STRADELLA-16-HB-S

~25° spot beam for industrial applications

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	7.5 mm
Fastening	pin, screw
ROHS compliant	yes

MATERIALS:

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

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15430_STRADELLA-16-HB-S » Box size: 480 x 280 x 300 mm	800	160	160	6.3

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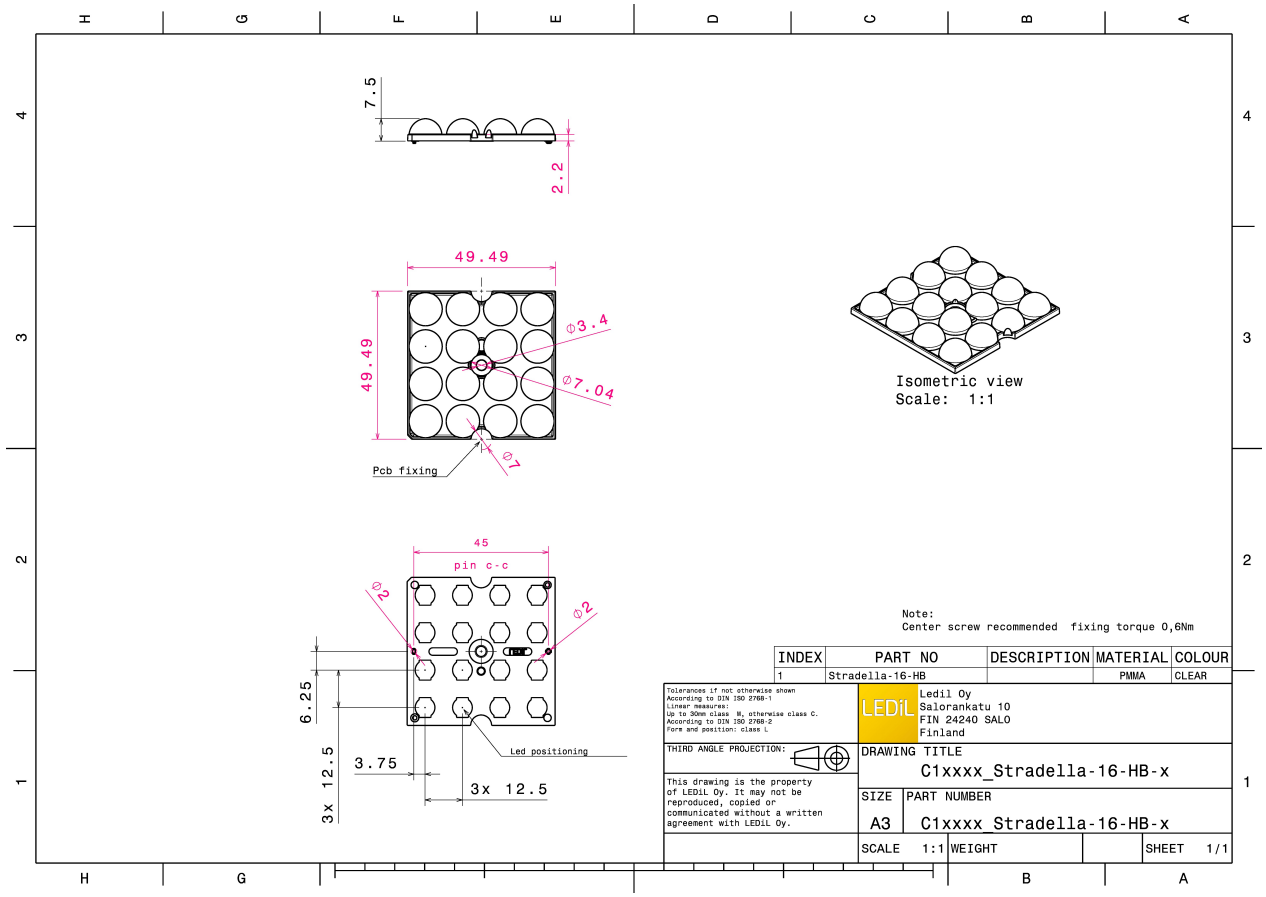

See also our general installation guide: www.ledil.com/installation_guide

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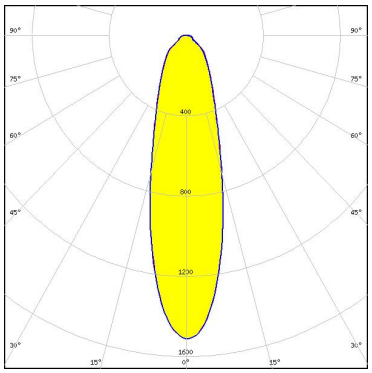
OPTICAL RESULTS (MEASURED):

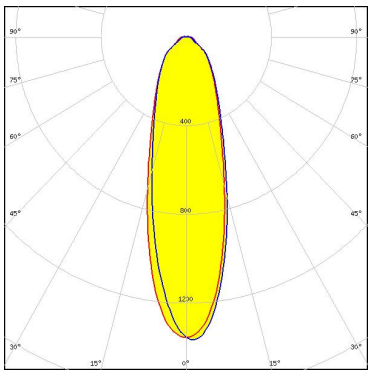
CREE LED

LED	J Series 3030
FWHM / FWTM	29.0° / 86.0°
Efficiency	91 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



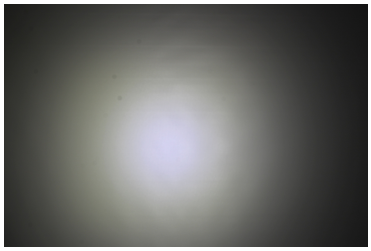
ELECTRIO

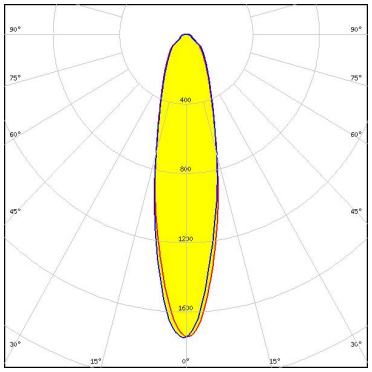
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC
FWHM / FWTM	30.0° / 95.0°
Efficiency	93 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

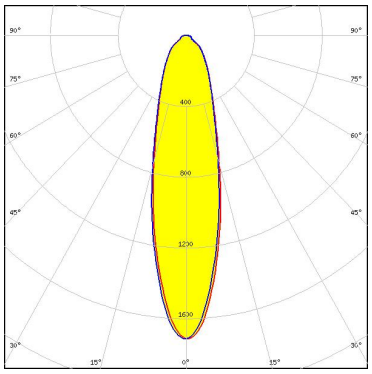
LED	NFSx757D
FWHM / FWTM	25.0° / 78.0°
Efficiency	90 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





NICHIA

LED	NFSx757G
FWHM / FWTM	27.0° / 80.0°
Efficiency	93 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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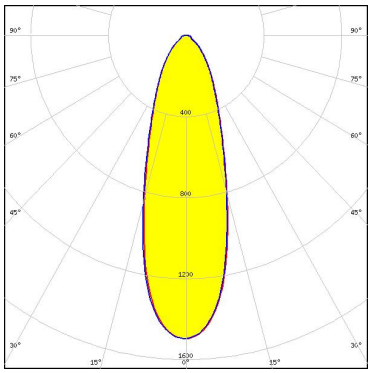
OPTICAL RESULTS (MEASURED):

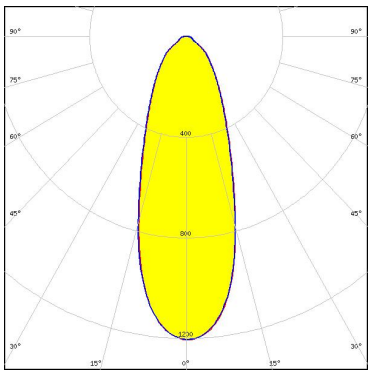
NICHIA

LED	NVSW219D
FWHM / FWTM	32.0° / 83.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



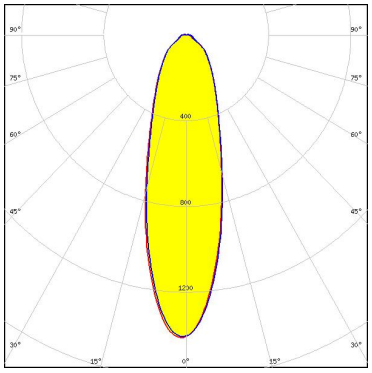
NICHIA

LED	NVSW319B
FWHM / FWTM	37.0° / 97.0°
Efficiency	93 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



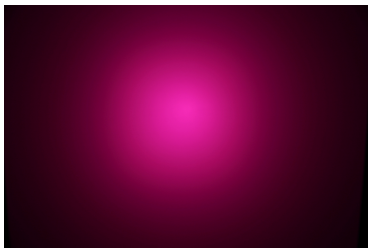
OSRAM

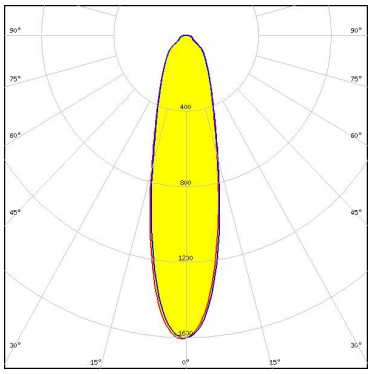
LED	PrevaLED Brick MP 4x16
FWHM / FWTM	30.0° / 92.0°
Efficiency	92 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM / FWTM	27.0° / 83.0°
Efficiency	92 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	Purple
Required components:	





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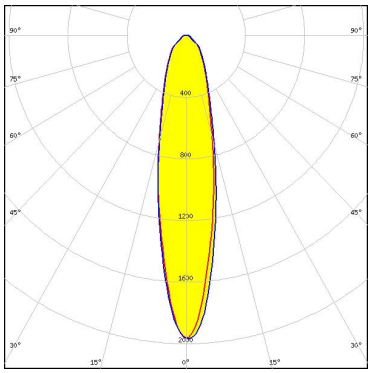
OPTICAL RESULTS (MEASURED):

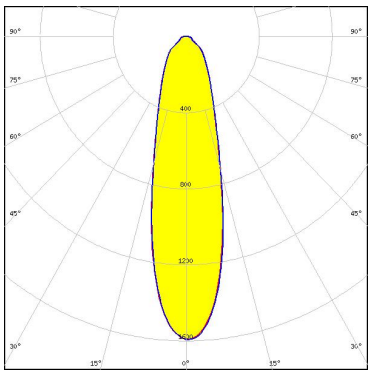
OSRAM Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	23.0° / 72.0°
Efficiency	90 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



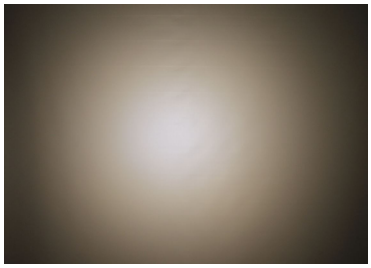
OSRAM Opto Semiconductors

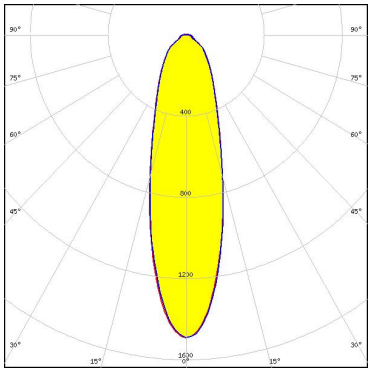
LED	OSCONIQ S 3030 (QSLR31)
FWHM / FWTM	28.0° / 82.0°
Efficiency	91 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHILIPS

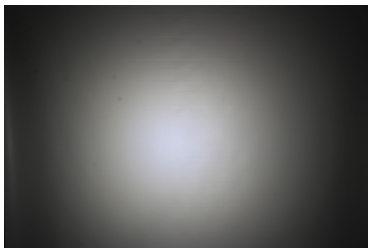
LED	Fortimo FastFlex LED 4x16 DHE G4
FWHM / FWTM	29.0° / 88.0°
Efficiency	92 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

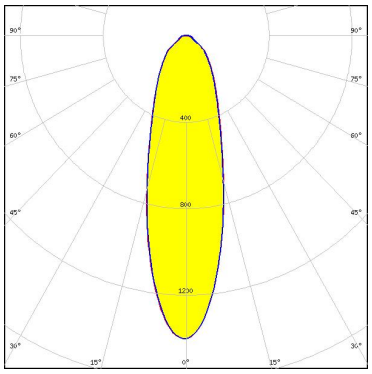




SAMSUNG

LED	HiLOM RM64 (LM301B)
FWHM / FWTM	30.0° / 92.0°
Efficiency	93 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





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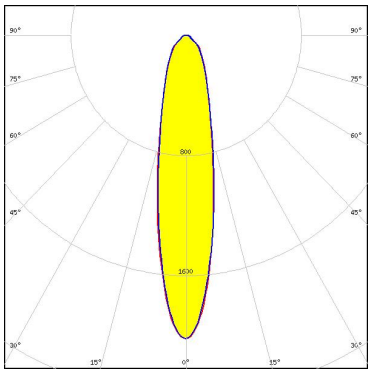
OPTICAL RESULTS (MEASURED):

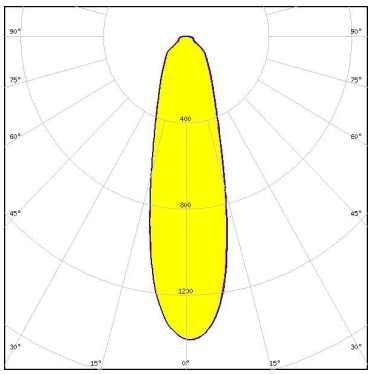
SAMSUNG

LED	LM231 A/B
FWHM / FWTM	22.0° / 70.0°
Efficiency	91 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



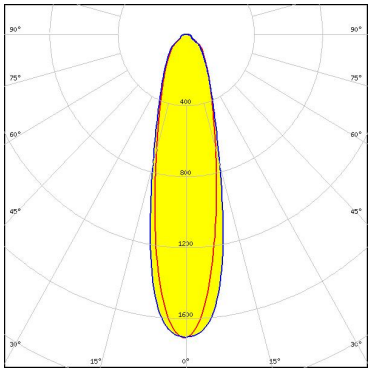
SCIOLUX

LED	XLE-S44XTEHE (XT-E HE)
FWHM / FWTM	29.0° / 89.0°
Efficiency	92 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



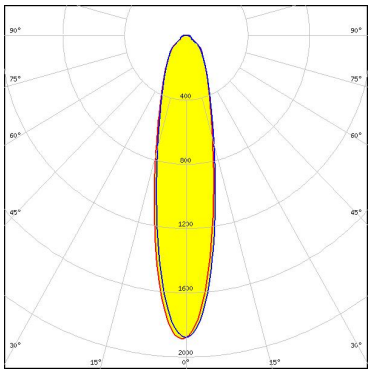
SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM / FWTM	26.0° / 78.0°
Efficiency	90 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030
FWHM / FWTM	24.0° / 75.0°
Efficiency	94 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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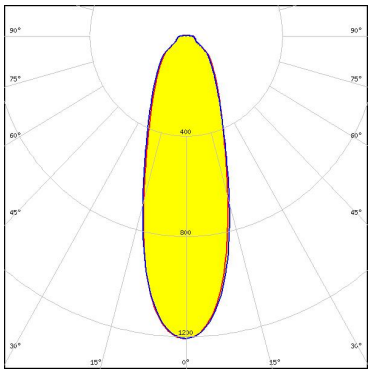
OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	33.0° / 100.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White

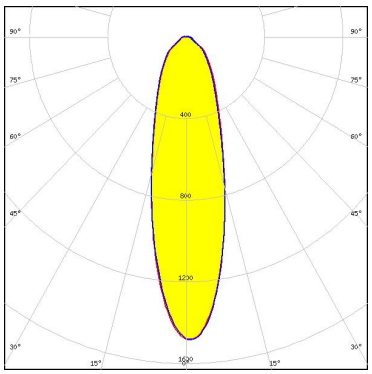
Required components:



TRIDONIC

LED	RLE 4x16 4000lm MP ADV2 OTD
FWHM / FWTM	29.0° / 89.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



TRIDONIC

LED	RLE 4x8 2000lm MP ADV2 OTD
FWHM / FWTM	29.0° / 89.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

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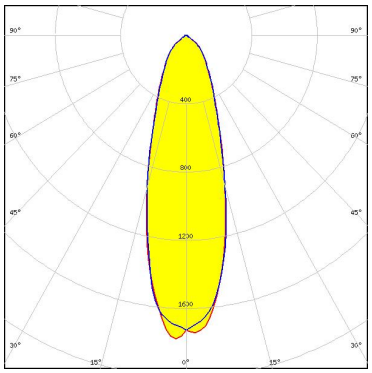
OPTICAL RESULTS (SIMULATED):

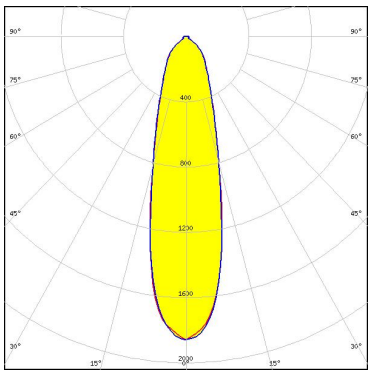
bridgelux

LED	Bridgelux SMD 2835
FWHM / FWTM	31.0° / 81.0°
Efficiency	94 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



bridgelux

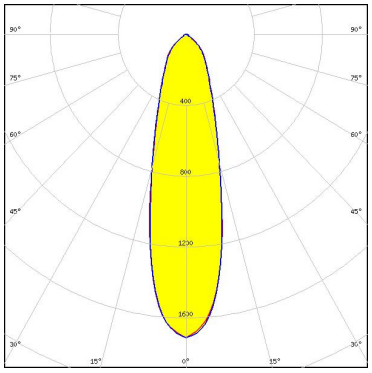
LED	CSP 2727 (BXCP)
FWHM / FWTM	28.0° / 80.0 + 78.0°
Efficiency	93 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



bridgelux

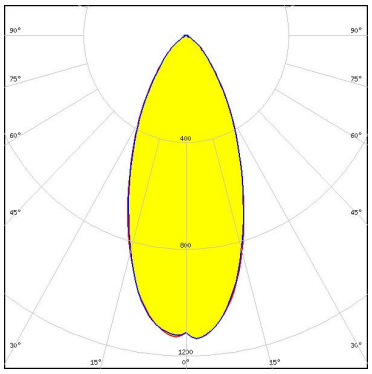
LED	CSP 2727 (BXCP)
FWHM / FWTM	28.0° / 80.0 + 78.0°
Efficiency	84 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



CREE LED

LED	XP-G2 HE
FWHM / FWTM	46.0° / 90.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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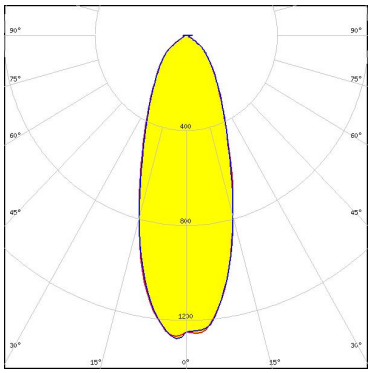
OPTICAL RESULTS (SIMULATED):

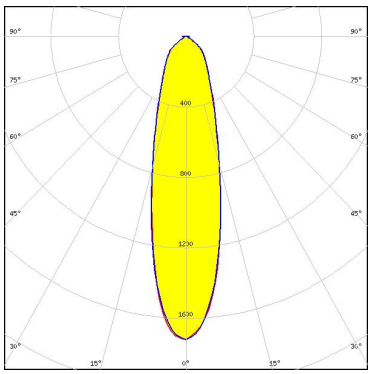
CREE LED

LED	XP-G3
FWHM / FWTM	37.0° / 95.0°
Efficiency	91 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

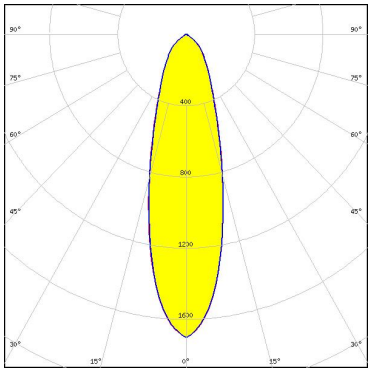
LED	XT-E
FWHM / FWTM	28.0° / 82.0°
Efficiency	91 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

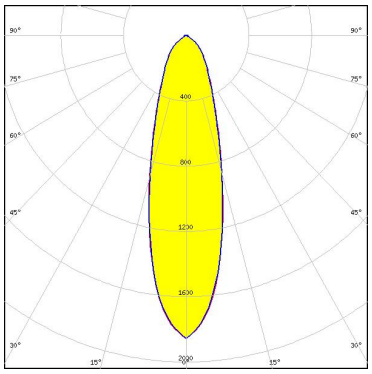
LED	LUXEON 2835 Line
FWHM / FWTM	30.0° / 78.0°
Efficiency	85 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



LUMILEDS

LED	LUXEON 2835 Line
FWHM / FWTM	28.0° / 78.0°
Efficiency	93 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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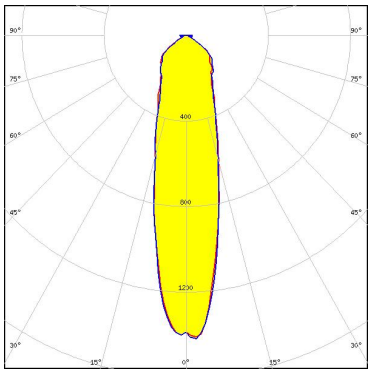
OPTICAL RESULTS (SIMULATED):

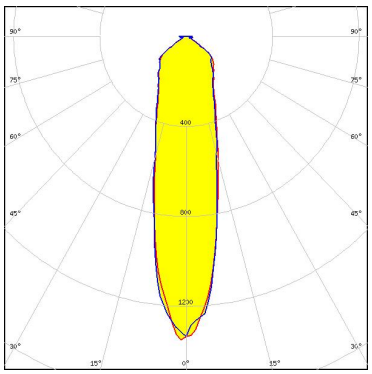
LUMILEDS

LED	LUXEON C
FWHM / FWTM	25.0° / 104.0°
Efficiency	91 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



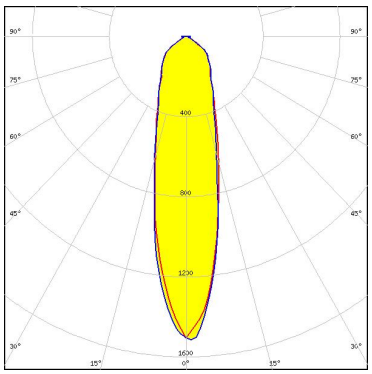
LUMILEDS

LED	LUXEON C
FWHM / FWTM	25.0° / 107.0°
Efficiency	90 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



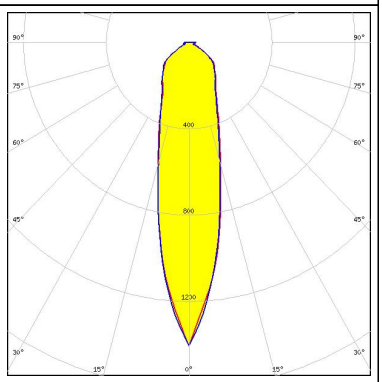
LUMILEDS

LED	LUXEON C
FWHM / FWTM	25.0° / 96.0°
Efficiency	91 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON C
FWHM / FWTM	25.0° / 105.0°
Efficiency	91 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



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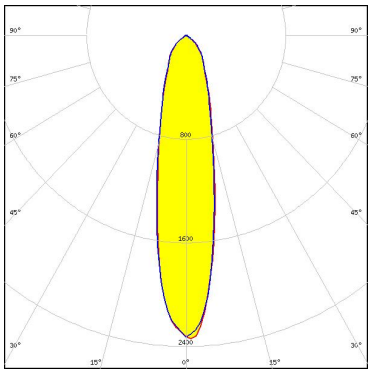
OPTICAL RESULTS (SIMULATED):

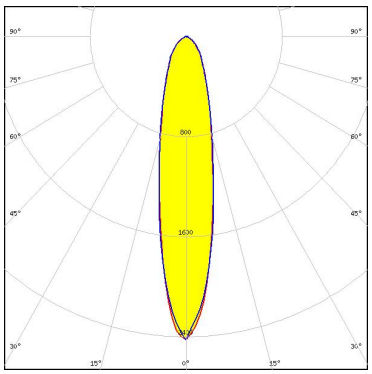
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	23.0° / 70.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



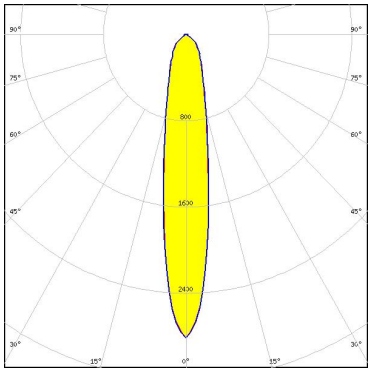
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	22.0° / 67.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



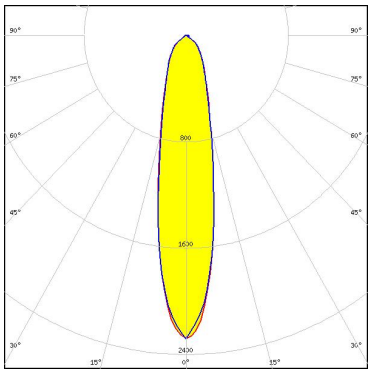
LUMILEDS

LED	LUXEON HL1Z
FWHM / FWTM	18.0° / 62.0°
Efficiency	94 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NCSxE17A
FWHM / FWTM	22.0° / 69.0°
Efficiency	91 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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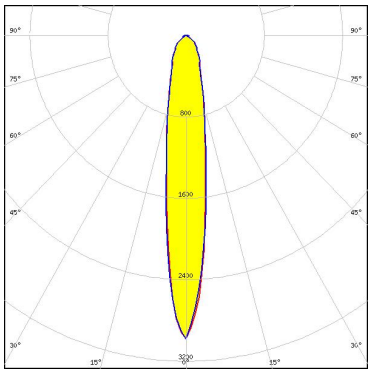
OPTICAL RESULTS (SIMULATED):

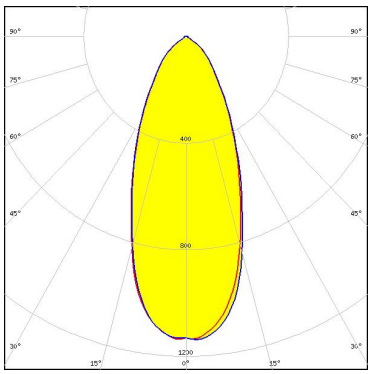
NICHIA

LED	NFSWE11A
FWHM / FWTM	16.0° / 56.0°
Efficiency	90 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



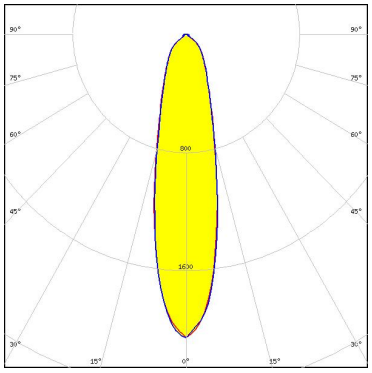
NICHIA

LED	NVSW519A
FWHM / FWTM	43.0° / 95.0°
Efficiency	90 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



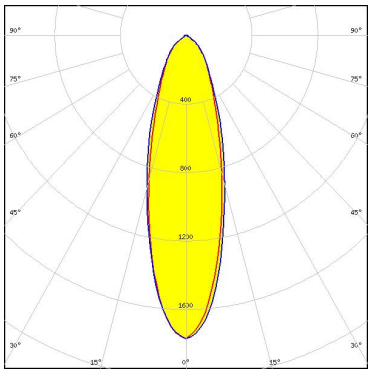
NICHIA

LED	NVSxE21A
FWHM / FWTM	25.0° / 74.0°
Efficiency	92 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	Duris E5
FWHM / FWTM	30.0° / 80.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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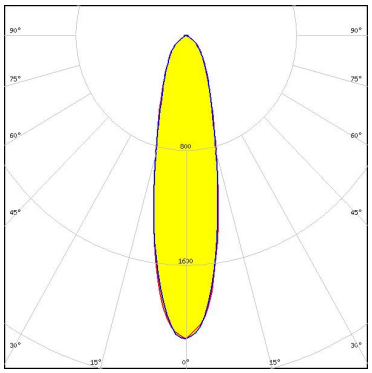
OPTICAL RESULTS (SIMULATED):

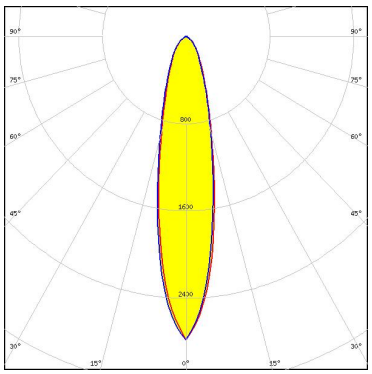
OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	26.0° / 73.0°
Efficiency	93 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



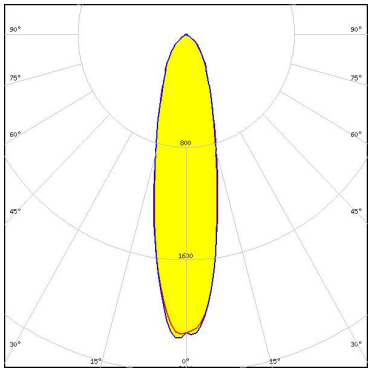
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	22.0° / 60.0°
Efficiency	94 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



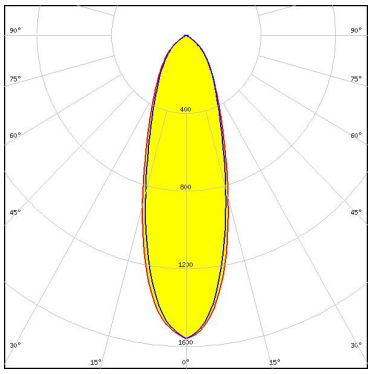
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	25.0° / 74.0°
Efficiency	94 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	Far Red
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	32.0° / 87.0°
Efficiency	94 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



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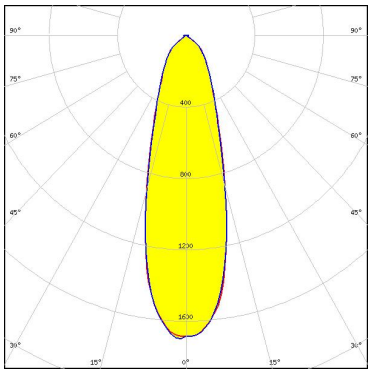
OPTICAL RESULTS (SIMULATED):

SAMSUNG

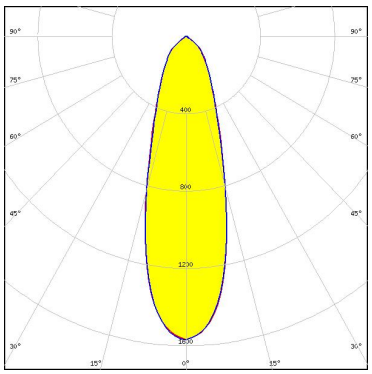
LED	LH231B
FWHM / FWTM	31.0° / 82.0°
Efficiency	91 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

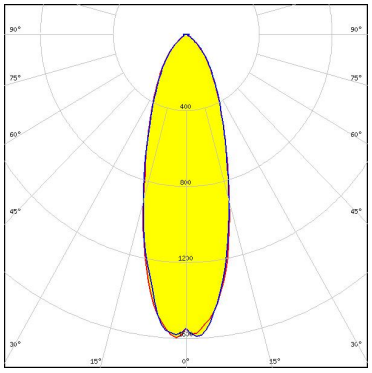
LED	LH231B
FWHM / FWTM	31.0° / 80.0°
Efficiency	83 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



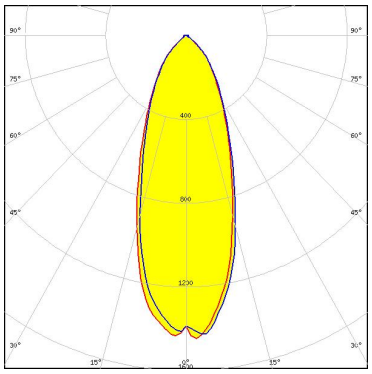
SAMSUNG

LED	LH351B
FWHM / FWTM	33.0° / 83.0°
Efficiency	94 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351C
FWHM / FWTM	37.0° / 87.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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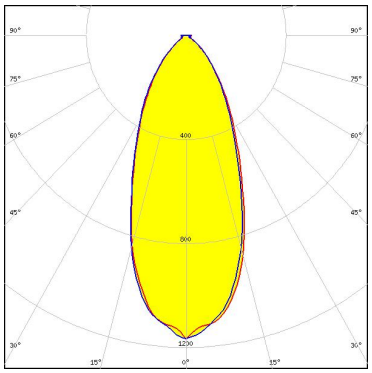
OPTICAL RESULTS (SIMULATED):

SAMSUNG

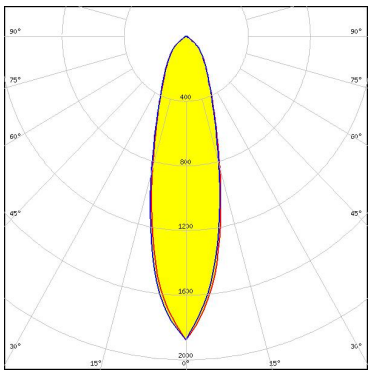
LED	LH351D
FWHM / FWTM	44.0° / 93.0°
Efficiency	93 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

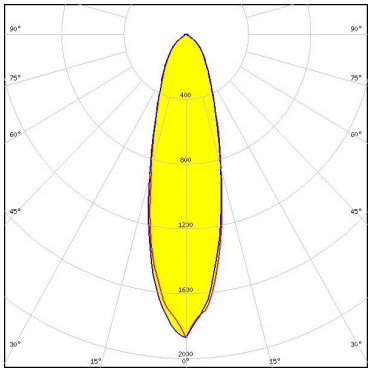
LED	LM301B
FWHM / FWTM	28.0° / 76.0°
Efficiency	87 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



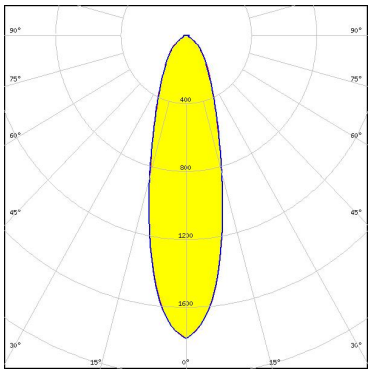
SAMSUNG

LED	LM301B
FWHM / FWTM	27.0° / 78.0°
Efficiency	93 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM302D
FWHM / FWTM	29.0° / 79.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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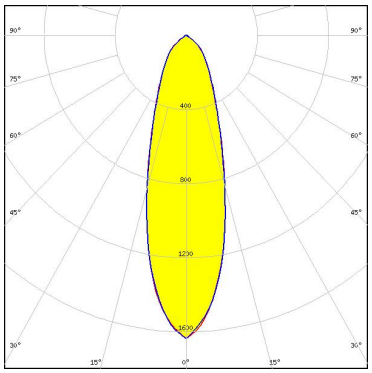
OPTICAL RESULTS (SIMULATED):

SAMSUNG

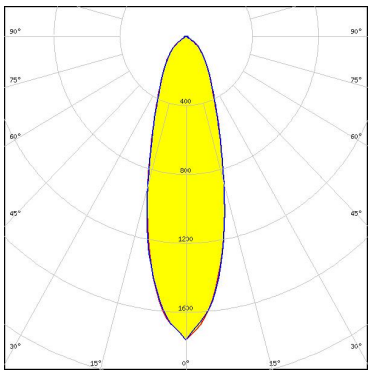
LED	LM302Z plus
FWHM / FWTM	30.0° / 82.0°
Efficiency	87 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



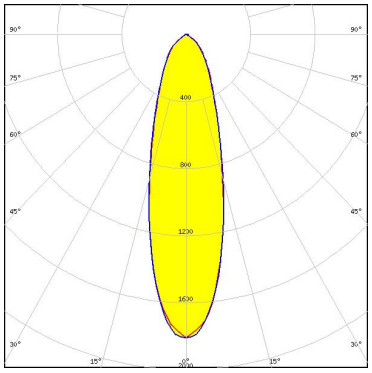
SAMSUNG

LED	LM302Z plus
FWHM / FWTM	30.0° / 80.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



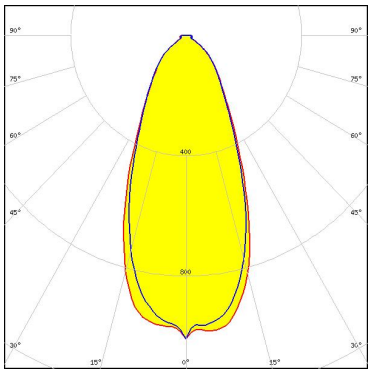
SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	30.0° / 80.0°
Efficiency	93 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM / FWTM	45.0° / 100.0°
Efficiency	91 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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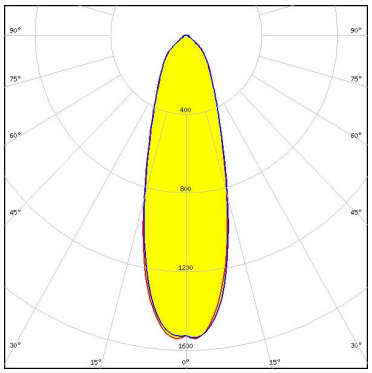
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y22T
FWHM / FWTM	31.0° / 82.0°
Efficiency	93 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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:

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