

STRADELLA-16-HB-O

Oval beam for high bay aisles

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	8.3 mm
ROHS compliant	yes ⓘ

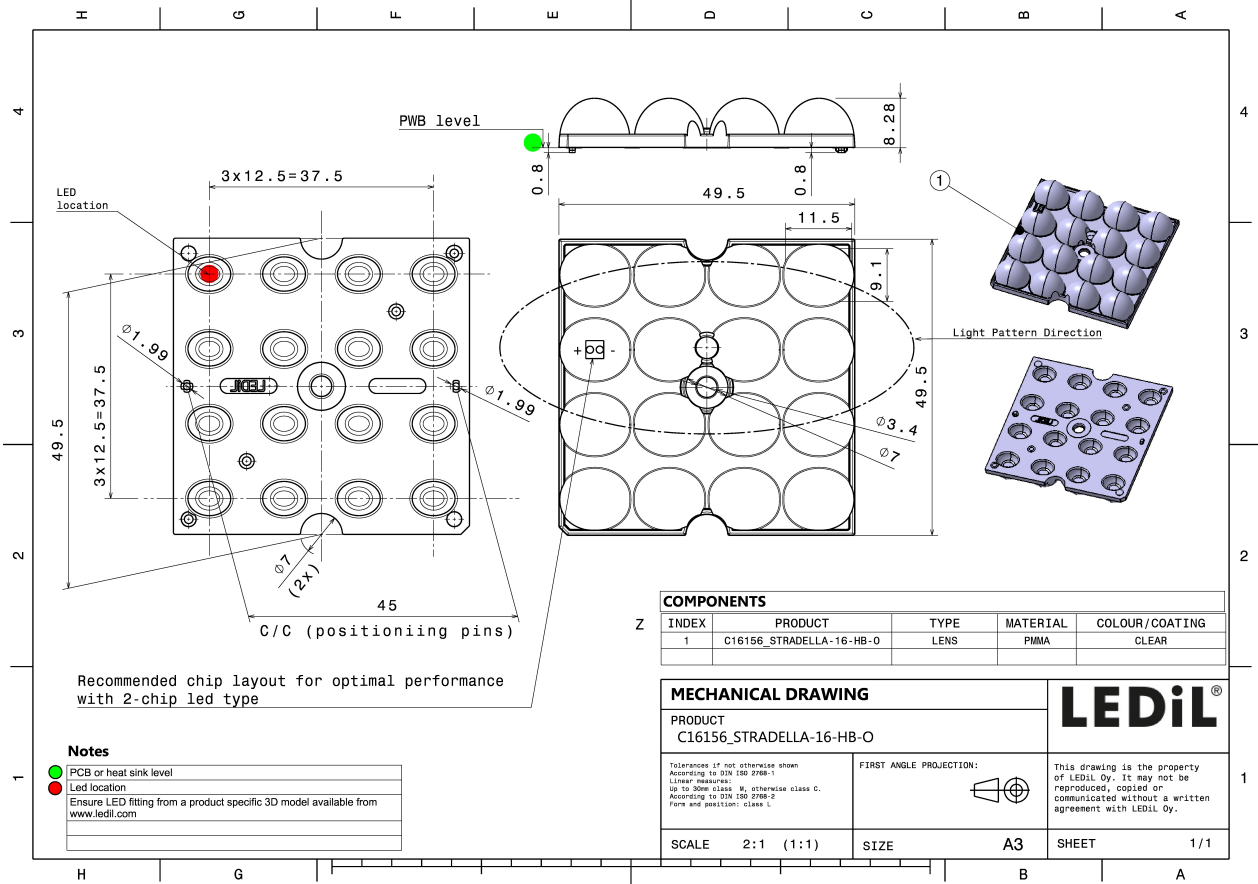
MATERIALS:

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

ORDERING INFORMATION:


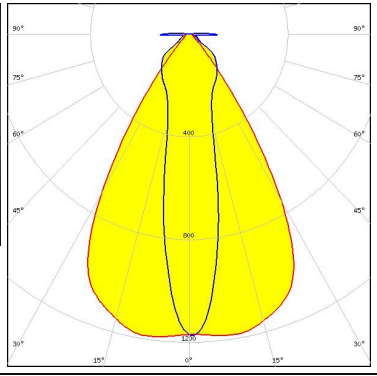

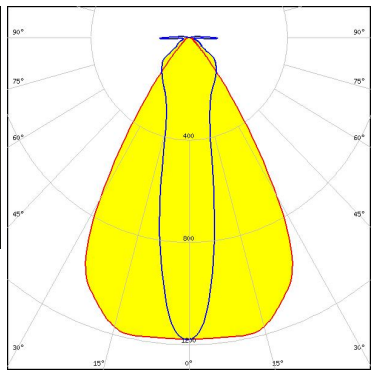

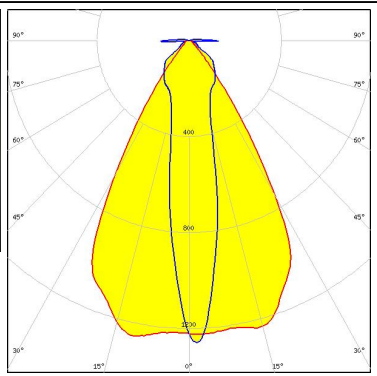

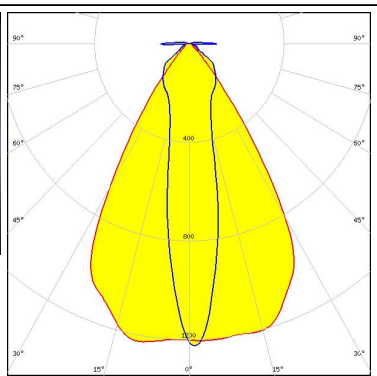
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16156_STRADELLA-16-HB-O » Box size: 476 x 273 x 292 mm	800		160	8.3




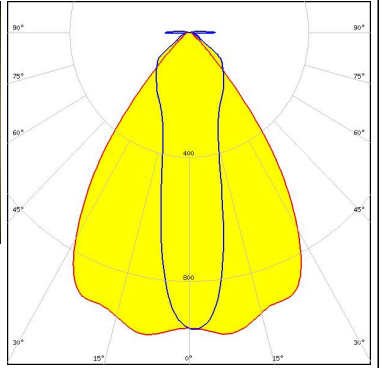

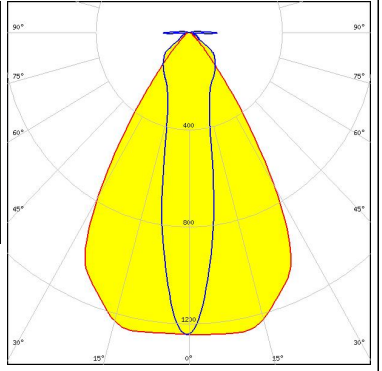
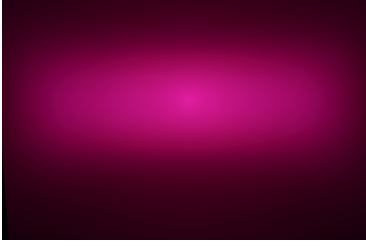
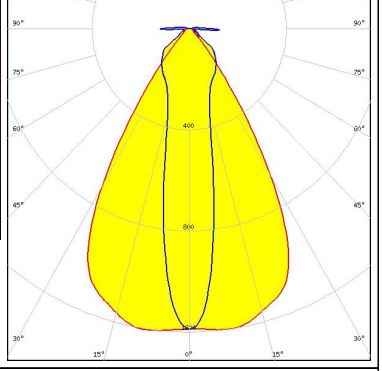

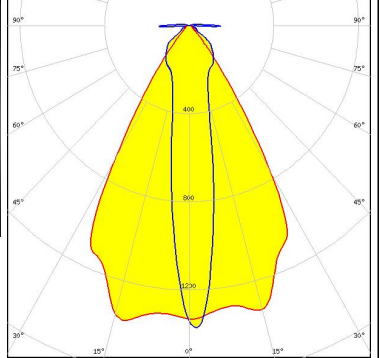


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>CREE LED</p> <p>LED J Series 3030 FWHM / FWTM 64.0 + 21.0° / 85.0 + 140.0° Efficiency 96 % Peak intensity 1.2 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 64.0 + 20.0° / 85.0 + 140.0° Efficiency 97 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NFSx757D FWHM / FWTM 62.0 + 19.0° / 83.0 + 102.0° Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>NICHIA</p> <p>LED NFSx757G FWHM / FWTM 63.0 + 20.0° / 84.0 + 103.0° Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

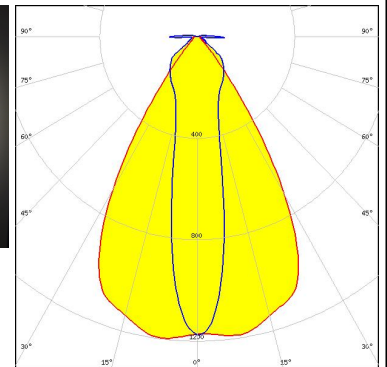
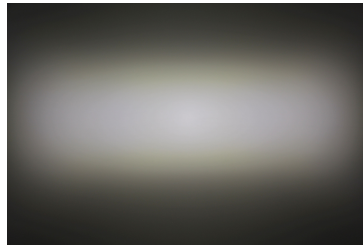
<p>NICHIA</p> <p>LED NVSW319B FWHM / FWTM 72.0 + 24.0° / 93.0 + 109.0° Efficiency 94 % Peak intensity 1 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM</p> <p>LED PrevaLED Brick MP 4x16 FWHM / FWTM 64.0 + 20.0° / 85.0 + 103.0° Efficiency 94 % Peak intensity 1.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip) FWHM / FWTM 63.0 + 20.0° / 84.0 + 177.0° Efficiency 94 % Peak intensity 1.2 cd/lm LEDs/each optic 1 Light colour Purple Required components:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S5 (Single chip) FWHM / FWTM 62.0 + 17.0° / 81.0 + 178.0° Efficiency 94 % Peak intensity 1.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

OPTICAL RESULTS (MEASURED):

OSRAM

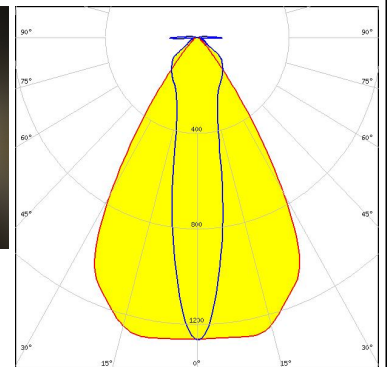
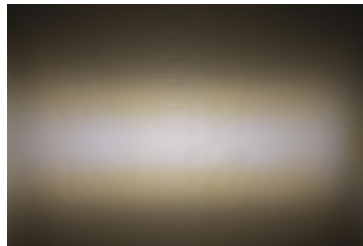
Opto Semiconductors

LED OSCONIQ S 3030 (QSLR31)
 FWHM / FWTM 64.0 + 21.0° / 84.0 + 103.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



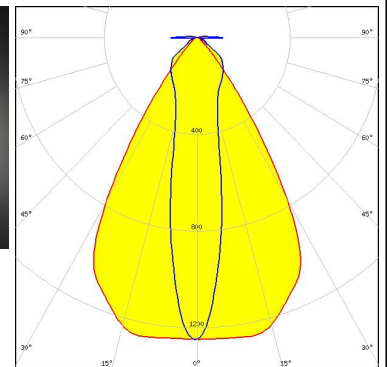
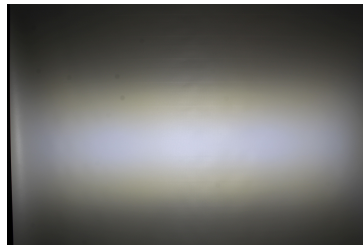
PHILIPS

LED Fortimo FastFlex LED 4x16 DHE G4
 FWHM / FWTM 63.0 + 20.0° / 84.0 + 103.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



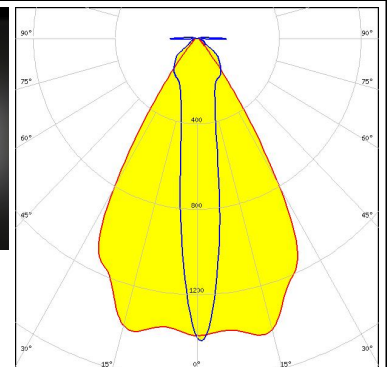
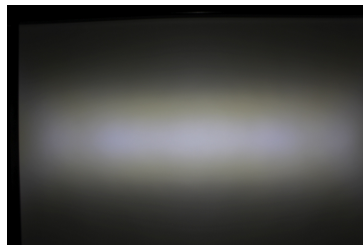
SAMSUNG

LED HiLOM RM64 (LM301B)
 FWHM / FWTM 64.0 + 20.0° / 85.0 + 103.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


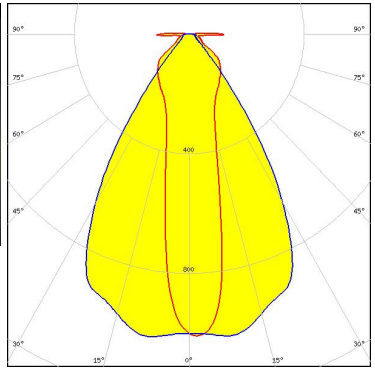

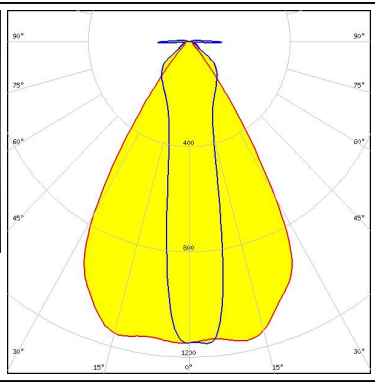
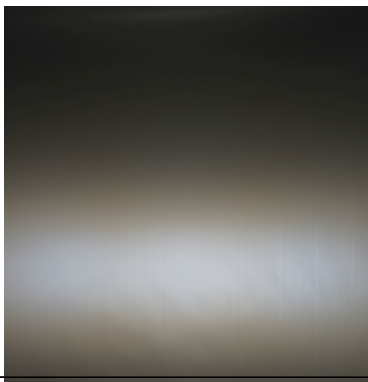
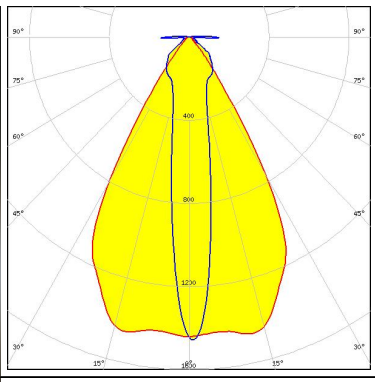

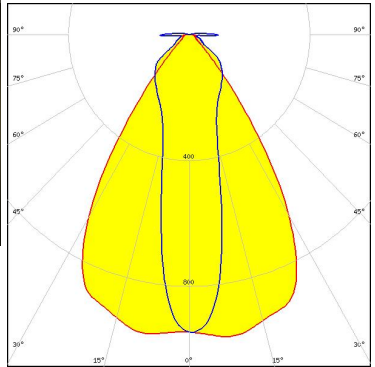


SAMSUNG

LED LM231 A/B
 FWHM / FWTM 62.0 + 15.0° / 80.0 + 136.0°
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



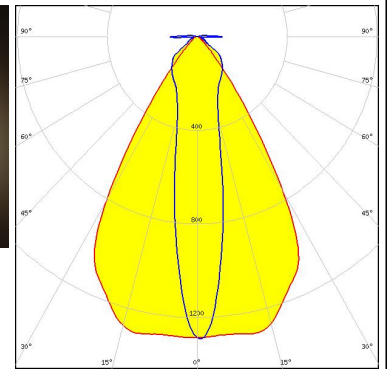
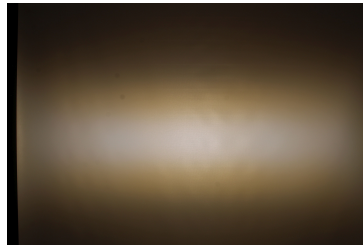
OPTICAL RESULTS (MEASURED):

<p>SCIOLUX</p> <p>LED XLE-S44XTEHE (XT-E HE)</p> <p>FWHM / FWTM 66.0 + 21.0° / 90.0 + 181.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL 3030</p> <p>FWHM / FWTM 64.0 + 20.0° / 83.0 + 179.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>SEOUL SEMICONDUCTOR</p> <p>LED SEOUL DC 3030</p> <p>FWHM / FWTM 61.0 + 16.0° / 79.0 + 135.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.5 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 67.0 + 24.0° / 91.0 + 179.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (MEASURED):

TRIDONIC


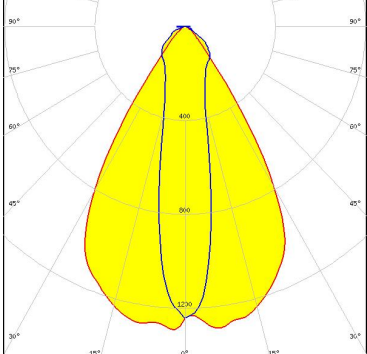

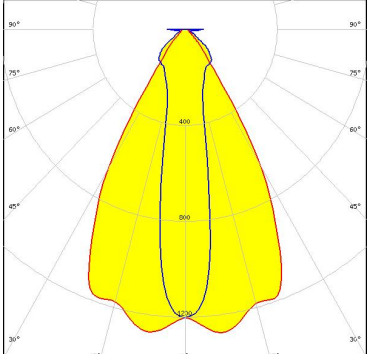

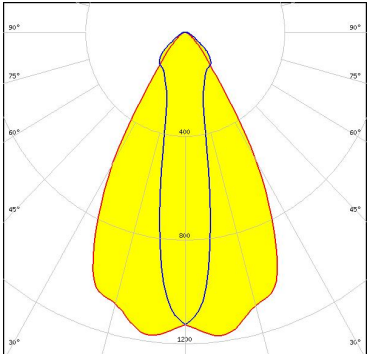

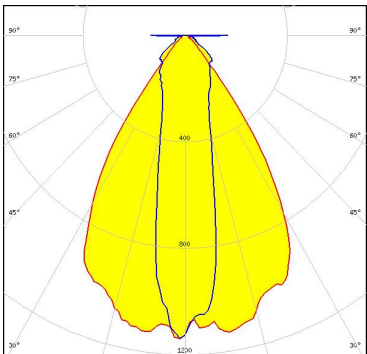
LED RLE 4x16 4000lm MP ADV2 OTD
FWHM / FWTM 64.0 + 19.0° / 84.0 + 102.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



TRIDONIC

LED RLE 4x8 2000lm MP ADV2 OTD
FWHM / FWTM 64.0 + 19.0° / 84.0 + 102.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:

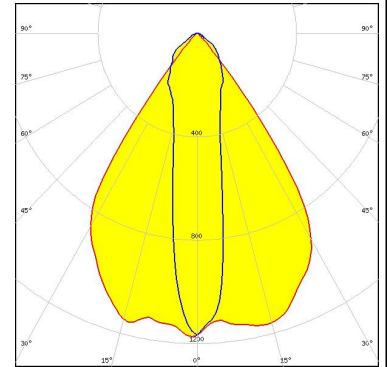
OPTICAL RESULTS (SIMULATED):

<p></p> <p>LED: Bridgelux SMD 2835</p> <p>FWHM / FWTM: 64.0 + 20.0° / 84.0 + 101.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p></p> <p>LED: CSP 2727 (BXCP)</p> <p>FWHM / FWTM: 60.0 + 20.0° / 82.0 + 102.0°</p> <p>Efficiency: 93 %</p> <p>Peak intensity: 1.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p></p> <p>LED: CSP 2727 (BXCP)</p> <p>FWHM / FWTM: 60.0 + 20.0° / 84.0 + 102.0°</p> <p>Efficiency: 83 %</p> <p>Peak intensity: 1.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p></p> <p>LED: XHP35 HI</p> <p>FWHM / FWTM: 67.0 + 22.0° / 86.0 + 105.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

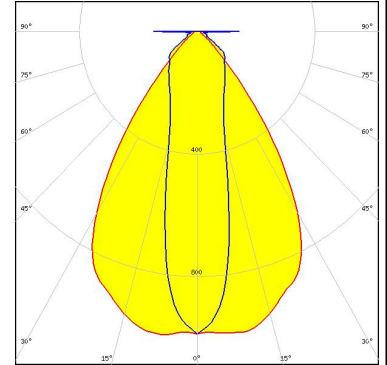
OPTICAL RESULTS (SIMULATED):



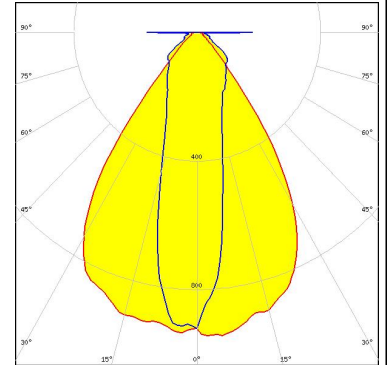
LED XP-G2
 FWHM / FWTM 71.0 + 20.0° / -1.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



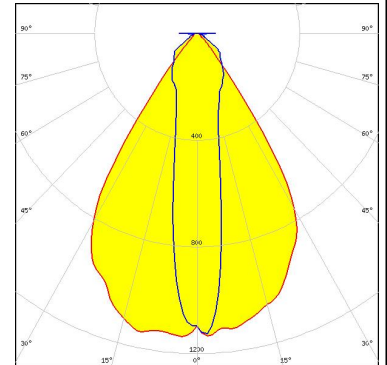
LED XP-G2 HE
 FWHM / FWTM 69.0 + 24.0° / 94.0 + 180.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G3
 FWHM / FWTM 70.0 + 25.0° / 93.0 + 111.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



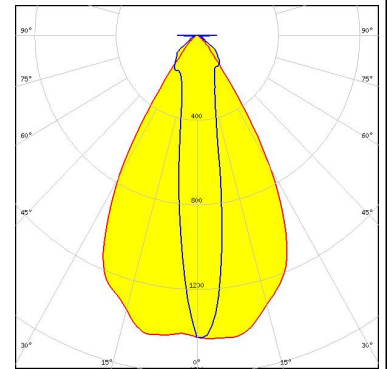
LED XT-E
 FWHM / FWTM 67.0 + 19.0° / -1.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

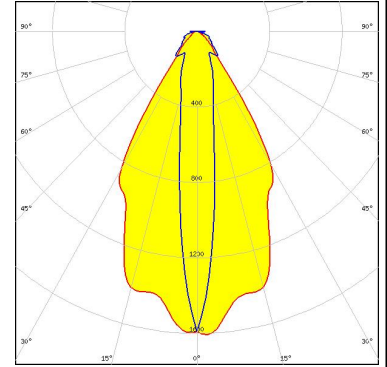
LUMILEDS

LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 50.0 + 16.0° / 80.0 + 89.0°
 Efficiency 91 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



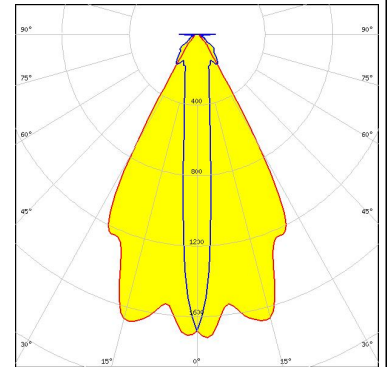
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 60.0 + 14.0° / 81.0 + 88.0°
 Efficiency 94 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



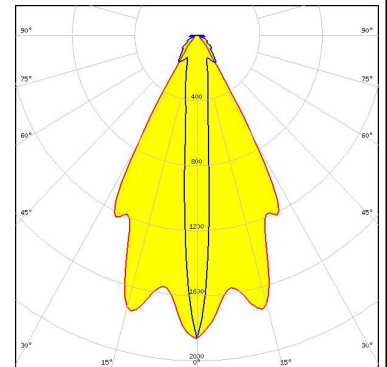
LUMILEDS

LED LUXEON HL1Z
 FWHM / FWTM 58.0 + 12.0° / 72.0 + 84.0°
 Efficiency 93 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



NICHIA

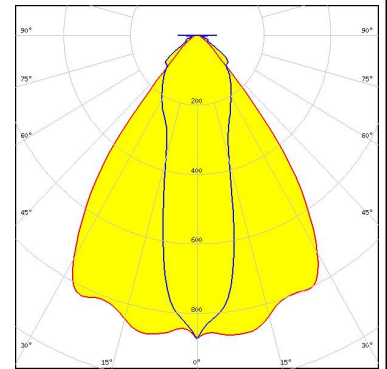
LED NFSWE11A
 FWHM / FWTM 58.0 + 10.0° / 70.0 + 76.0°
 Efficiency 91 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



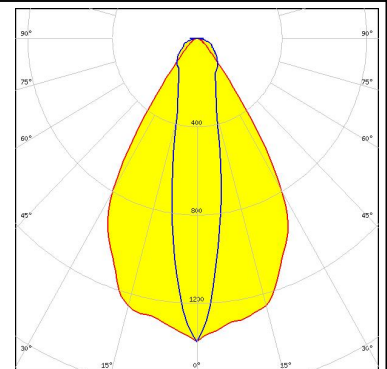
OPTICAL RESULTS (SIMULATED):



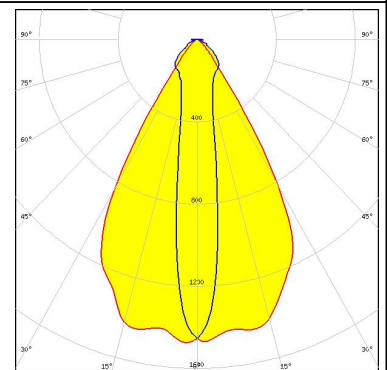
LED NVSW519A
FWHM / FWTM 76.0 + 27.0° / 94.0 + 110.0°
Efficiency 91 %
Peak intensity 0.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED Duris E5
FWHM / FWTM 20.0 + 63.0° / 85.0 + 88.0°
Efficiency 94 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour White
Required components:

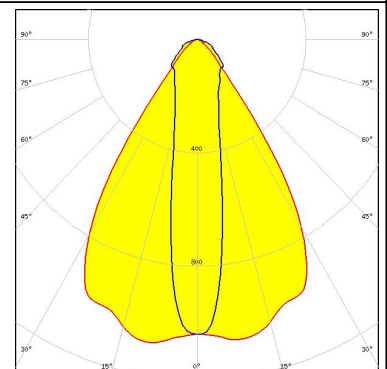


LED OSCONIQ C 2424
FWHM / FWTM 62.0 + 16.0° / 80.0 + 92.0°
Efficiency 94 %
Peak intensity 1.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED OSLOM Square CSSRM2/CSSRM3
FWHM / FWTM 68.0 + 20.0° / 89.0 + 102.0°
Efficiency 86 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

Protective plate, glass

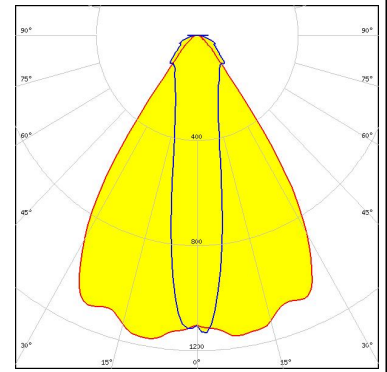


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

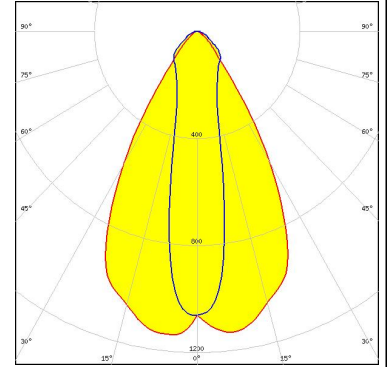
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 69.0 + 20.0° / 87.0 + 100.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



SAMSUNG

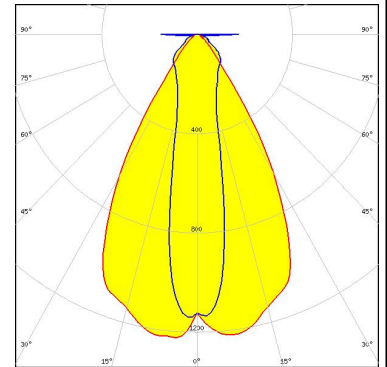
LED LH231B
 FWHM / FWTM 60.0 + 22.0° / 84.0 + 100.0°
 Efficiency 82 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

Protective plate, glass



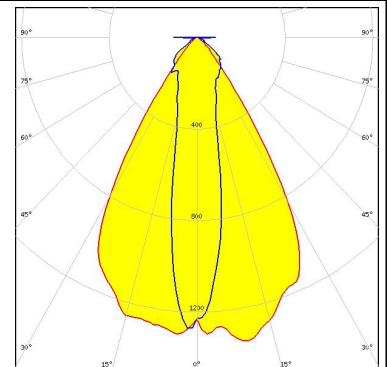
SAMSUNG

LED LH231B
 FWHM / FWTM 61.0 + 22.0° / 84.0 + 98.0°
 Efficiency 92 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

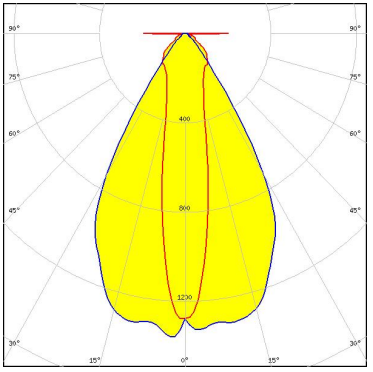
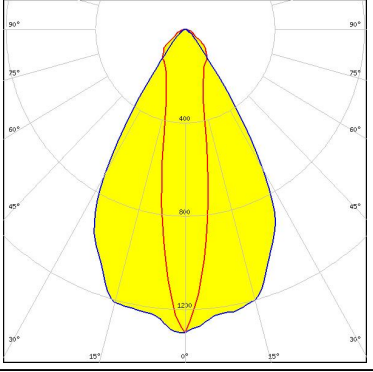
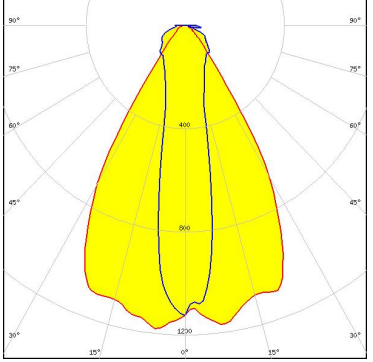


SAMSUNG

LED LM301B
 FWHM / FWTM 19.0 + 63.0° / 83.0 + 97.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030C</p> <p>FWHM / FWTM: 62.0 + 20.0° / 82.0 + 180.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED: SEOUL DC 3030C</p> <p>FWHM / FWTM: 18.0 + 62.0° / 93.0 + 82.0°</p> <p>Efficiency: 86 %</p> <p>Peak intensity: 1.3 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p> <p style="background-color: #ADD8E6; padding: 2px; display: inline-block;">Protective plate, glass</p>	
<p>SEOUL SEMICONDUCTOR</p> <p>LED: Z8Y22T</p> <p>FWHM / FWTM: 63.0 + 20.0° / 85.0 + 101.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 1.2 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:

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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

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