.0°	
Efficiency	96 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
OSRAM <small>Opto Semiconductors</small>	LED OSCONIQ P 3030	
FWHM / FWTM	79.0° / 128.0°	
Efficiency	97 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
OSRAM <small>Opto Semiconductors</small>	LED OSLOM Square CSSRM2/CSSRM3	
FWHM / FWTM	97.0° / 124.0°	
Efficiency	94 %	
Peak intensity	0.4 cd/lm	
LEDs/each optic	1	
Light colour	Red	
Required components:		

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

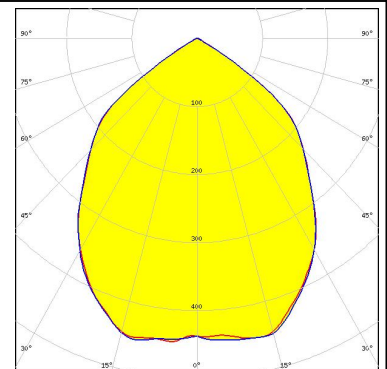
LED SFH 4715AS
 FWHM / FWTM 66.0° / 106.0°
 Efficiency 96 %
 Peak intensity 0.8 cd/lm
 LEDs/each optic 1
 Light colour IR
 Required components:



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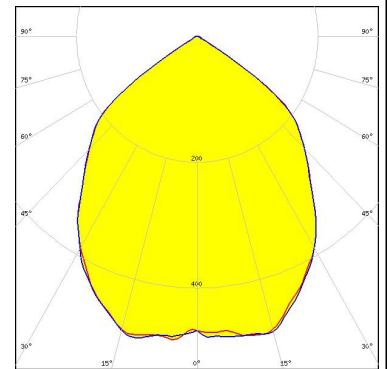
LED LH231B
 FWHM / FWTM 92.0° / 118.0°
 Efficiency 87 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



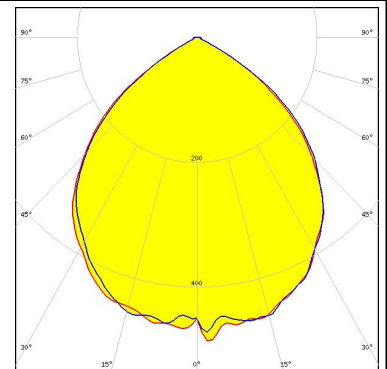
SAMSUNG

LED LH231B
 FWHM / FWTM 92.0° / 118.0°
 Efficiency 95 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

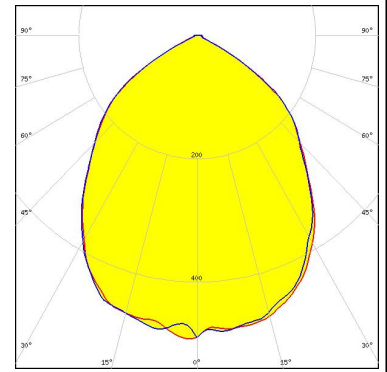
LED LH351C
 FWHM / FWTM 97.0° / 124.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

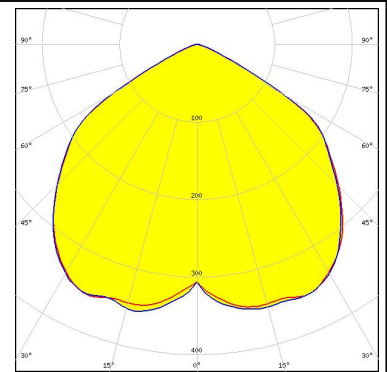
LED LM301B
 FWHM / FWTM 90.0° / 125.0°
 Efficiency 94 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SAMSUNG

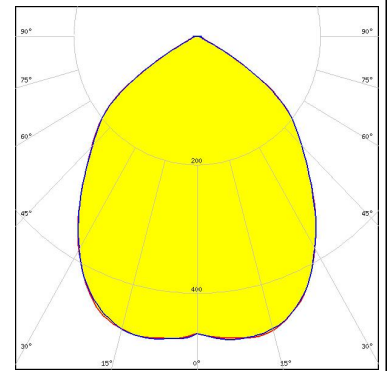
LED LM301B
 FWHM / FWTM 113.0° / 133.0°
 Efficiency 96 %
 Peak intensity 0.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



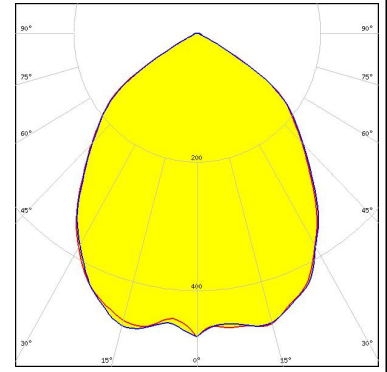
SAMSUNG

LED LM302D
 FWHM / FWTM 90.0° / 124.0°
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:





SEOUL SEMICONDUCTOR

LED SEOUL DC 3030C
 FWHM / FWTM 91.0° / 124.0°
 Efficiency 96 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

 SEOUL SEMICONDUCTOR	<p>LED: SEOUL DC 5050 6V</p> <p>FWHM / FWTM: 84.0° / 122.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
 SEOUL SEMICONDUCTOR	<p>LED: Z8Y22T</p> <p>FWHM / FWTM: 94.0° / 124.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 0.5 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

GENERAL INFORMATION:

NOTE: The typical beam angle will be changed by different color, chip size and chip position tolerance. The typical total beam angle is the full angle measured where the luminous intensity is half of the peak value.

MATERIALS:

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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P.R.CHINA

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[LL01ED-ALI24R49](#) [LL01CR-AYG38R49](#) [C17171_DAISSY-8X1-SHD-MATT](#) [F16859_LINDA-ZT25](#) [C17295_ILONA-ZOOM](#)
[F16636_LINDA-W60](#) [C17362_DAISSY-7X1-W-D](#) [C17361_DAISSY-7X1-WW-D](#) [10003](#) [10003/15](#) [10048](#) [10049](#) [10108](#) [10510](#)
[F14487_FLORENCE-1R-MAXI-WG](#) [12667](#) [C14165_STRADA-2X2-ME-WIDE2](#) [C14605_HB-2X2-RW](#) [C14642_FLORENCE-1R-UP](#)
[CAY033](#) [CAY046/55](#) [FCX11157_RES-O-90](#) [OS-LRI2015X45S](#) [OSOLRA2015M](#) [PG1C-NX36](#) [PG1C-SX17](#) [PM2A-SXV1](#) [PM2B-NX55-](#)
[AW](#) [PM6A-FN25](#) [FC2231-0000-0050-L](#) [FC2231-0000-0100-L](#) [C14116_STRADA-2X2-PX](#)