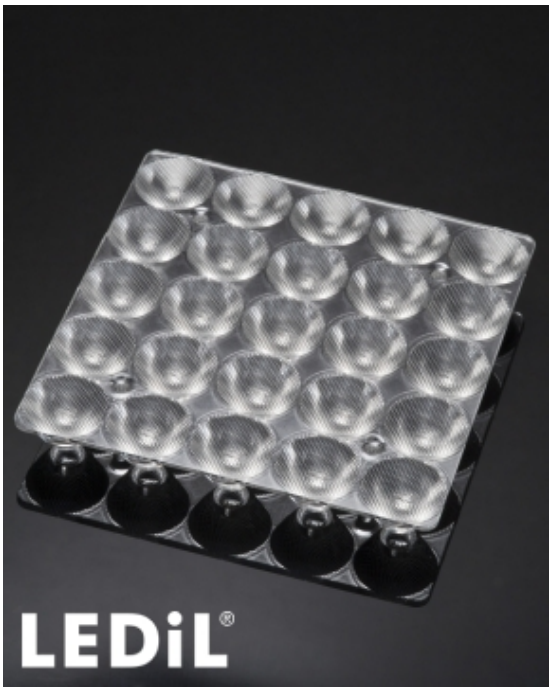
VIRPI-M

~30° medium beam



SPECIFICATION:

Dimensions	74.9 x 74.9 mm
Height	9.5 mm
Fastening	glue, pin
ROHS compliant	yes

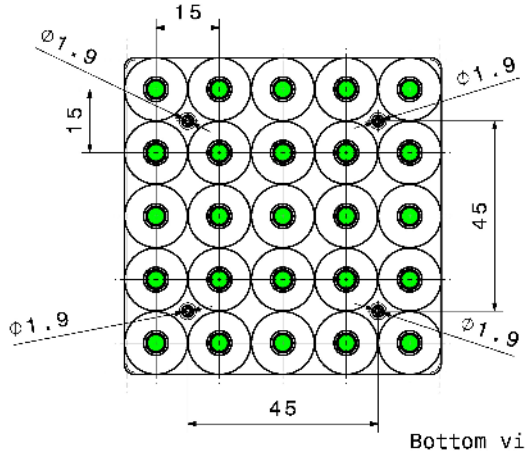
MATERIALS:

Component	Type	Material	Colour	Finish
VIRPI-M	Multi-lens	PMMA	clear	

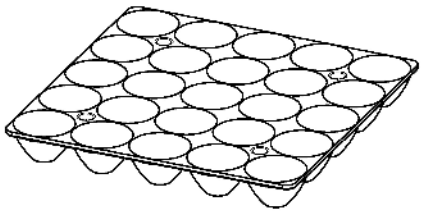
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12608_VIRPI-M » Box size: 480 x 280 x 300 mm	360	45	15	12.2

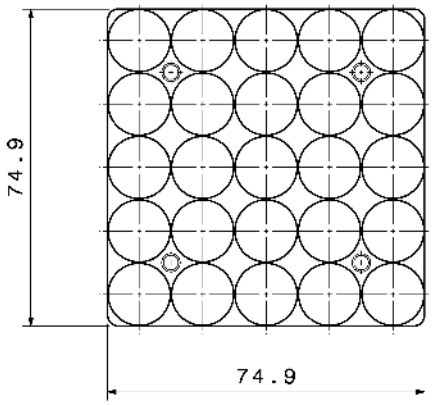
DATE
12.10.2021



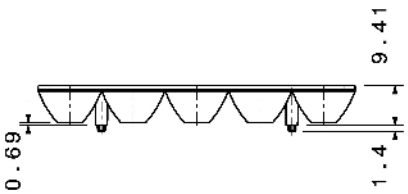
Bottom view



Isometric view



Top view



Front view

PART	TYPE	MATERIAL	COLOR / COATING
C12607_VIRPI-S C12608_VIRPI-M C12609_VIRPI-W	LENS	PMMA	Clear

MECHANICAL DRAWING

PRODUCT VIRPI

LEDiL®

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

SCALE 1:1 | WEIGHT - | A3 SHEET 1/1

Notes

LED location

Ensure LED fitting from a product specific 3D model available from www.ledil.com

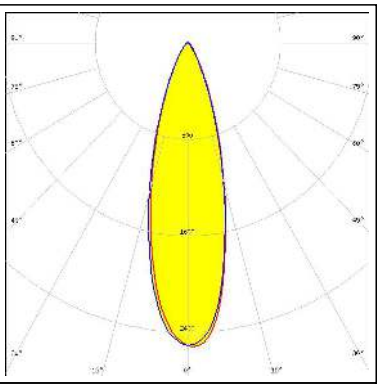
For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

OPTICAL RESULTS (MEASURED):

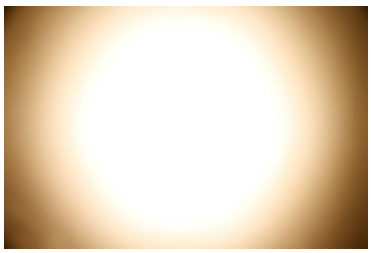
CREE LED

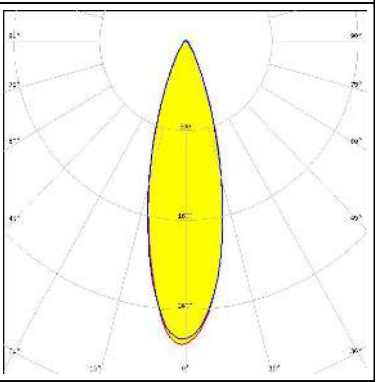
LED	ML-E
FWHM / FWTM	29.0° / 58.0°
Efficiency	91 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

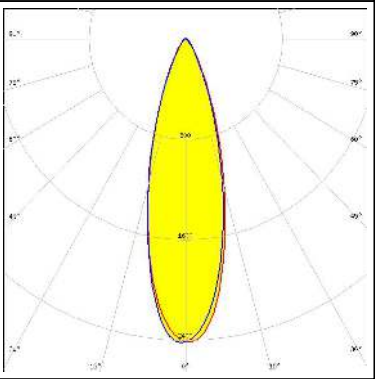
LED	XB-D
FWHM / FWTM	28.0° / 56.0°
Efficiency	92 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





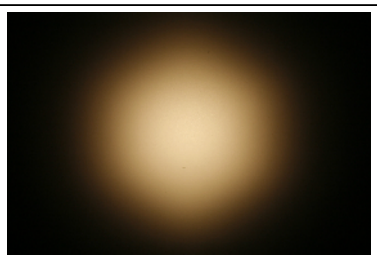
CREE LED

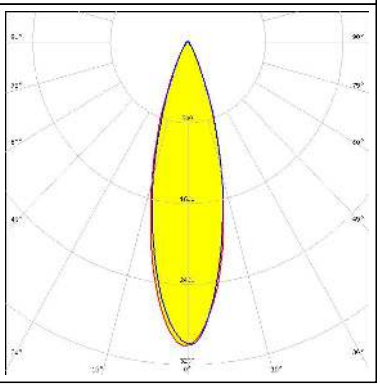
LED	XH-B/G
FWHM / FWTM	30.0° / 58.0°
Efficiency	90 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XP-E2
FWHM / FWTM	28.0° / 52.0°
Efficiency	91 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

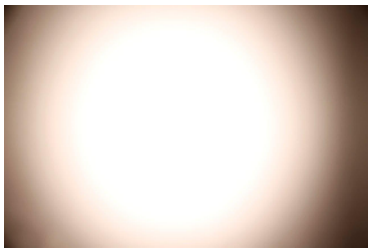


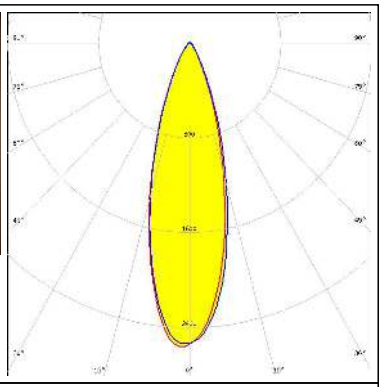


OPTICAL RESULTS (MEASURED):

CREE LED

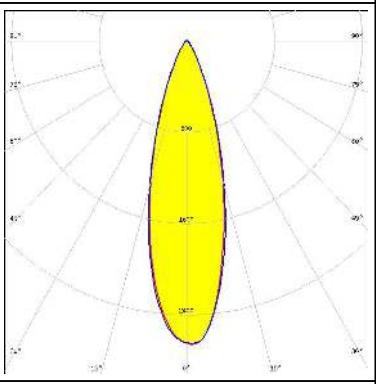
LED	XP-G
FWHM / FWTM	29.0° / 58.0°
Efficiency	92 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





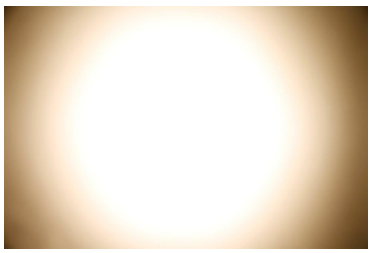
CREE LED

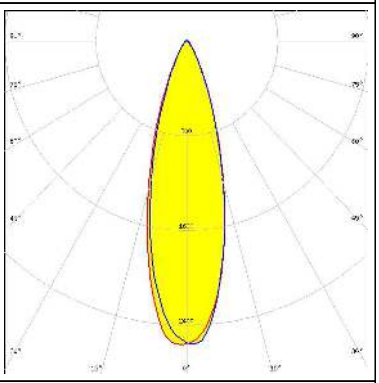
LED	XP-G2
FWHM / FWTM	29.0° / 56.0°
Efficiency	91 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

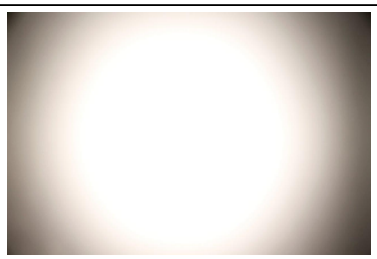
LED	XT-E
FWHM / FWTM	29.0° / 57.0°
Efficiency	91 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

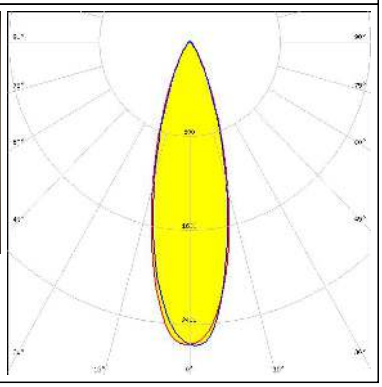




LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	28.0° / 57.0°
Efficiency	91 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

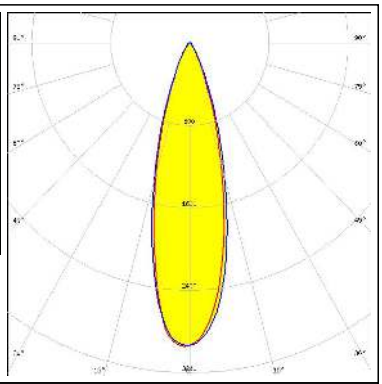




OPTICAL RESULTS (MEASURED):

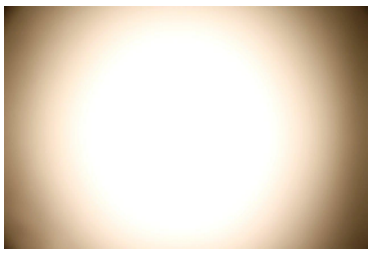
NICHIA

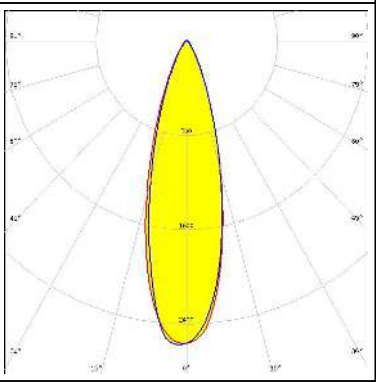
LED	NF2x757A
FWHM / FWTM	28.0° / 53.0°
Efficiency	92 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

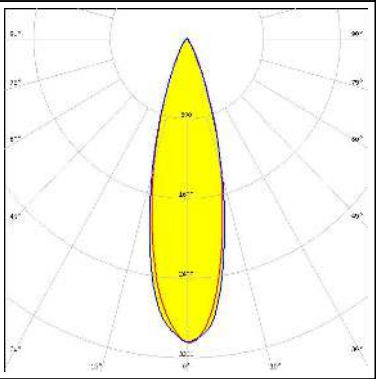
LED	NVSxx19A
FWHM / FWTM	29.0° / 56.0°
Efficiency	90 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





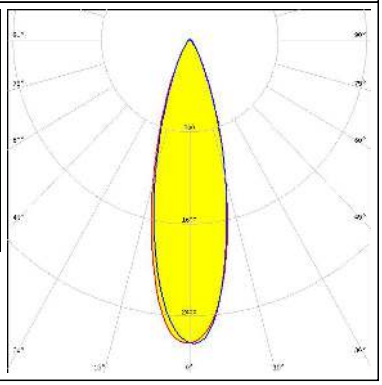
OSRAM
Opto Semiconductors

LED	Duris S5 (Single chip)
FWHM / FWTM	28.0° / 51.0°
Efficiency	92 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 2226
FWHM / FWTM	29.0° / 56.0°
Efficiency	90 %
Peak intensity	2.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

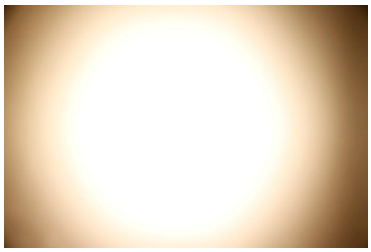


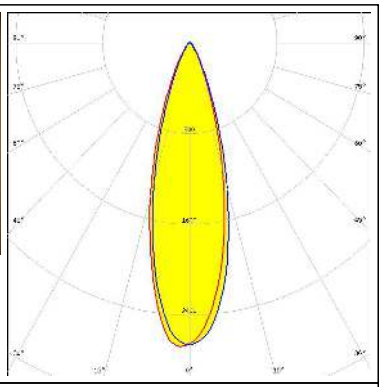
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	28.0° / 55.0°
Efficiency	91 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

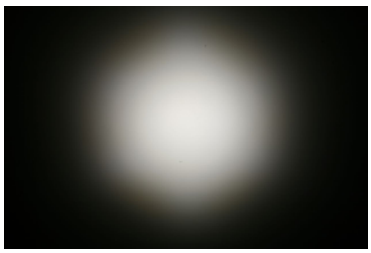


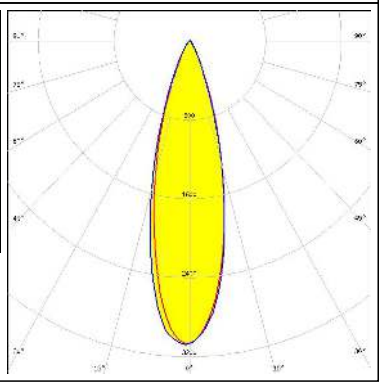


SAMSUNG

LED	LM231 A/B
FWHM / FWTM	28.0° / 52.0°
Efficiency	92 %
Peak intensity	3.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

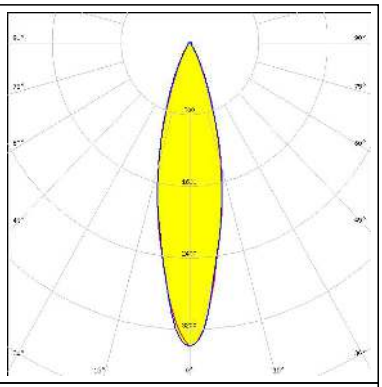




OPTICAL RESULTS (SIMULATED):

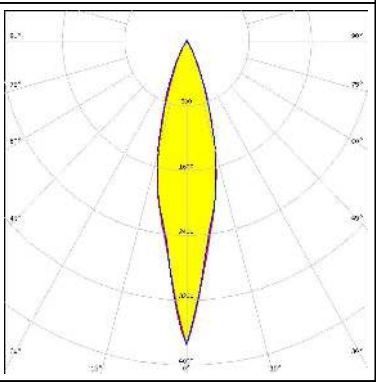
CREE LED

LED	J Series 3030
FWHM / FWTM	26.0° / 52.0°
Efficiency	95 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



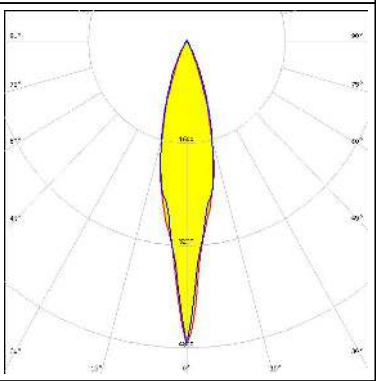
LUMILEDS

LED	LUXEON C
FWHM / FWTM	23.0° / 50.0°
Efficiency	86 %
Peak intensity	3.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



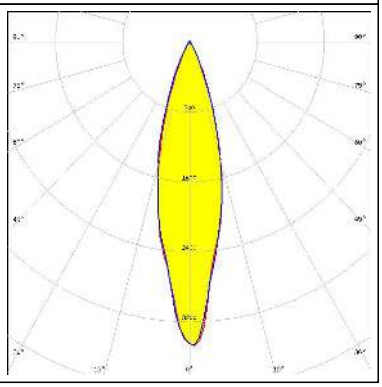
LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	20.0° / 48.0°
Efficiency	94 %
Peak intensity	4.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

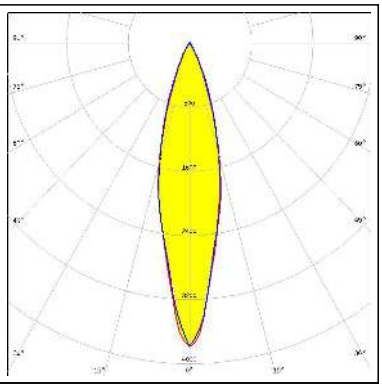
LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	27.0° / 51.0°
Efficiency	88 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

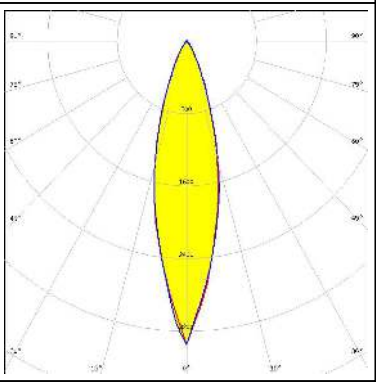
LUMILEDS

LED	LUXEON SunPlus 35 Line
FWHM / FWTM	26.0° / 50.0°
Efficiency	93 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



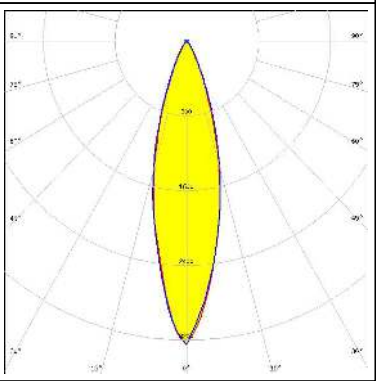
LUMILEDS

LED	LUXEON T
FWHM / FWTM	26.0° / 53.0°
Efficiency	91 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



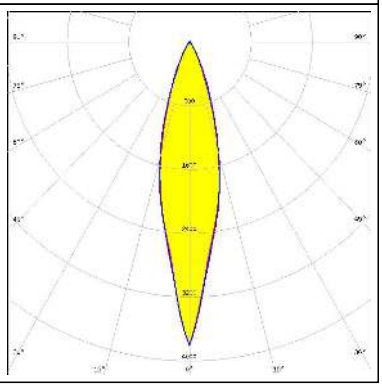
LUMILEDS

LED	LUXEON TX
FWHM / FWTM	27.0° / 53.0°
Efficiency	92 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMINUS

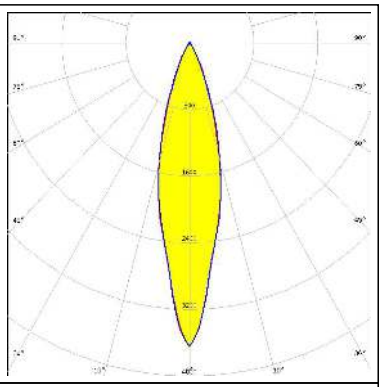
LED	SST-10-B130
FWHM / FWTM	24.0° / 51.0°
Efficiency	94 %
Peak intensity	3.8 cd/lm
LEDs/each optic	1
Light colour	Red
Required components:	



OPTICAL RESULTS (SIMULATED):

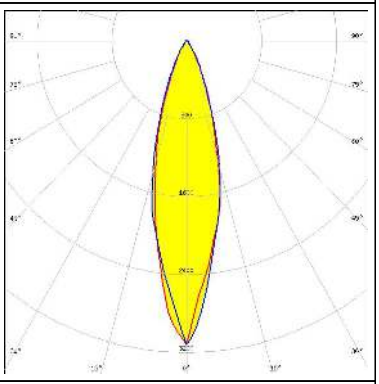
LUMINUS

LED	SST-20
FWHM / FWTM	24.0° / 51.0°
Efficiency	94 %
Peak intensity	3.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



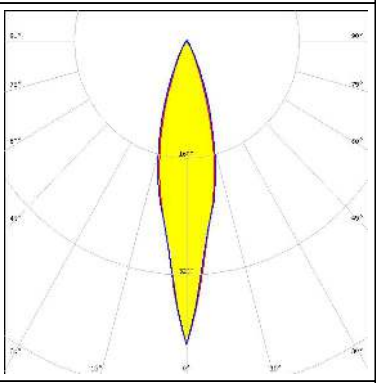
NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	27.0° / 55.0°
Efficiency	94 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



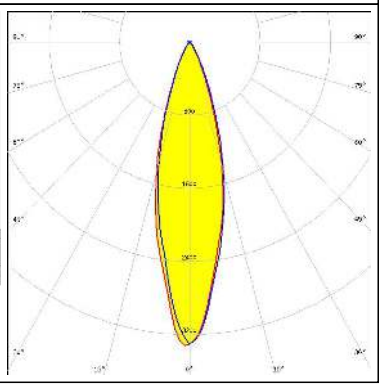
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	22.0° / 50.0°
Efficiency	95 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

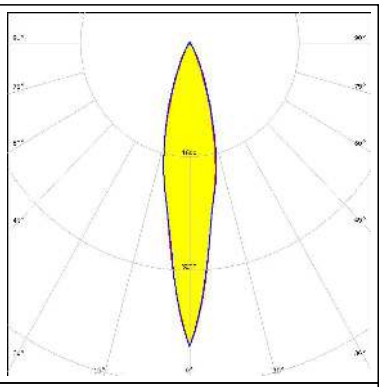
LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	26.0° / 52.0°
Efficiency	93 %
Peak intensity	3.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

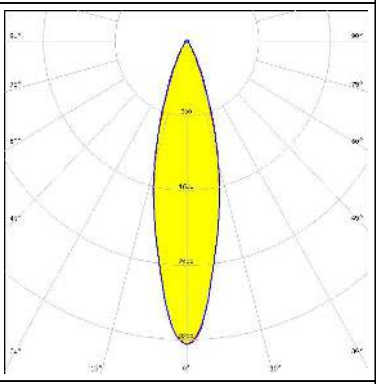
OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	20.0° / 48.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	IR
Required components:	



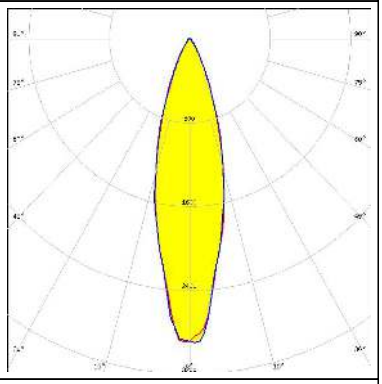
SAMSUNG

LED	LH181B
FWHM / FWTM	26.0° / 53.0°
Efficiency	93 %
Peak intensity	3.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



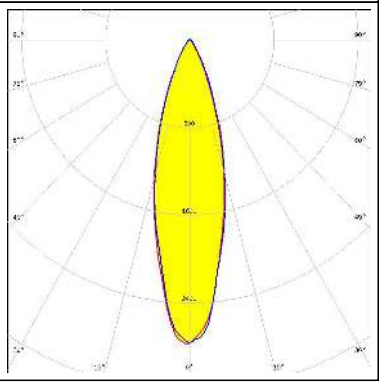
SAMSUNG

LED	LH351B
FWHM / FWTM	27.0° / 56.0°
Efficiency	94 %
Peak intensity	3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

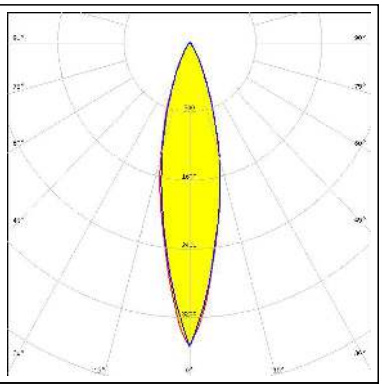
LED	LH351C
FWHM / FWTM	28.0° / 57.0°
Efficiency	94 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OPTICAL RESULTS (SIMULATED):

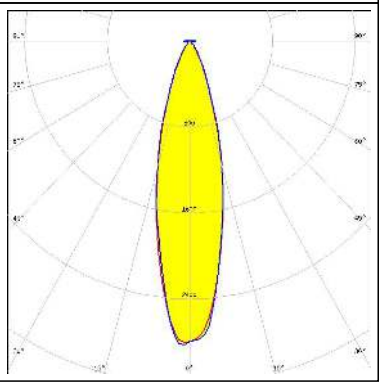
SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030
FWHM / FWTM	24.0° / 52.0°
Efficiency	94 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM / FWTM	26.4° / 55.1°
Efficiency	94 %
Peak intensity	2.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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