VIRPI-S

~15° spot 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	Length
VIRPI-S	Multi-lens	PMMA	clear		74.9

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C12607_VIRPI-S	360	45	15	12.0

» Box size: 480 x 280 x 300 mm

DATE
12.10.2021

Bottom view

Isometric view

Top view

Front view

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

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:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

| 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 LEDs	
LED	XB-D
FWHM / FWTM	13.0° / 30.0°
Efficiency	92 %
Peak intensity	9.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
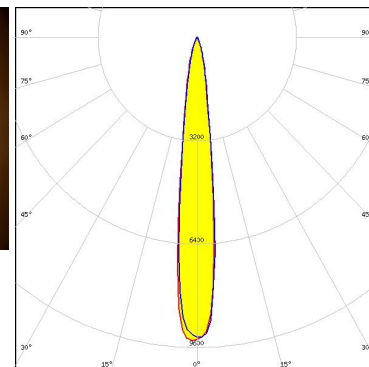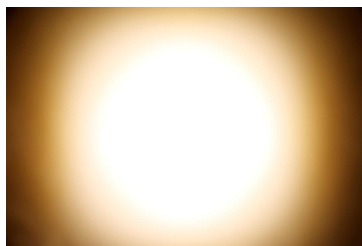
Light distribution files

CREE LEDs	
LED	XP-E2
FWHM / FWTM	11.0° / 27.0°
Efficiency	94 %
Peak intensity	12.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
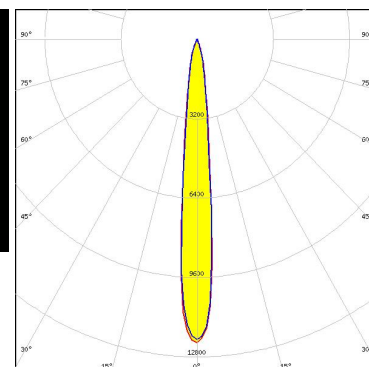
Light distribution files

CREE LEDs	
LED	XP-G
FWHM / FWTM	16.0° / 36.0°
Efficiency	94 %
Peak intensity	6.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs
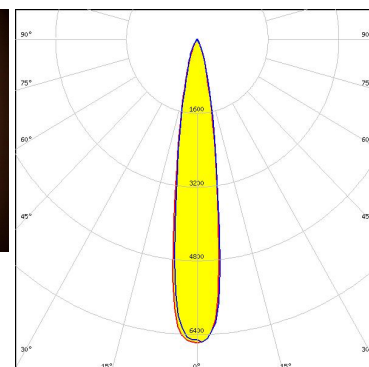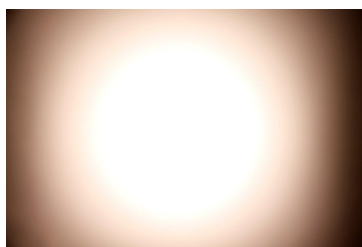
LED	XP-G2
FWHM / FWTM	16.0° / 34.0°
Efficiency	94 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
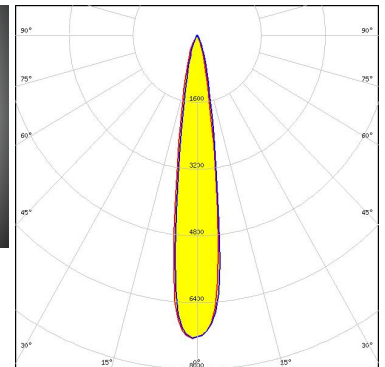
Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	15.0° / 34.0°
Efficiency	94 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
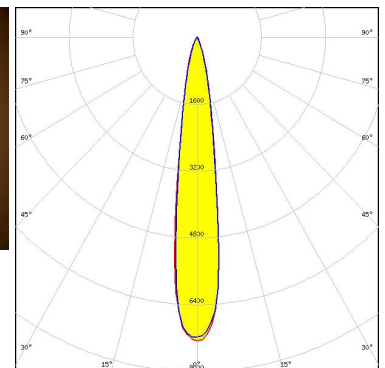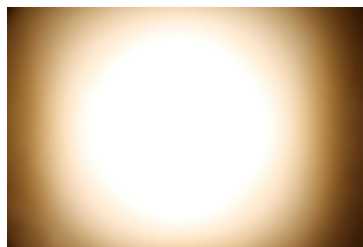
Light distribution files

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	16.0° / 29.0°
Efficiency	94 %
Peak intensity	6.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA
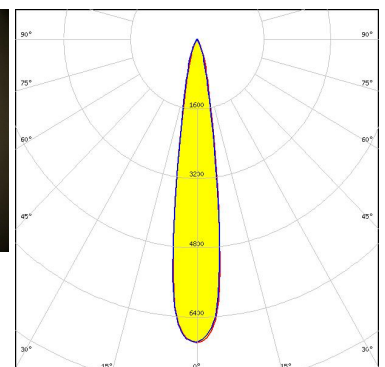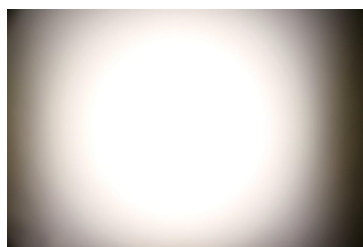
LED	NVSxx19A
FWHM / FWTM	16.0° / 34.0°
Efficiency	93 %
Peak intensity	6.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

LEDiL Oy C12607_VIRPI-S_(NVS19) Eff.93.6% / LDC (Polar)

Luminaire: LEDiL Oy C12607_VIRPI-S_(NVS19) Eff.93.6%
Lamps: 1 x NVS19_5x5 (1782.78lm@250mA)

Light distribution files

cd/klm   η = 93%

OSRAM
Opto Semiconductors
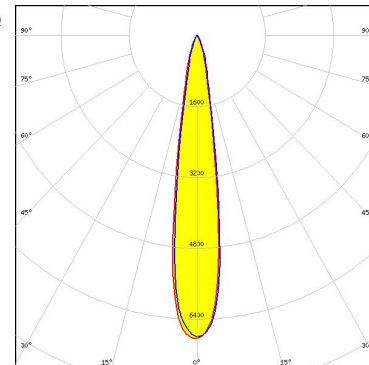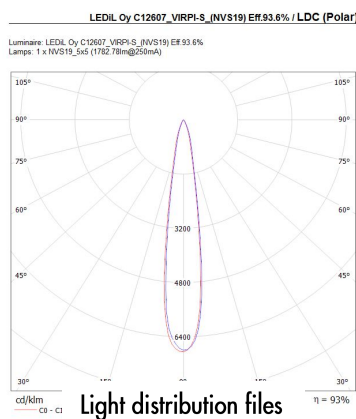
LED	OSLON Square EC
FWHM / FWTM	15.0° / 31.0°
Efficiency	94 %
Peak intensity	8.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs
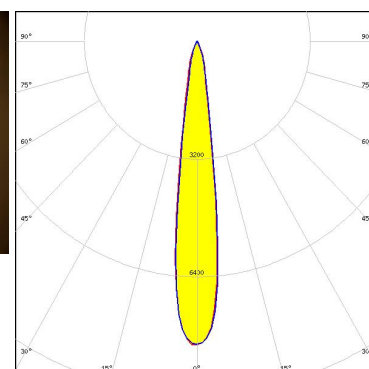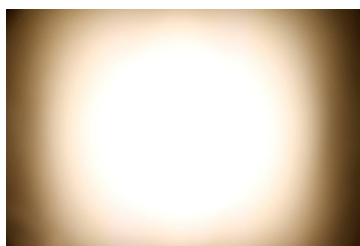
LED	J Series 3030
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
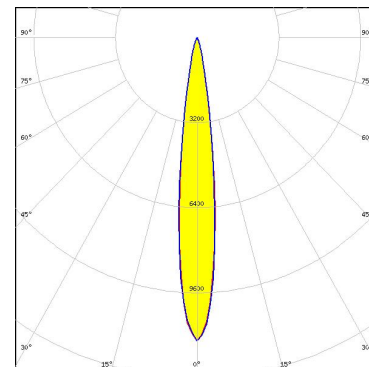
Light distribution files

CREE LEDs

LED	XD16
FWHM / FWTM	14.0° / 30.0°
Efficiency	94 %
Peak intensity	9.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
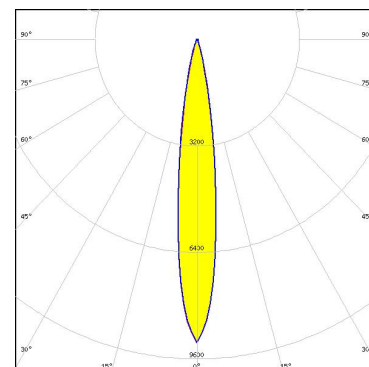
Light distribution files

LUMILEDS

LED	LUXEON 2835 Line
FWHM / FWTM	12.0° / 26.0°
Efficiency	95 %
Peak intensity	13.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS
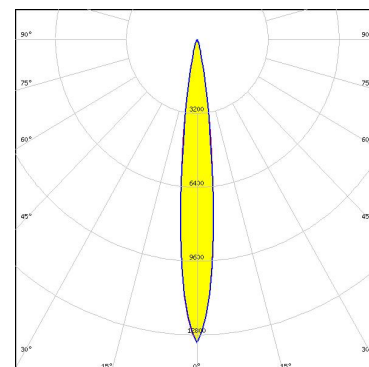
LED	LUXEON C
FWHM / FWTM	11.0° / 25.0°
Efficiency	86 %
Peak intensity	14.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
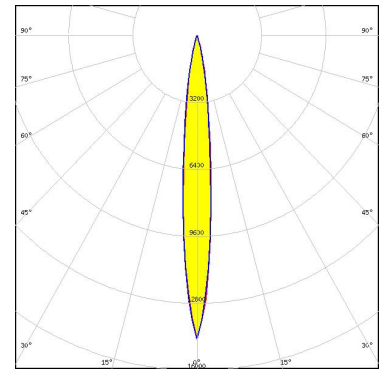
Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	8.8° / 19.0°
Efficiency	94 %
Peak intensity	26 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS
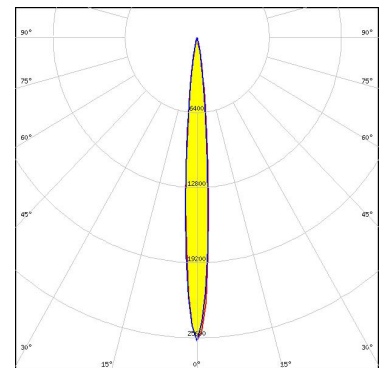
LED	LUXEON HL1Z
FWHM / FWTM	10.0° / 20.0°
Efficiency	88 %
Peak intensity	19.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
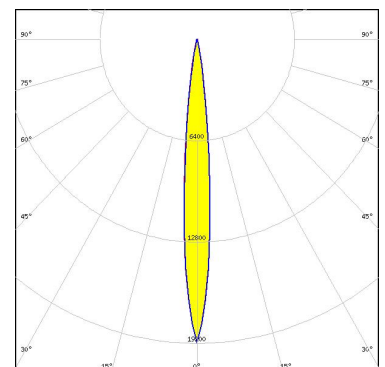
Protective plate, glass

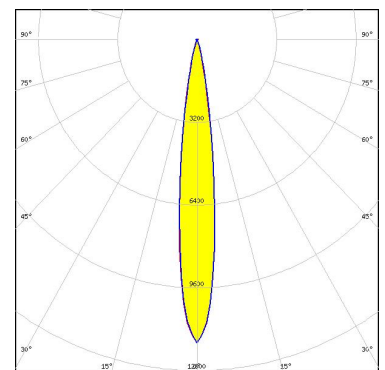Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON HL1Z
FWHM / FWTM	10.0° / 20.0°
Efficiency	96 %
Peak intensity	20.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS
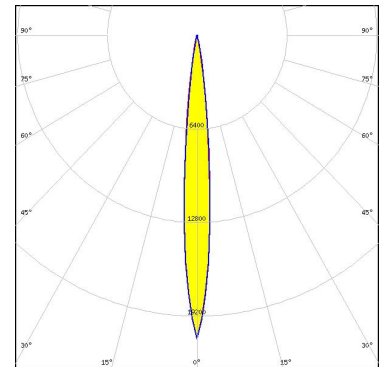
LED	LUXEON HL2Z
FWHM / FWTM	14.0° / 26.0°
Efficiency	97 %
Peak intensity	11.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS

LED	LUXEON HL2Z
FWHM / FWTM	14.0° / 26.0°
Efficiency	90 %
Peak intensity	11 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
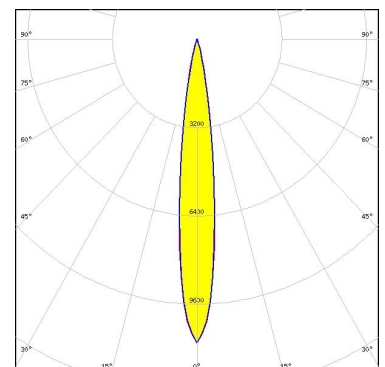
Protective plate, glass

Light distribution files
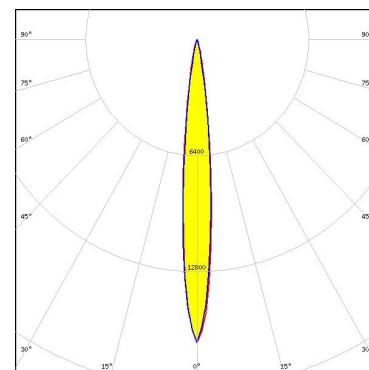
OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM	13.0° / 25.0°
Efficiency	88 %
Peak intensity	15.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS
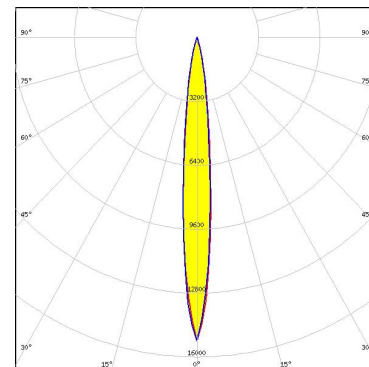
LED	LUXEON SunPlus 35 Line
FWHM / FWTM	12.0° / 23.0°
Efficiency	94 %
Peak intensity	16 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMILEDS

LED	LUXEON T
FWHM / FWTM	16.0° / 31.0°
Efficiency	93 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS
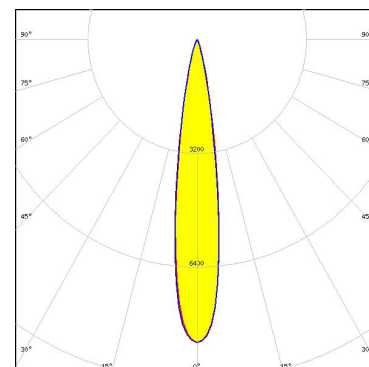
LED	LUXEON TX
FWHM / FWTM	15.0° / 29.0°
Efficiency	91 %
Peak intensity	10.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
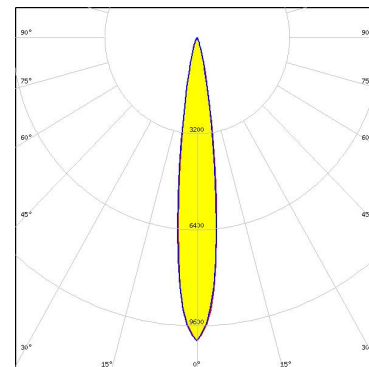
Light distribution files

LUMINUS

LED	SST-10-B130
FWHM / FWTM	12.0° / 27.0°
Efficiency	95 %
Peak intensity	13.1 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	
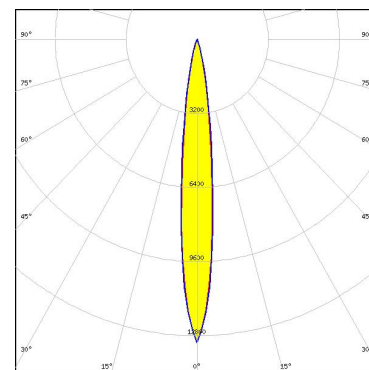
Light distribution files

LUMINUS

LED	SST-20
FWHM / FWTM	12.0° / 24.0°
Efficiency	95 %
Peak intensity	13.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA
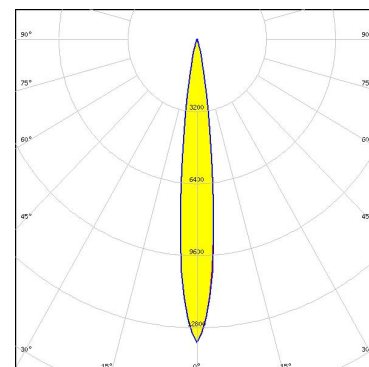
LED	NVSxE21A
FWHM / FWTM	12.0° / 26.0°
Efficiency	95 %
Peak intensity	12.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

NICHIA
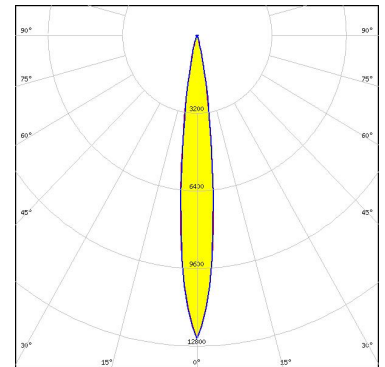
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	18.0° / 33.0°
Efficiency	94 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files
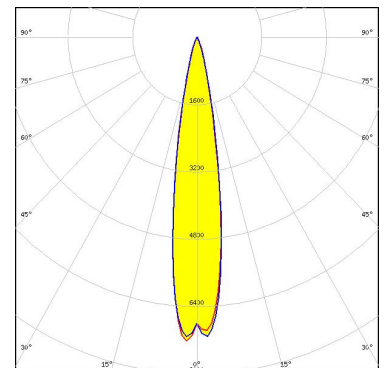
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	10.0° / 22.0°
Efficiency	95 %
Peak intensity	18.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
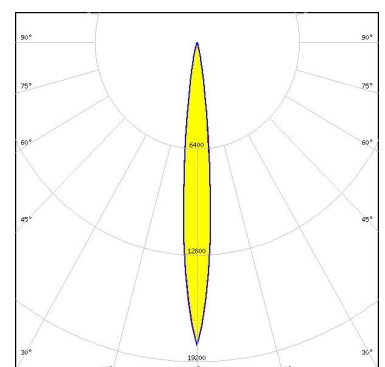
Light distribution files

OPTICAL RESULTS (SIMULATED):
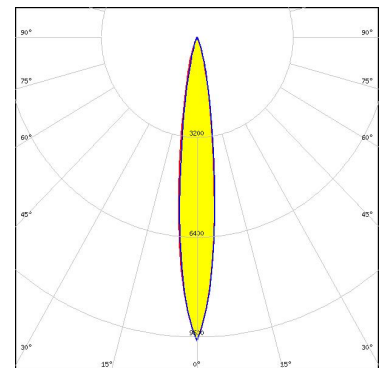
OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	14.0° / 28.0°
Efficiency	96 %
Peak intensity	11.4 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	
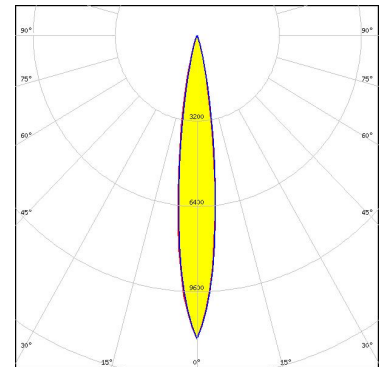
Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	14.0° / 30.0°
Efficiency	95 %
Peak intensity	9.7 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	

Light distribution files

OSRAM
Opto Semiconductors

LED	SFH 4715AS
FWHM / FWTM	13.0° / 24.0°
Efficiency	94 %
LEDs/each optic	1
Light colour/type	IR
Required components:	
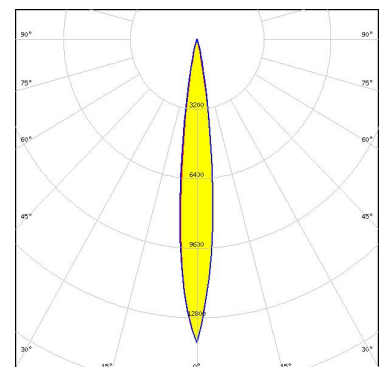
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH181B
FWHM / FWTM	14.0° / 28.0°
Efficiency	95 %
Peak intensity	10.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
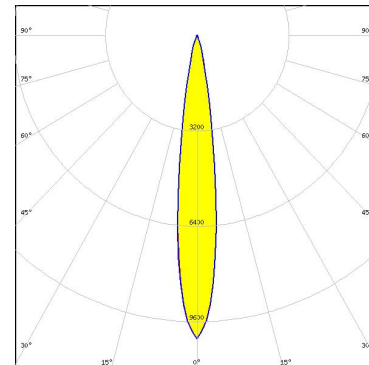
Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	17.0° / 33.0°
Efficiency	97 %
Peak intensity	7.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
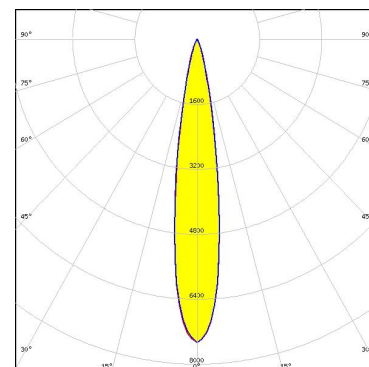
Light distribution files

SAMSUNG

LED	LH351C
FWHM / FWTM	18.0° / 34.0°
Efficiency	97 %
Peak intensity	7.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
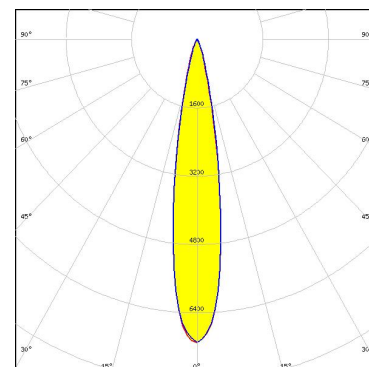
Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351D
FWHM / FWTM	22.0° / 42.0°
Efficiency	96 %
Peak intensity	4.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
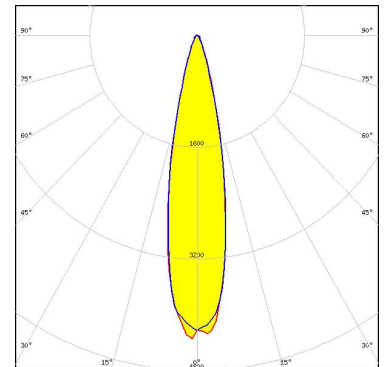
Light distribution files

SAMSUNG

LED	LM301B
FWHM / FWTM	12.0° / 26.0°
Efficiency	96 %
Peak intensity	12.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

SEOUL SEMICONDUCTOR
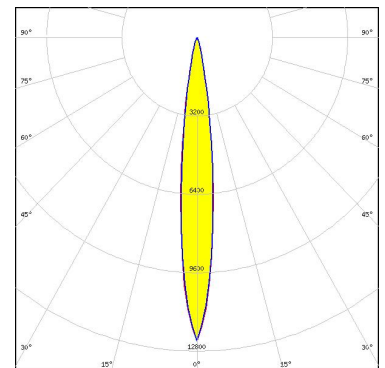
LED	SEOUL DC 3030
FWHM / FWTM	14.9° / 29.9°
Efficiency	94 %
Peak intensity	9.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
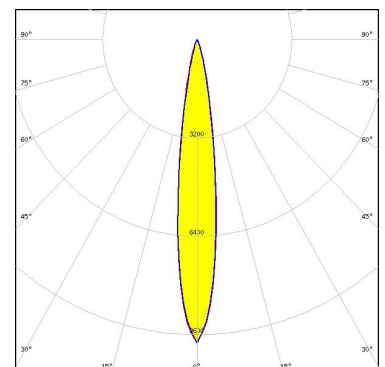
Light distribution files

OPTICAL RESULTS (SIMULATED):

LED	Z5M1/Z5M2
FWHM / FWTM	15.0° / 29.0°
Efficiency	98 %
Peak intensity	9.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
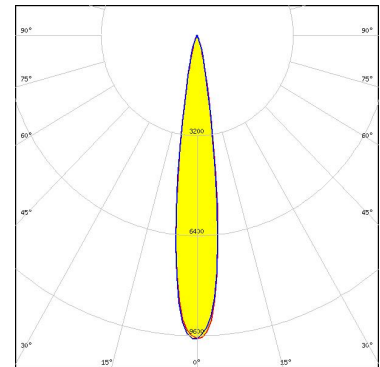
Light distribution files

LED	Z8Y19
FWHM / FWTM	14.0° / 26.0°
Efficiency	94 %
Peak intensity	11.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
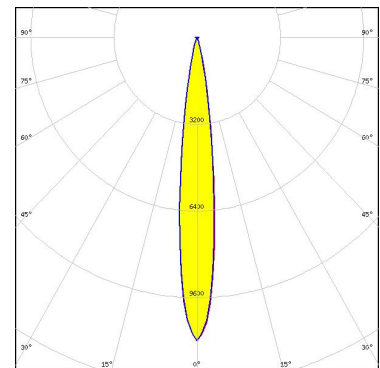
Light distribution files

LED	Z8Y22
FWHM / FWTM	16.9° / 33.1°
Efficiency	94 %
Peak intensity	7.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
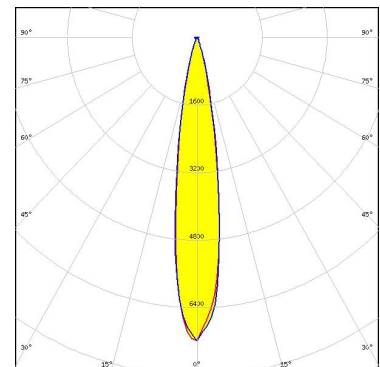
Light distribution files

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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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