

STRADELLA-16-HB-O

Oval beam for high bay aisles

SPECIFICATION:

Dimensions	49.5 x 49.5
Height	8.3 mm
ROHS compliant	yes ⓘ

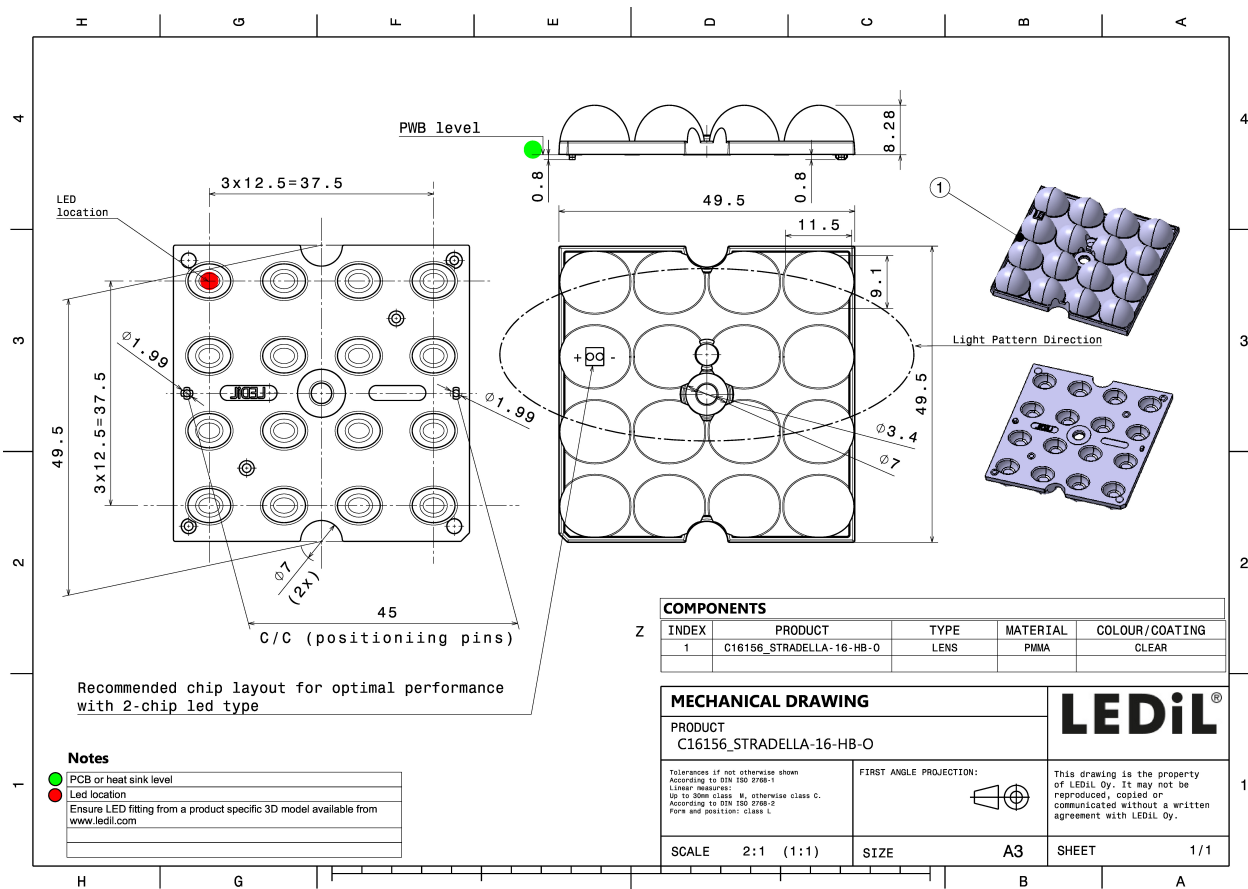
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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

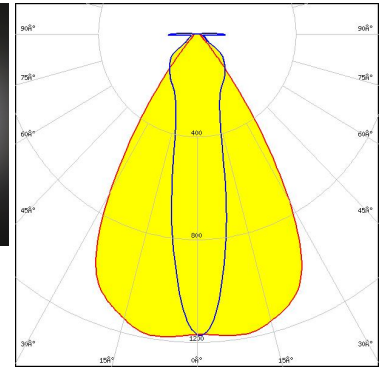


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



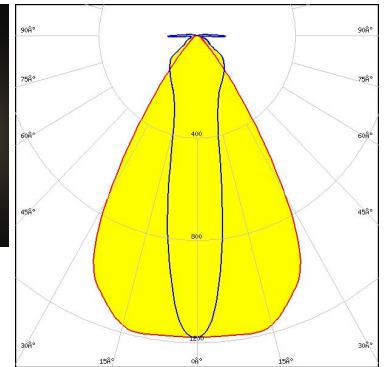
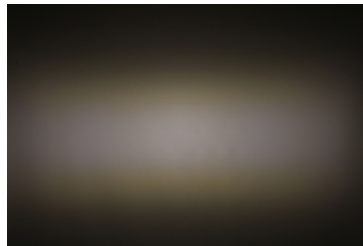
LED JB3030 HE B Class
 FWHM / FWTM 64.0 + 21.0° / 85.0 + 140.0°
 Efficiency 96 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



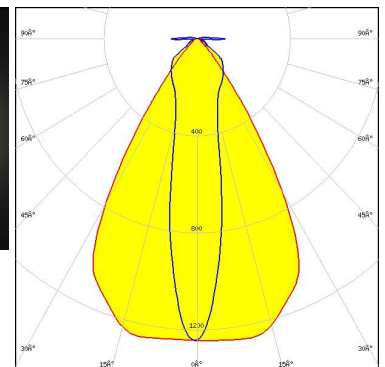
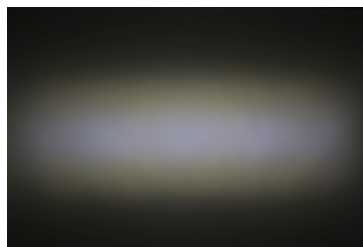
LED EHP-223.5x50-1604-xx-70-LS30-06-NTC
 FWHM / FWTM 64.0 + 20.0° / 85.0 + 140.0°
 Efficiency 97 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:

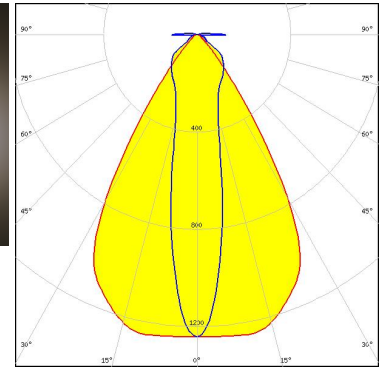


Light distribution files

OPTICAL RESULTS (MEASURED):

MST | Your solutions

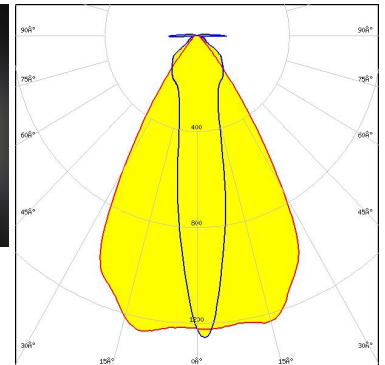
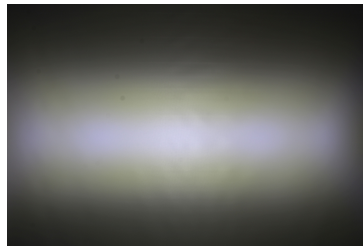
LED RecLED 172x50mm 3000lm 3x16 STRADELLA-16
 FWHM / FWTM 64.0 + 20.0° / 85.0 + 103.0°
 Efficiency 97 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

NICHIA

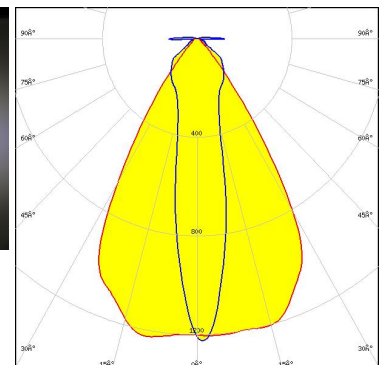
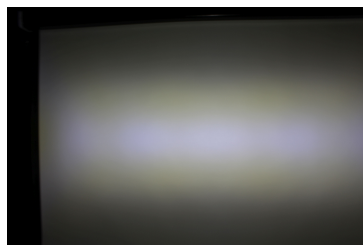
LED NFSx757D
 FWHM / FWTM 62.0 + 19.0° / 83.0 + 102.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

NICHIA

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/type White
 Required components:

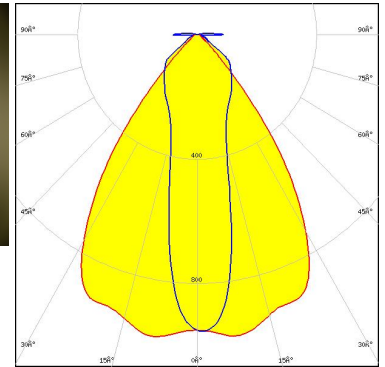
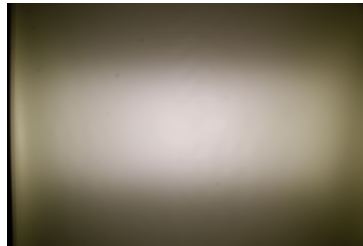


Light distribution files

OPTICAL RESULTS (MEASURED):



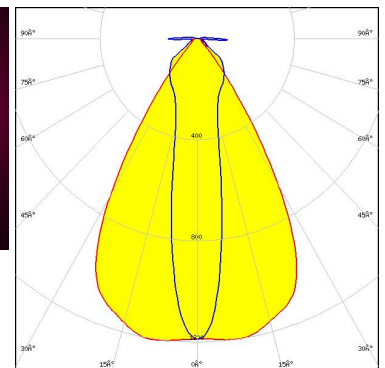
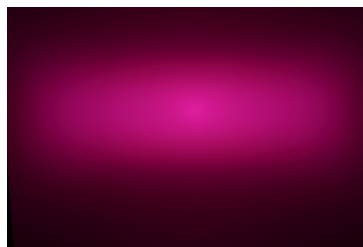
LED NVSW319B
 FWHM / FWTM 72.0 + 24.0° / 93.0 + 109.0°
 Efficiency 94 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



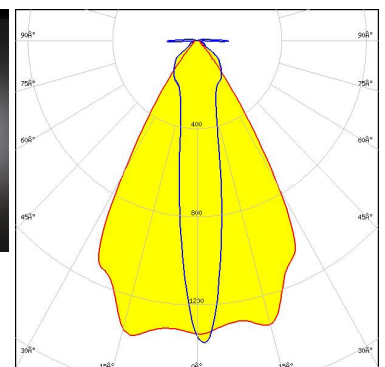
LED DURIS S5 (2 chip)
 FWHM / FWTM 63.0 + 20.0° / 84.0 + 177.0°
 Efficiency 94 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type Purple
 Required components:



Light distribution files



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/type White
 Required components:



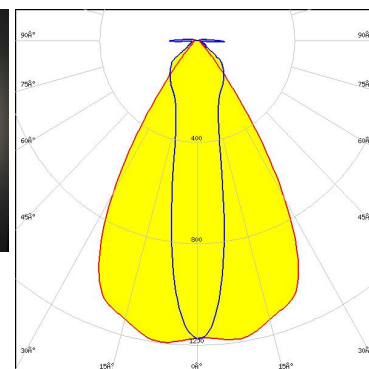
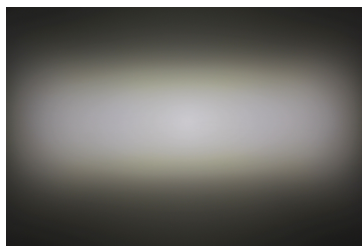
Light distribution files

OPTICAL RESULTS (MEASURED):



OSRAM
Opto Semiconductors

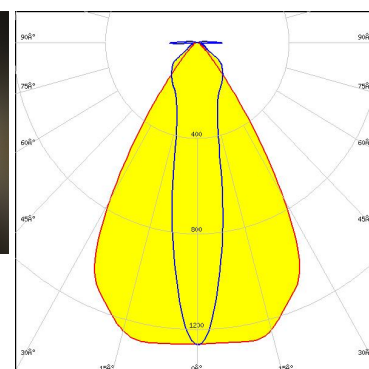
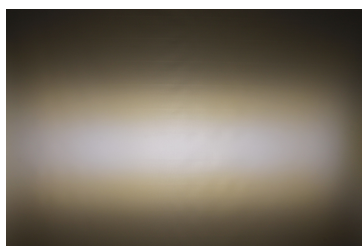
LED	OSCONIQ S 3030 (QSLR31)
FWHM / FWTM	64.0 + 21.0° / 84.0 + 103.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

PHILIPS

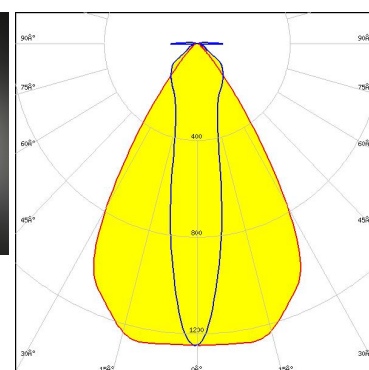
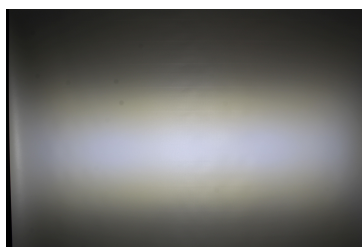
LED	Fortimo FastFlex LED 4x16 DHE G4
FWHM / FWTM	63.0 + 20.0° / 84.0 + 103.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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/type	White
Required components:	

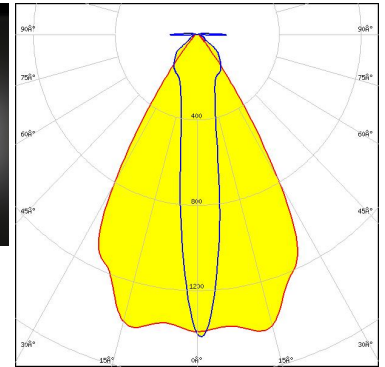
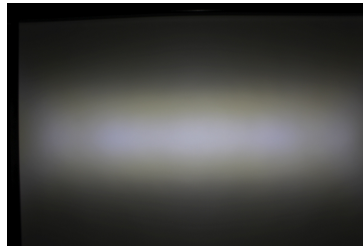


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

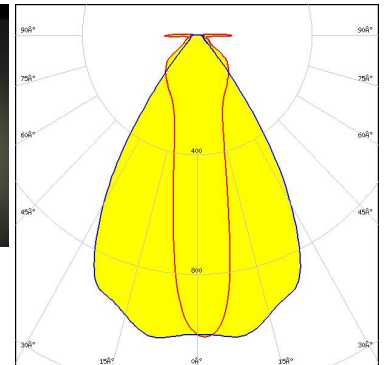
LED	LM231 A/B
FWHM / FWTM	62.0 + 15.0° / 80.0 + 136.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SCIOLUX

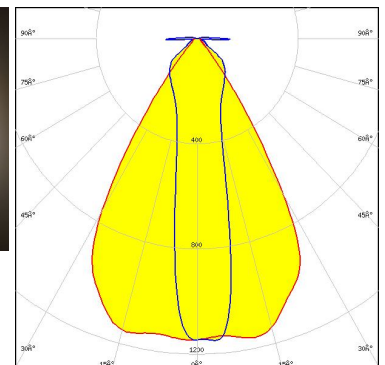
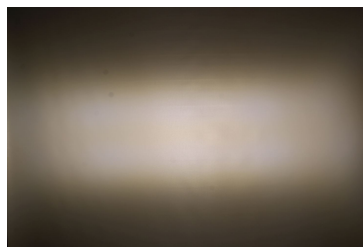
LED	XLE-S44XTEHE (XT-E HE)
FWHM / FWTM	66.0 + 21.0° / 90.0 + 181.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM / FWTM	64.0 + 20.0° / 83.0 + 179.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

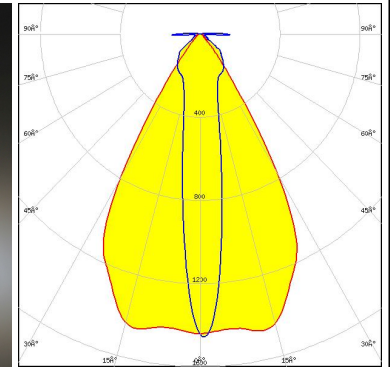
OPTICAL RESULTS (MEASURED):



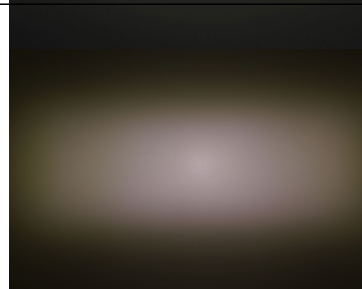
LED: SEOUL DC 3030
 FWHM / FWTM: 61.0 + 16.0° / 79.0 + 135.0°
 Efficiency: 94 %
 Peak intensity: 1.5 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



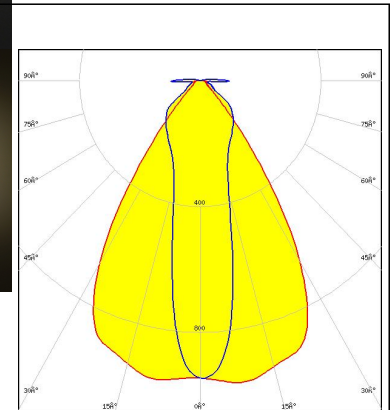
Light distribution files



LED: Z5M3
 FWHM / FWTM: 67.0 + 24.0° / 91.0 + 179.0°
 Efficiency: 94 %
 Peak intensity: 1 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:

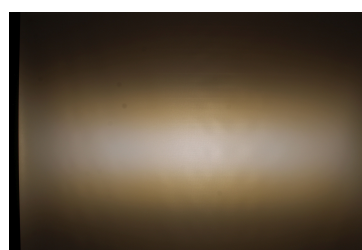


Light distribution files

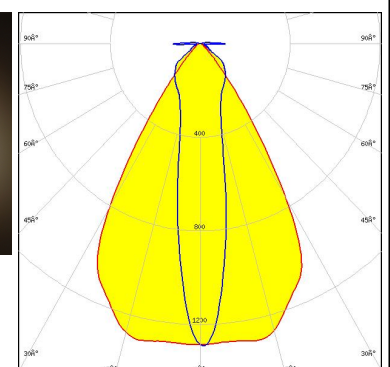


TRIDONIC

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/type: White
 Required components:



Light distribution files



OPTICAL RESULTS (MEASURED):

TRIDONIC

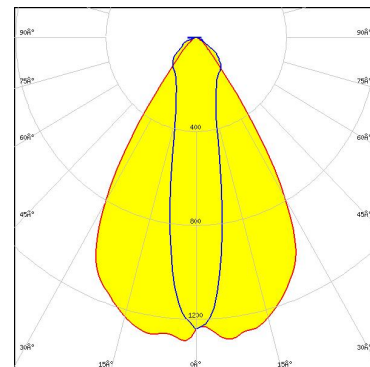
LED	RLE 4x8 2000lm MP ADV2 OTD
FWHM / FWTM	64.0 + 19.0° / 84.0 + 102.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):



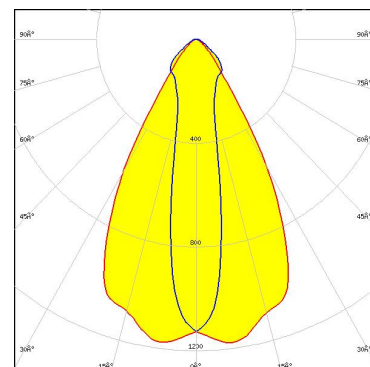
LED Bridgelux SMD 2835
 FWHM / FWTM $64.0 + 20.0^\circ / 84.0 + 101.0^\circ$
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED CSP 2727 (BXCP)
 FWHM / FWTM $60.0 + 20.0^\circ / 84.0 + 102.0^\circ$
 Efficiency 83 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

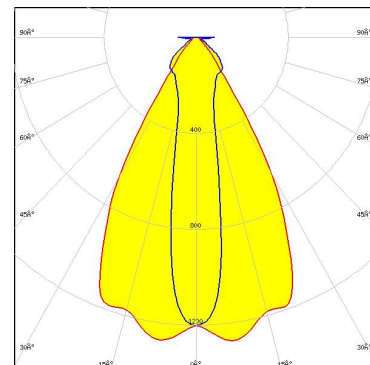


Light distribution files

Protective plate, glass



LED CSP 2727 (BXCP)
 FWHM / FWTM $60.0 + 20.0^\circ / 82.0 + 102.0^\circ$
 Efficiency 93 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

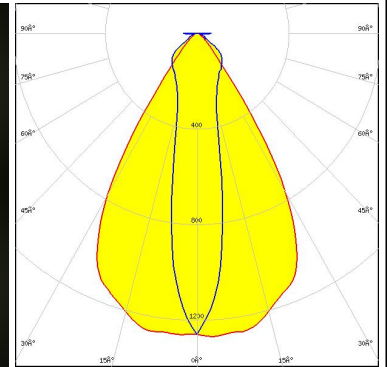
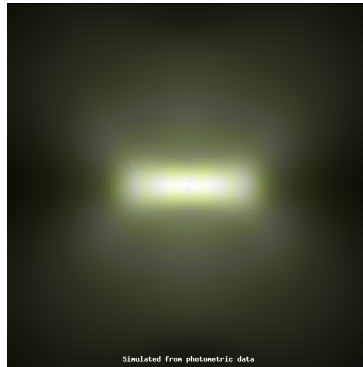


Light distribution files

OPTICAL RESULTS (SIMULATED):



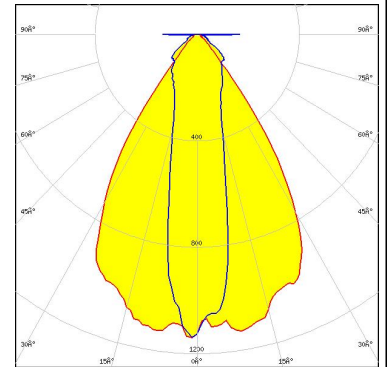
LED J Series 3030C
 FWHM / FWTM 64.0 + 20.0° / 84.0 + 102.0°
 Efficiency 94 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



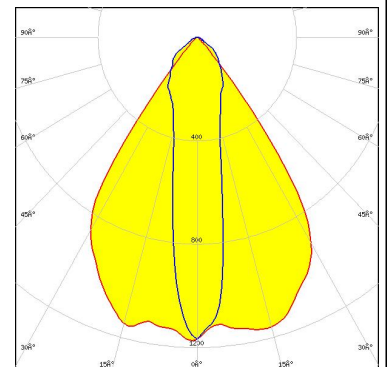
LED XHP35 HI
 FWHM / FWTM 67.0 + 22.0° / 86.0 + 105.0°
 Efficiency 94 %
 Peak intensity 1.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:

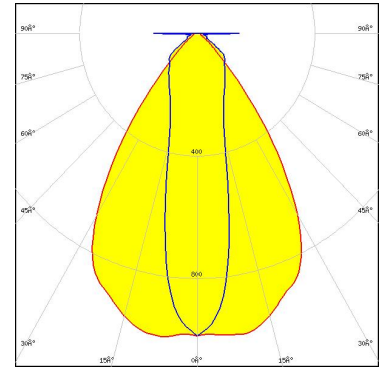


Light distribution files

OPTICAL RESULTS (SIMULATED):



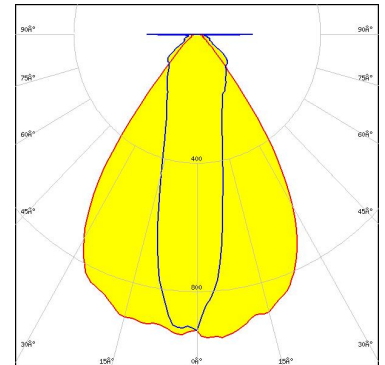
LED XP-G2 HE
 FWHM / FWTM 69.0 + 24.0° / 94.0 + 180.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



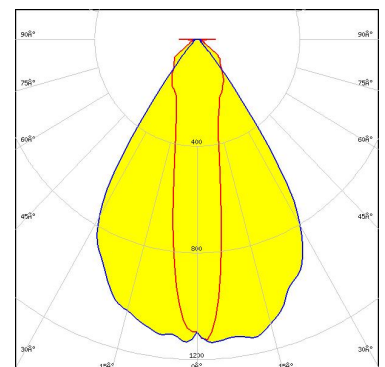
LED XP-G3
 FWHM / FWTM 70.0 + 25.0° / 93.0 + 111.0°
 Efficiency 92 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XT-E
 FWHM / FWTM 67.0 + 18.0° / 83.0 + 102.0°
 Efficiency 87 %
 Peak intensity 1.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

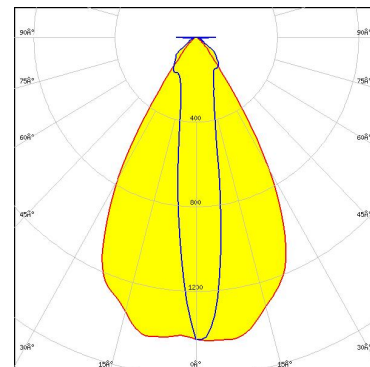


Light distribution files

OPTICAL RESULTS (SIMULATED):



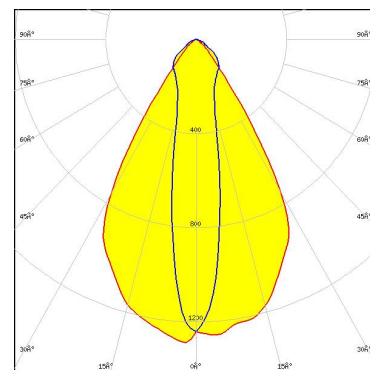
LED LUXEON 3030 2D (Round LES)
 FWHM / FWTM 50.0 + 16.0° / 80.0 + 89.0°
 Efficiency 91 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON 3535L HE PLUS
 FWHM / FWTM 64.0 + 20.0° / 84.0 + 97.0°
 Efficiency 86 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

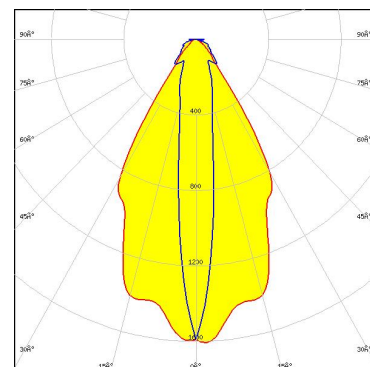


Light distribution files

Protective plate, glass



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/type White
 Required components:

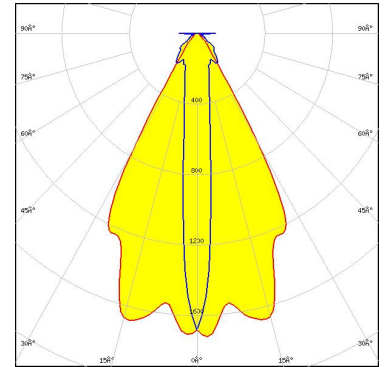


Light distribution files

OPTICAL RESULTS (SIMULATED):



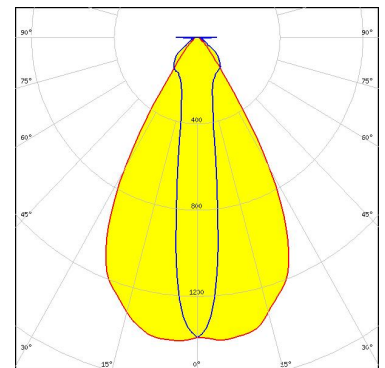
LED LUXEON HL1Z
 FWHM / FWTM 58.0 + 12.0° / 72.0 + 84.0°
 Efficiency 93 %
 Peak intensity 1.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



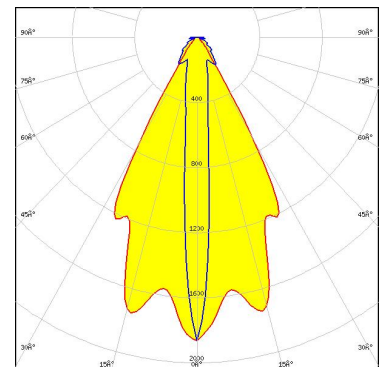
LED LUXEON HL2Z
 FWHM / FWTM 60.0 + 16.0° / 80.0 + 96.0°
 Efficiency 92 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



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/type White
 Required components:

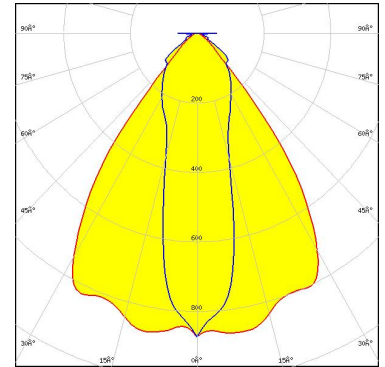


Light distribution files

OPTICAL RESULTS (SIMULATED):



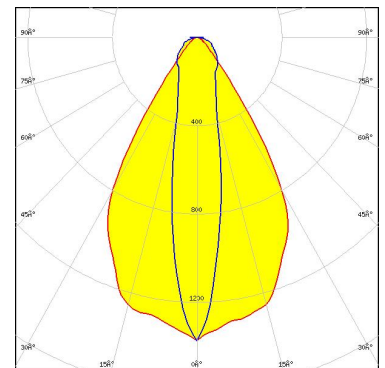
LED NVSW519A
 FWHM / FWTM 76.0 + 27.0° / 94.0 + 110.0°
 Efficiency 91 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



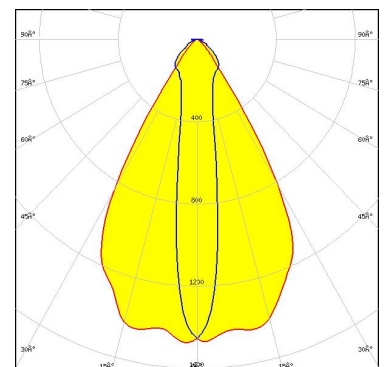
LED Duris E5
 FWHM / FWTM 20.0 + 63.0° / 85.0 + 88.0°
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSCONIQ C 2424 Gen1
 FWHM / FWTM 62.0 + 16.0° / 80.0 + 92.0°
 Efficiency 94 %
 Peak intensity 1.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

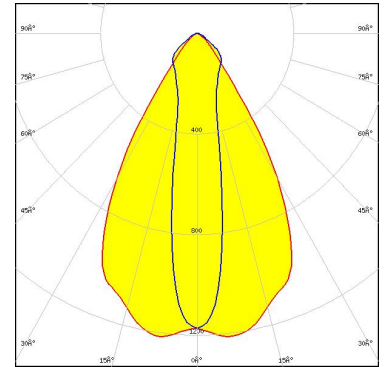
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED OSCONIQ C 3030
FWHM / FWTM 62.0 + 20.0° / 84.0 + 100.0°
Efficiency 85 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Protective plate, glass

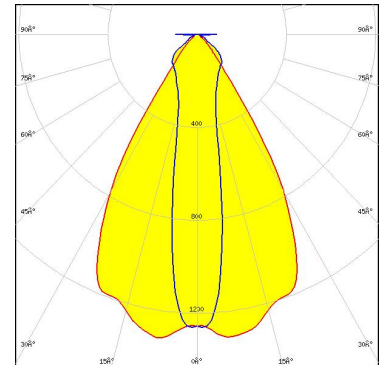
Light distribution files



OSRAM
Opto Semiconductors

LED OSCONIQ C 3030
FWHM / FWTM 64.0 + 20.0° / 82.0 + 102.0°
Efficiency 94 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

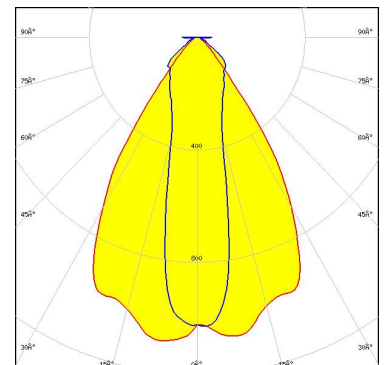
Light distribution files



OSRAM
Opto Semiconductors

LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 68.0 + 24.0° / 90.0 + 108.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

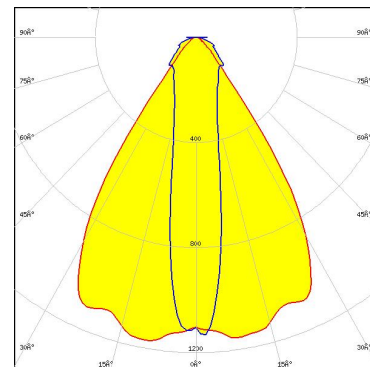
Light distribution files



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

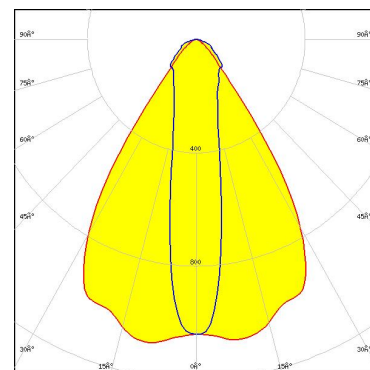
LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 69.0 + 20.0° / 87.0 + 100.0°
Efficiency 94 %
Peak intensity 1.2 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON 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/type White
Required components:

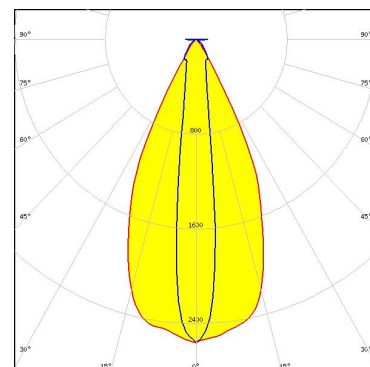


Light distribution files

Protective plate, glass

OSRAM
Opto Semiconductors

LED SFH 4715AS
FWHM / FWTM 50.0 + 14.0° / 66.0 + 39.0°
Efficiency 93 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

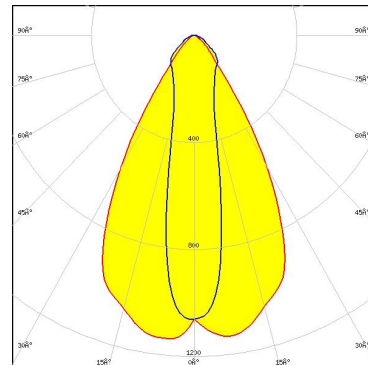
OPTICAL RESULTS (SIMULATED):

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/type White
 Required components:

Protective plate, glass

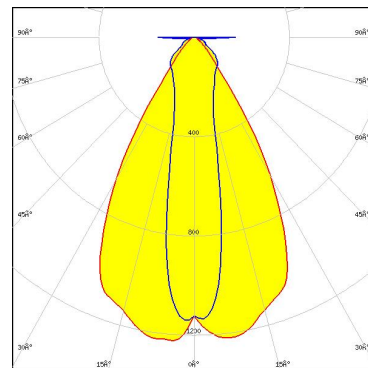
Light distribution files



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/type White
 Required components:

Light distribution files

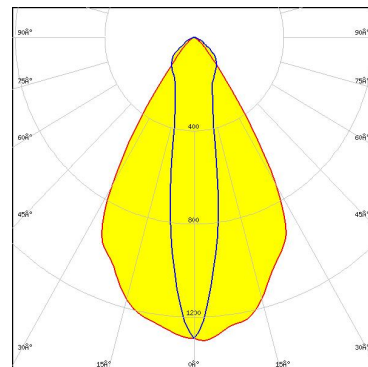


SAMSUNG

LED LM301B
 FWHM / FWTM 62.0 + 18.0° / 84.0 + 96.0°
 Efficiency 86 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Protective plate, glass

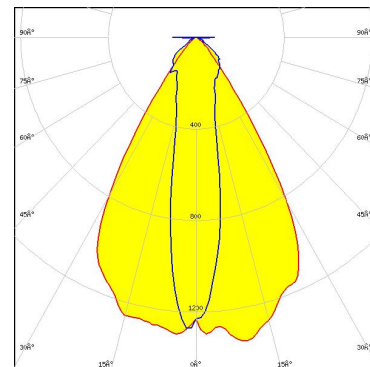
Light distribution files



OPTICAL RESULTS (SIMULATED):

SAMSUNG

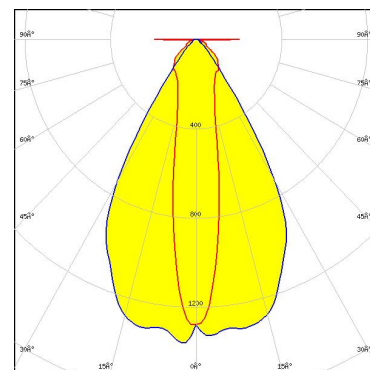
LED LM301B
 FWHM / FWTM 19.0 + 63.0° / 83.0 + 97.0°
 Efficiency 93 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



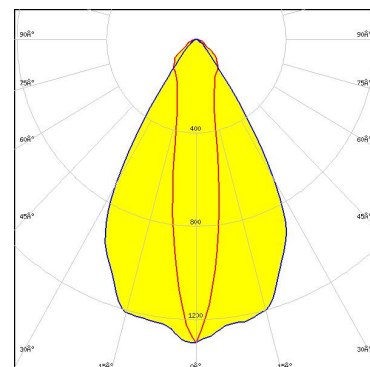
LED SEOUL DC 3030C
 FWHM / FWTM 62.0 + 20.0° / 82.0 + 180.0°
 Efficiency 94 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED SEOUL DC 3030C
 FWHM / FWTM 18.0 + 62.0° / 93.0 + 82.0°
 Efficiency 86 %
 Peak intensity 1.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



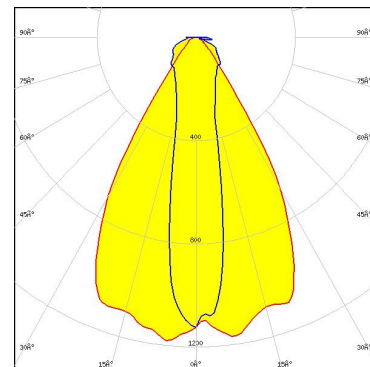
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	Z8Y22T
FWHM / FWTM	63.0 + 20.0° / 85.0 + 101.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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.

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