FLARE-MINI-A-PIN

~100° x 20° oval beam. Assembly with location pins and installation tape.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.0 mm
Height	9.1 mm
Fastening	tape, pin
ROHS compliant	yes

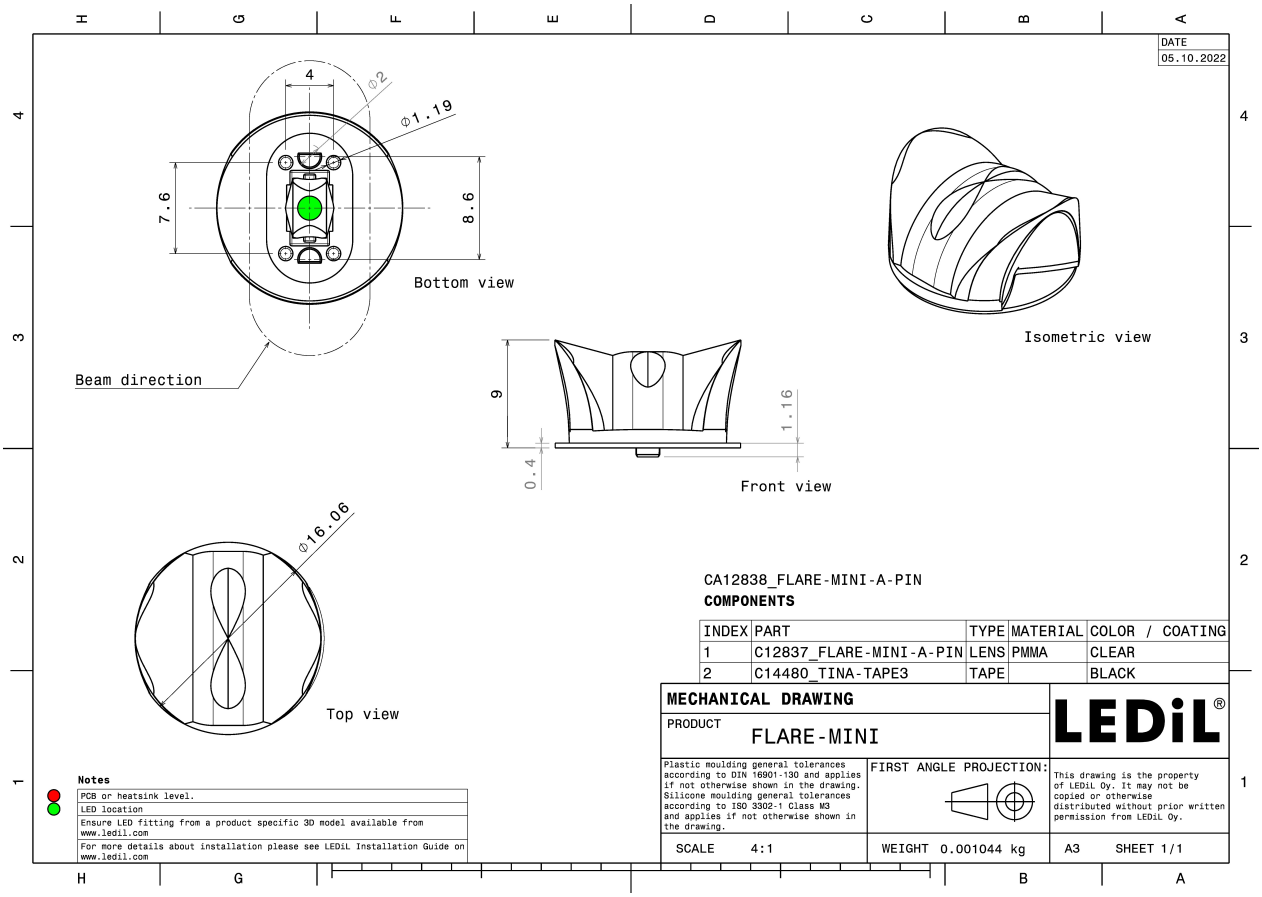
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLARE-MINI-A-PIN	Single lens	PMMA	clear	
TINA-TAPE3	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12838_FLARE-MINI-A-PIN » Box size: 460 x 250 x 300 mm	Single lens	4600	230	230	7.4

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

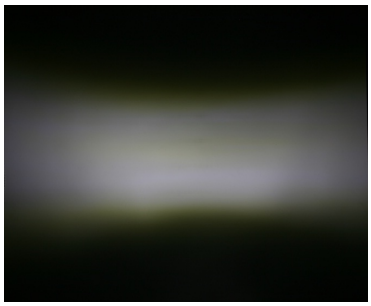
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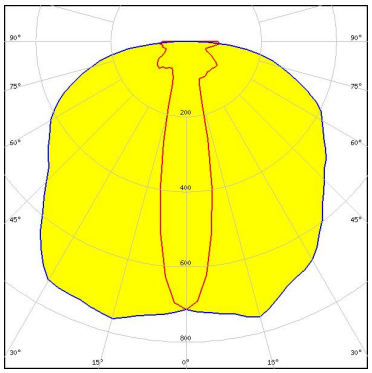
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XB-D
FWHM / FWTM	130.0 + 21.0° / 119.0 + 172.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

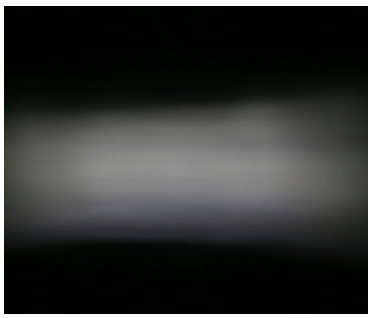


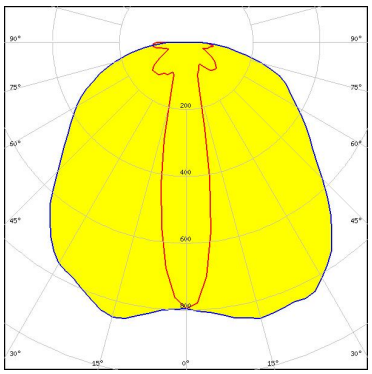


CREE LED

LED	XP-E
FWHM / FWTM	113.0 + 20.0° / 122.0 + 171.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

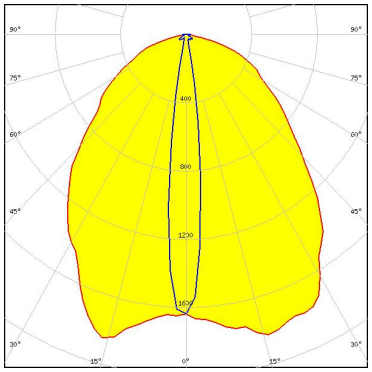




CREE LED

LED	XP-E2
FWHM / FWTM	93.0 + 14.0° / 150.0 + 24.0°
Efficiency	94 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White

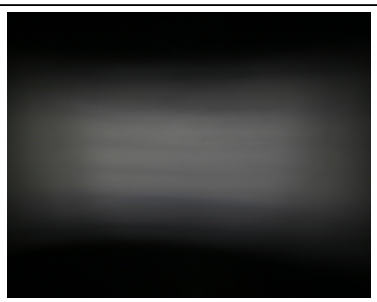
Required components:

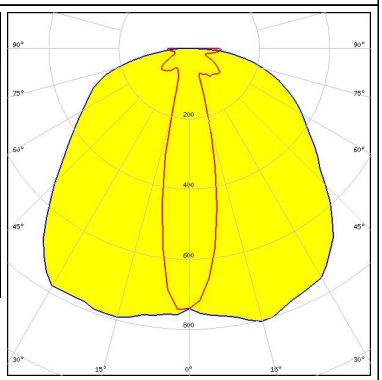


CREE LED

LED	XP-G
FWHM / FWTM	114.0 + 22.0° / 120.0 + 158.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





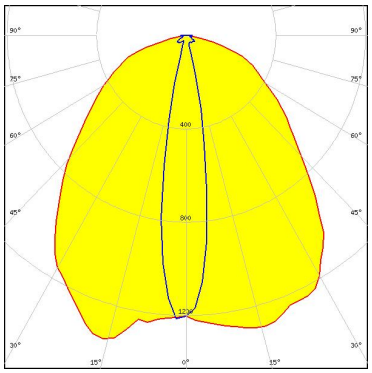
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PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-G2
FWHM / FWTM	94.0 + 19.0° / 152.0 + 31.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White

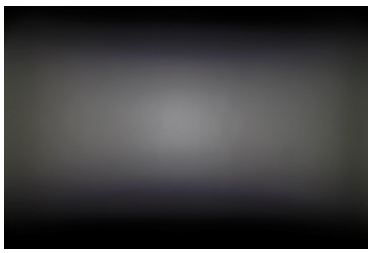
Required components:

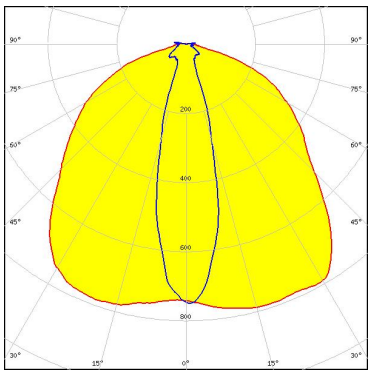


CREE LED

LED	XP-L HD
FWHM / FWTM	109.0 + 26.0° / 152.0 + 43.0°
Efficiency	91 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

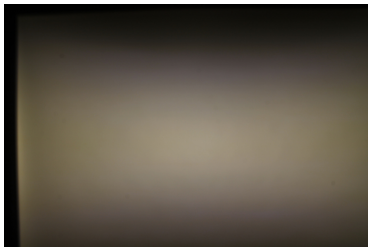


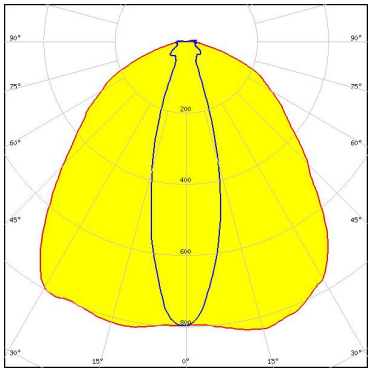


CREE LED

LED	XP-L2
FWHM / FWTM	100.0 + 28.0° / 153.0 + 49.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



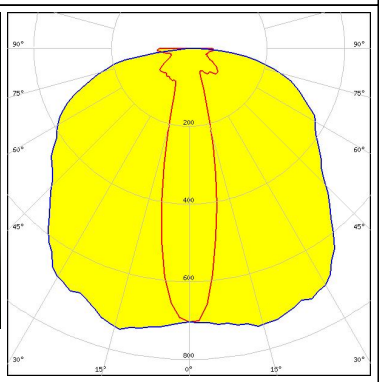


CREE LED

LED	XT-E
FWHM / FWTM	124.0 + 22.0° / 119.0 + 173.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



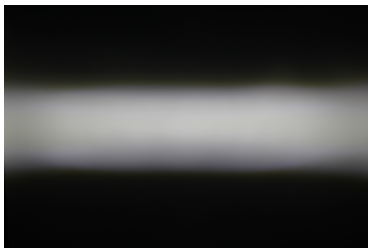


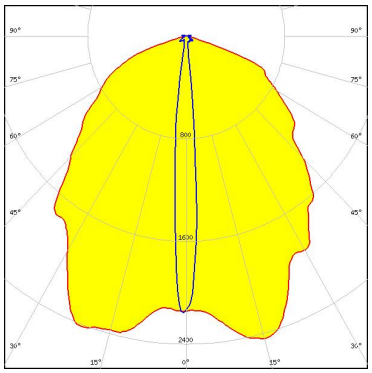
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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

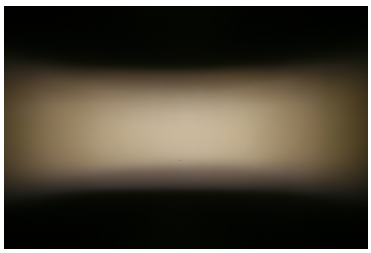
LED	LUXEON CZ
FWHM / FWTM	105.0 + 9.0° / 145.0 + 16.0°
Efficiency	94 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

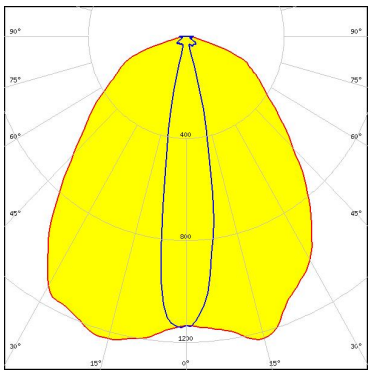




LUMILEDS

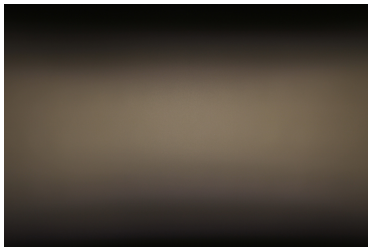
LED	LUXEON T
FWHM / FWTM	95.0 + 19.0° / 30.0 + 148.0°
Efficiency	93 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

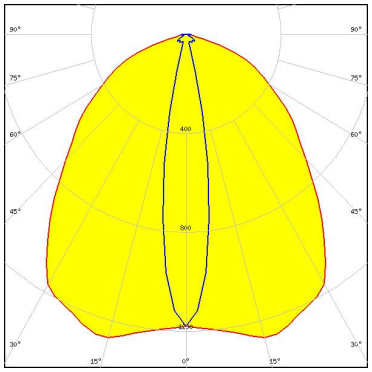




LUMILEDS

LED	LUXEON TX
FWHM / FWTM	93.0 + 19.0° / 145.0 + 31.0°
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

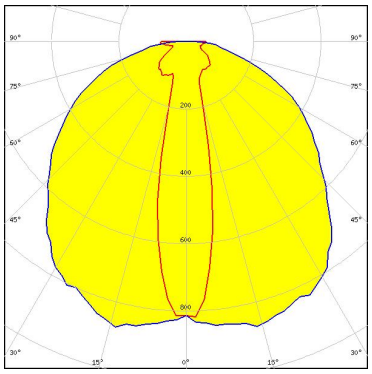




NICHIA

LED	NCSxx19A
FWHM / FWTM	112.0 + 20.0° / 104.0 + 167.0°
Efficiency	94 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



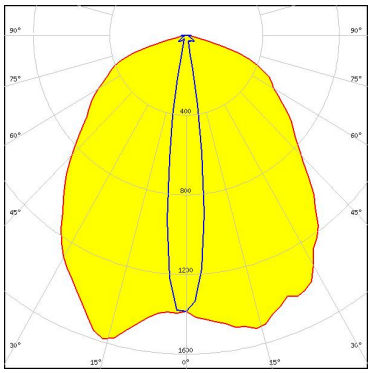


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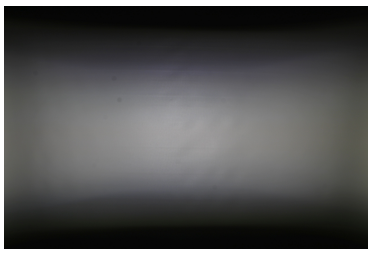
NICHIA

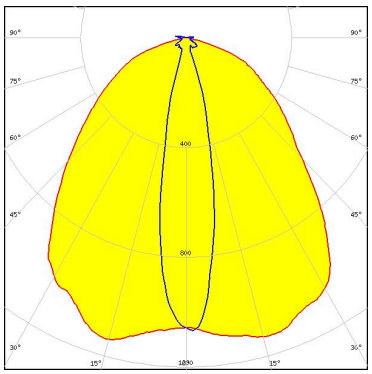
LED	NCSxx19B
FWHM / FWTM	95.0 + 15.0° / 151.0 + 27.0°
Efficiency	94 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSW219F
FWHM / FWTM	99.0 + 21.0° / 149.0 + 35.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

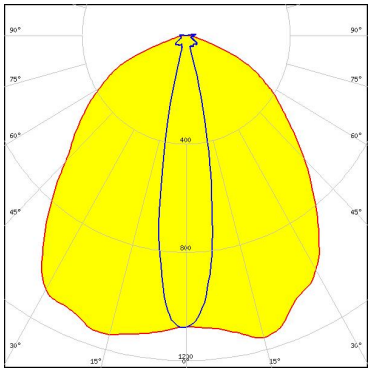




NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	101.0 + 20.0° / 145.0 + 32.0°
Efficiency	94 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

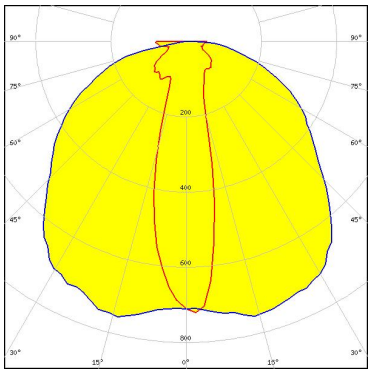




OSRAM
Opto Semiconductors

LED	OSLON Square PC
FWHM / FWTM	116.0 + 22.0° / 114.0 + 172.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





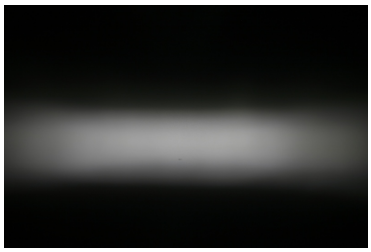
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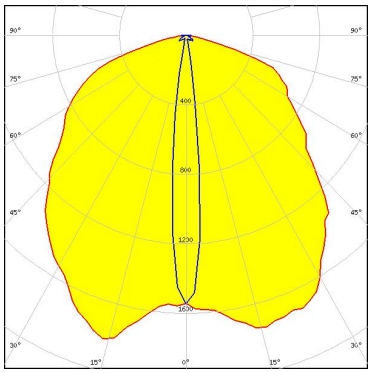
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OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	106.0 + 11.0° / 22.0 + 152.0°
Efficiency	93 %
Peak intensity	1.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



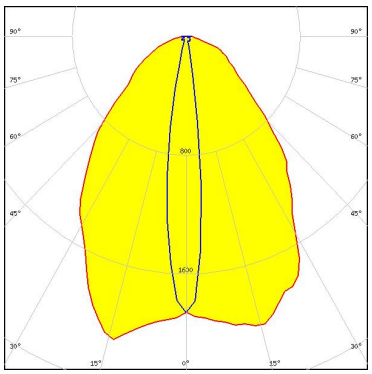


OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	84.0 + 12.0° / 23.0 + 144.0°
Efficiency	93 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

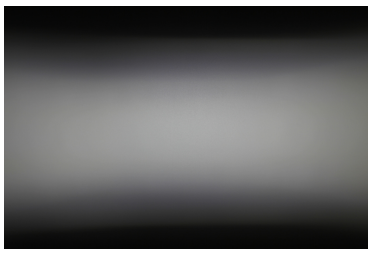


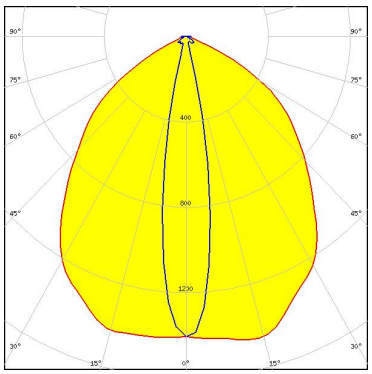


SAMSUNG

LED	LH351Z
FWHM / FWTM	95.0 + 19.0° / 133.0 + 31.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

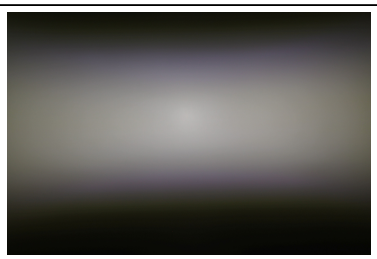


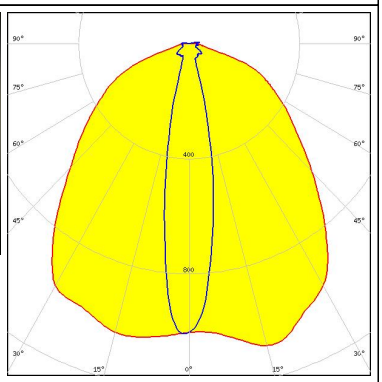


SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	102.0 + 20.0° / 149.0 + 37.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





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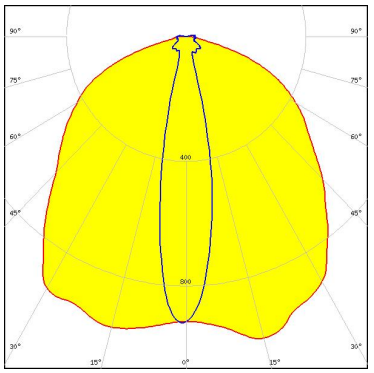
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	115.0 + 21.0° / 154.0 + 34.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



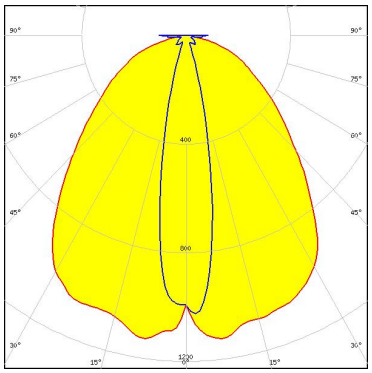


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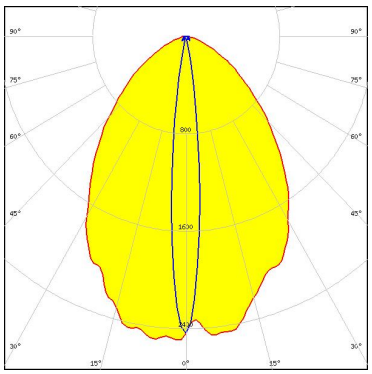
CREE LED

LED	XP-G3
FWHM / FWTM	93.0 + 20.0° / 150.0 + 37.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



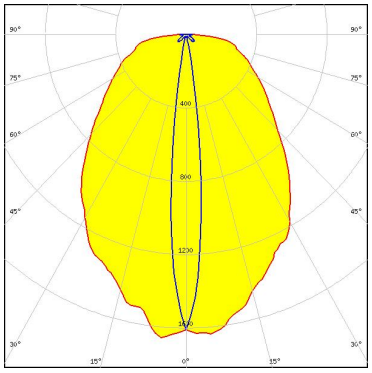
CREE LED

LED	XQ-E HD
FWHM / FWTM	78.0 + 11.0° / 131.0 + 21.0°
Efficiency	95 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



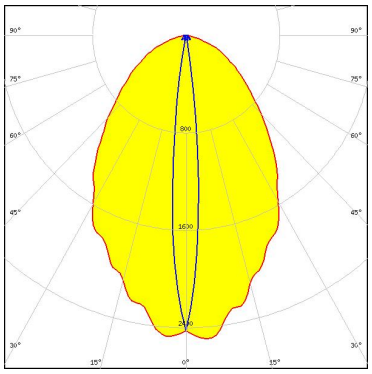
LUMILEDS

LED	LUXEON C
FWHM / FWTM	11.0 + 84.0° / 21.0 + 168.0°
Efficiency	92 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	75.0 + 10.0° / 139.0 + 19.0°
Efficiency	95 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	

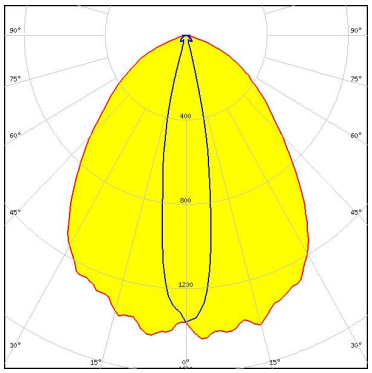


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PHOTOMETRIC DATA (SIMULATED):

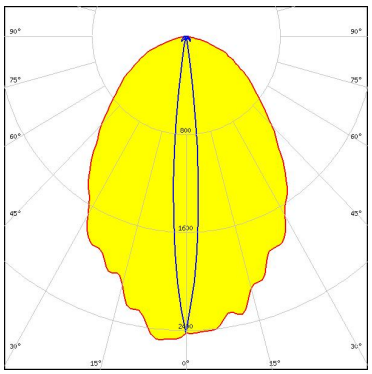
LUMILEDS

LED	LUXEON H50-2
FWHM / FWTM	18.0 + 86.0° / 31.0 + 137.0°
Efficiency	93 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



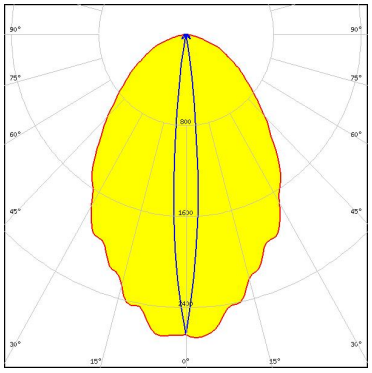
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	79.0 + 10.0° / 142.0 + 18.0°
Efficiency	96 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	Green
Required components:	



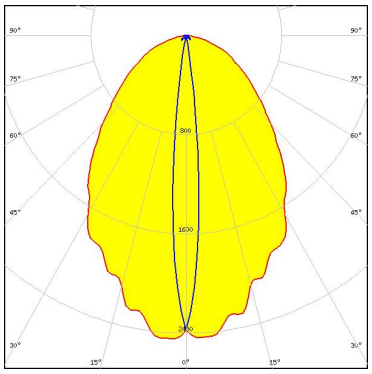
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	76.0 + 10.0° / 140.0 + 18.0°
Efficiency	96 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	79.0 + 10.0° / 143.0 + 18.0°
Efficiency	96 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

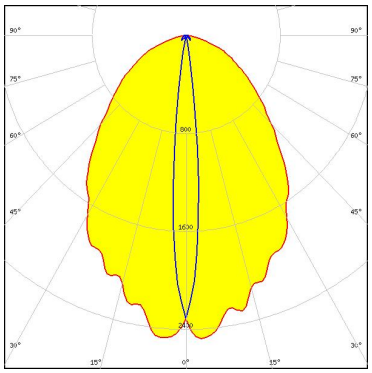


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PHOTOMETRIC DATA (SIMULATED):

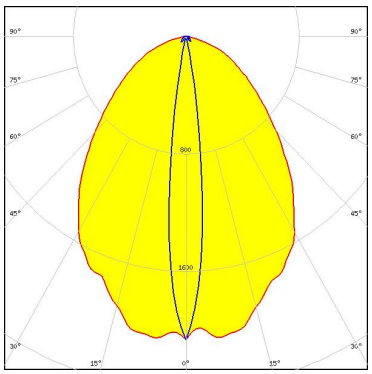
LUMILEDS

LED	LUXEON Rubix
FWHM / FWTM	80.0 + 10.0° / 142.0 + 18.0°
Efficiency	96 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	Blue
Required components:	



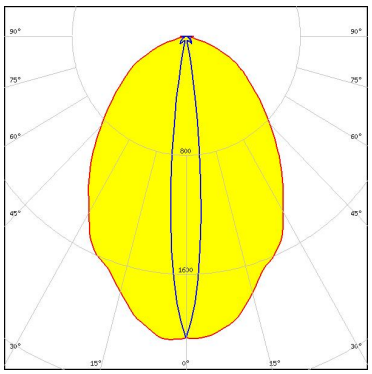
LUMILEDS

LED	LUXEON Z ES
FWHM / FWTM	84.0 + 13.0° / 141.0 + 22.0°
Efficiency	95 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



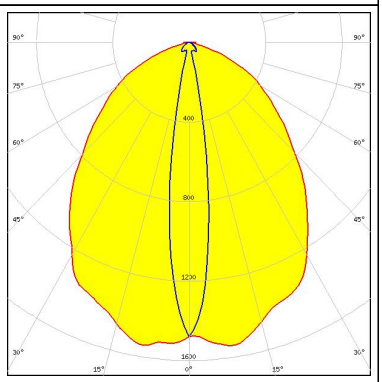
NICHIA

LED	NCSxE17A
FWHM / FWTM	79.0 + 12.0° / 140.0 + 22.0°
Efficiency	95 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NVSxE21A
FWHM / FWTM	91.0 + 16.0° / 143.0 + 27.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

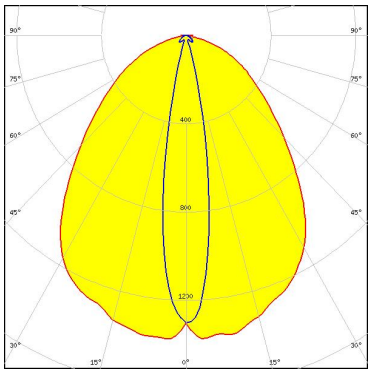


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PHOTOMETRIC DATA (SIMULATED):

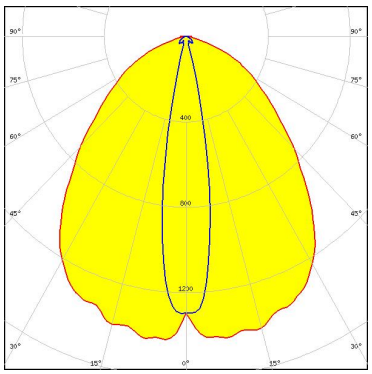
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	89.0 + 18.0° / 145.0 + 31.0°
Efficiency	94 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM / FWTM	91.0 + 20.0° / 141.0 + 30.0°
Efficiency	95 %
Peak intensity	1.4 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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