

IRIS-SCREW

~5° real spot beam with holder optimized for CREE XP-E. Assembly with screws.

SPECIFICATION:

Dimensions	Ø 38.0
Height	26.9 mm
Fastening	glue, pin, screw
ROHS compliant	yes ⓘ



LEDiL

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
IRIS	Single lens	PMMA	clear		
IRIS-XP-HLD	Holder	PC	black		

ORDERING INFORMATION:

Quantities for one set:

Single lens	1
Holder	1

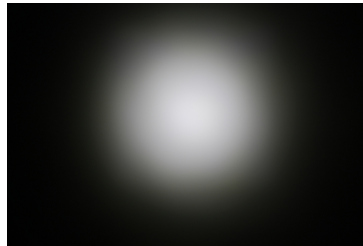
Component		Qty in box	MOQ	MPQ	Box weight (kg)
F12075_IRIS	Single lens	450	90	45	7.5
» Box size: 480 x 280 x 300 mm					
C12202_IRIS-XP-HLD	Holder	1080	90	15	7.6
» Box size: 480 x 280 x 300 mm					



OPTICAL RESULTS (MEASURED):



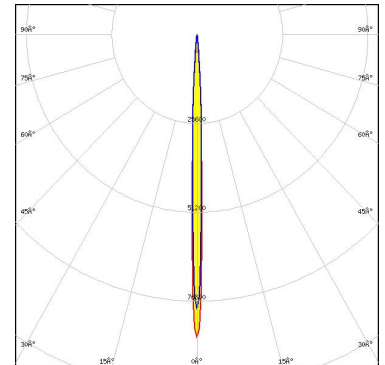
LED XHP35 HI
FWHM / FWTM 7.6° / 17.0°
Efficiency 90 %
Peak intensity 35.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



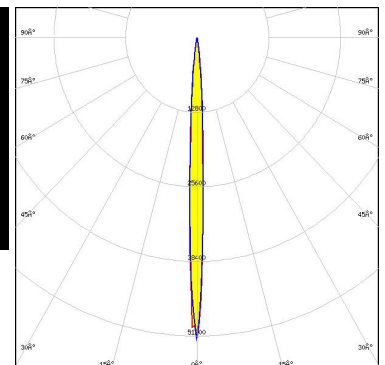
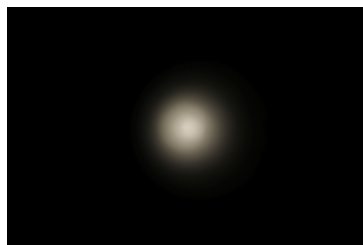
LED XP-E
FWHM / FWTM 4.0° / 9.0°
Efficiency 93 %
Peak intensity 87.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G
FWHM / FWTM 5.0° / 13.0°
Efficiency 93 %
Peak intensity 52 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

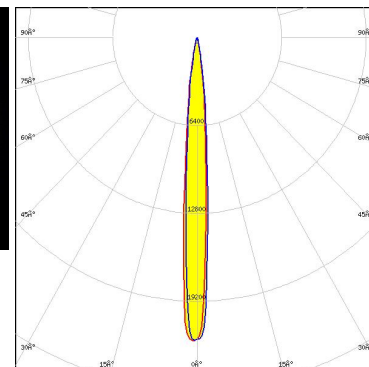


Light distribution files

OPTICAL RESULTS (MEASURED):



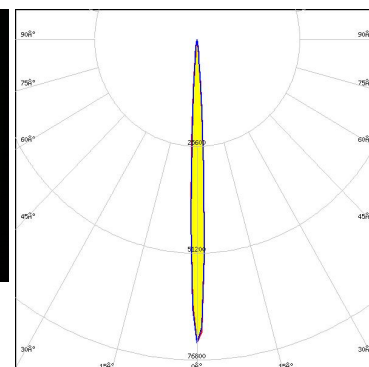
LED XP-L HD
FWHM / FWTM 8.5° / 20.0°
Efficiency 93 %
Peak intensity 22.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



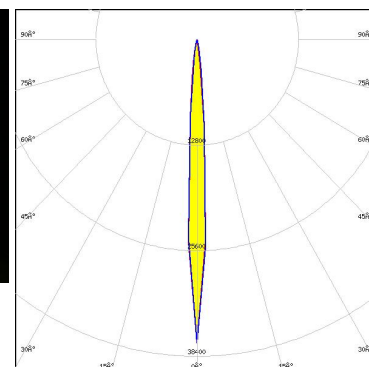
LED LUXEON Rebel
FWHM / FWTM 5.0° / 9.0°
Efficiency 93 %
Peak intensity 75.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON Rebel ES
FWHM / FWTM 7.0° / 14.0°
Efficiency 93 %
Peak intensity 38.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

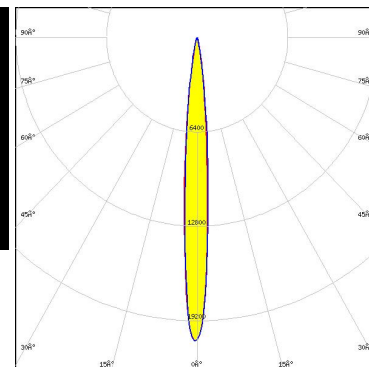


Light distribution files

OPTICAL RESULTS (MEASURED):



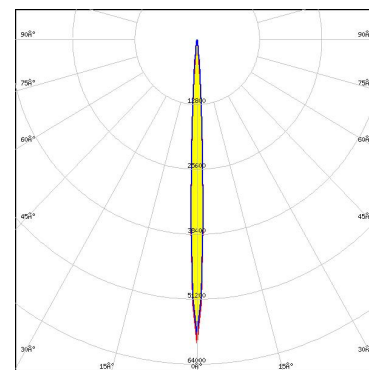
LED LUXEON V
FWHM / FWTM 9.0° / 20.0°
Efficiency 92 %
Peak intensity 20.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



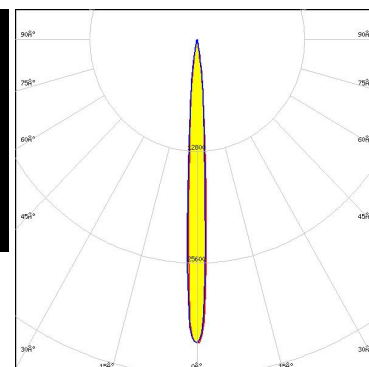
LED NCSxx19A
FWHM / FWTM 5.0° / 11.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW219F
FWHM / FWTM 7.0° / 17.0°
Efficiency 93 %
Peak intensity 34.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

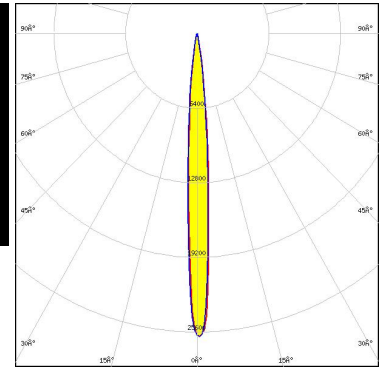
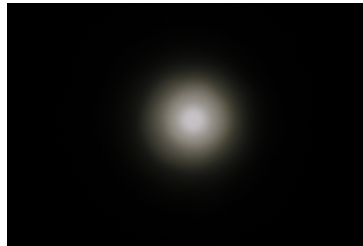


Light distribution files

OPTICAL RESULTS (MEASURED):



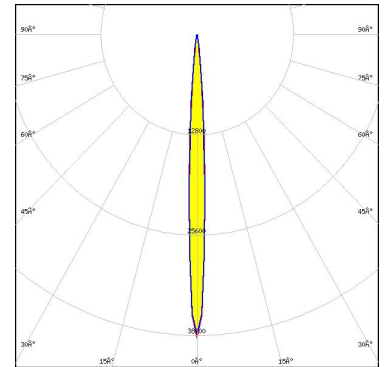
LED NVSW3x9A
FWHM / FWTM 8.0° / 18.0°
Efficiency 90 %
Peak intensity 26.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



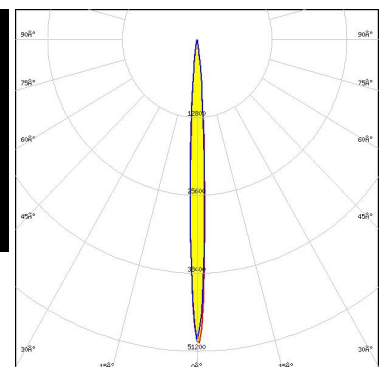
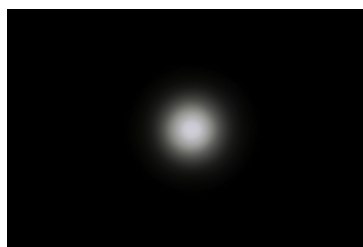
LED NVSxx19A
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 38.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 6.0° / 13.0°
Efficiency 94 %
Peak intensity 49.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

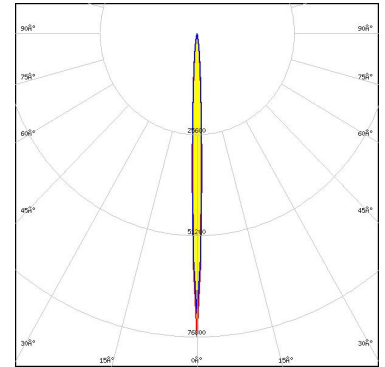


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

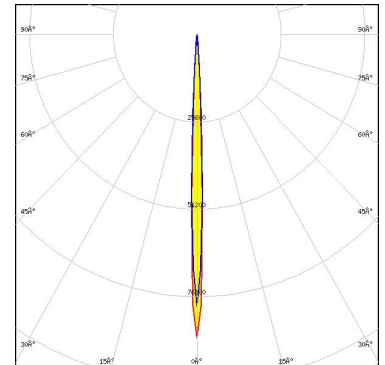
LED OSLON SSL 150
FWHM / FWTM 4.0° / 11.0°
Efficiency 93 %
Peak intensity 76.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

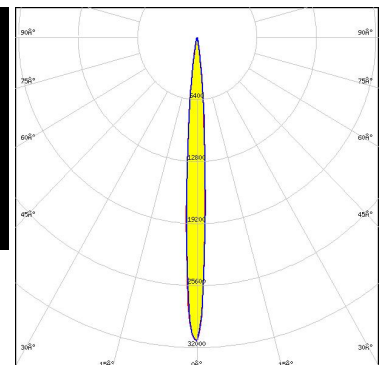
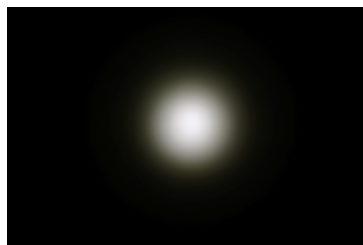
LED OSLON SSL 80
FWHM / FWTM 4.0° / 9.0°
Efficiency 90 %
Peak intensity 89 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEKUL
SEOUL SEMICONDUCTOR

LED Z5M3
FWHM / FWTM 7.0° / 16.0°
Efficiency 92 %
Peak intensity 3.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

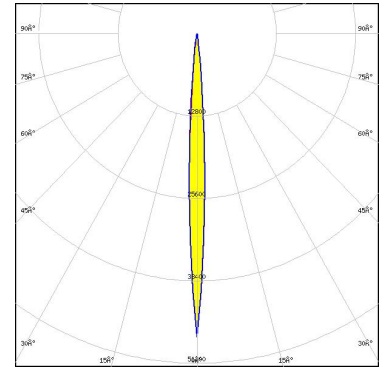


Light distribution files

OPTICAL RESULTS (SIMULATED):



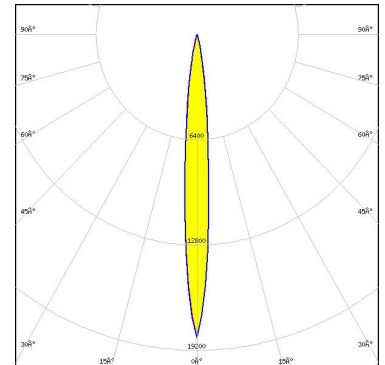
LED XD16
FWHM / FWTM 6.0° / 14.0°
Efficiency 91 %
Peak intensity 47.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



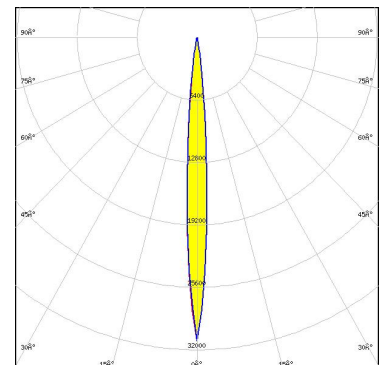
LED XHP35 HD
FWHM / FWTM 10.0° / 22.0°
Efficiency 93 %
Peak intensity 18.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XHP35 HI
FWHM / FWTM 8.0° / 18.0°
Efficiency 94 %
Peak intensity 31.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

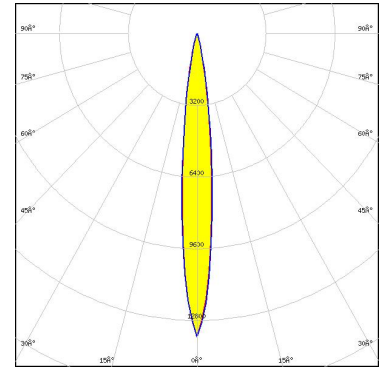


Light distribution files

OPTICAL RESULTS (SIMULATED):



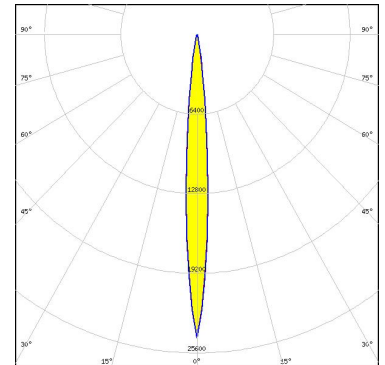
LED XHP35.2 HD
FWHM / FWTM 12.0° / 25.0°
Efficiency 86 %
Peak intensity 13.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



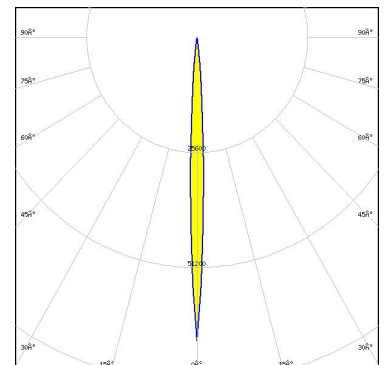
LED XHP35.2 HI
FWHM / FWTM 8.0° / 18.0°
Efficiency 90 %
Peak intensity 24.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-E2
FWHM / FWTM 6.0° / 12.0°
Efficiency 93 %
Peak intensity 67.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

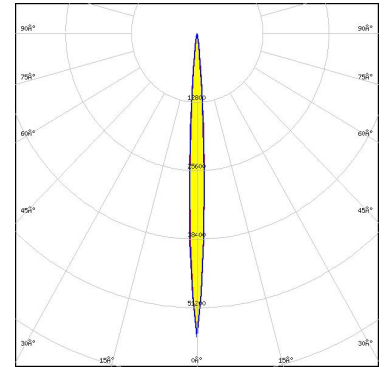


Light distribution files

OPTICAL RESULTS (SIMULATED):



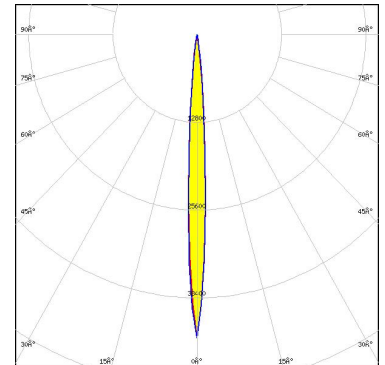
LED XP-E2
FWHM / FWTM 5.9° / 13.0°
Efficiency 94 %
Peak intensity 56.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



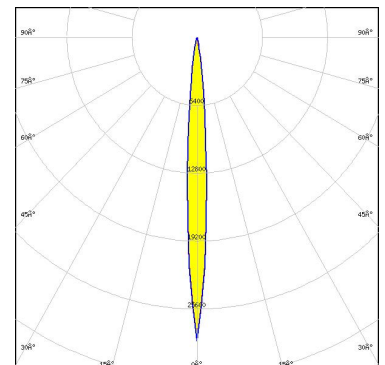
LED XP-G2
FWHM / FWTM 6.7° / 15.0°
Efficiency 94 %
Peak intensity 44.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2 HE
FWHM / FWTM 8.0° / 18.0°
Efficiency 90 %
Peak intensity 28.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

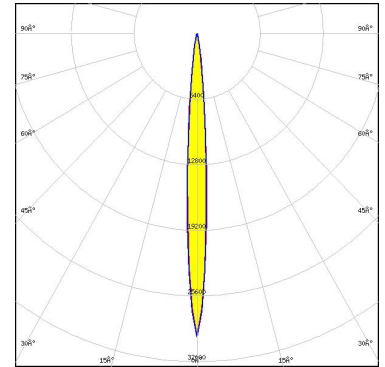


Light distribution files

OPTICAL RESULTS (SIMULATED):



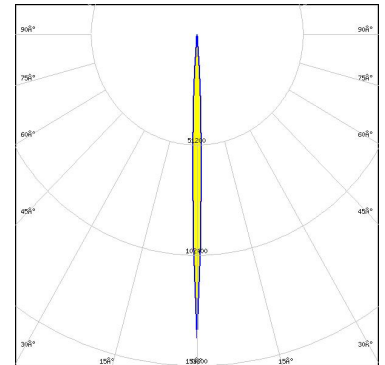
LED XP-G3
FWHM / FWTM 7.5° / 18.0°
Efficiency 91 %
Peak intensity 29.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



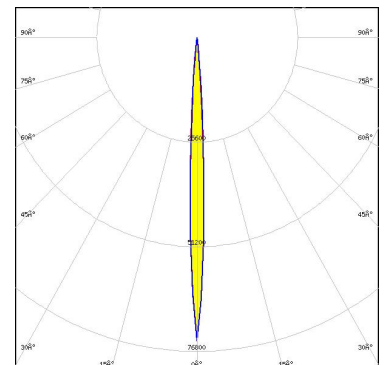
LED XP-P
FWHM / FWTM 3.0° / 8.0°
Efficiency 96 %
Peak intensity 140.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XQ-E HD
FWHM / FWTM 5.5° / 12.0°
Efficiency 94 %
Peak intensity 74.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):

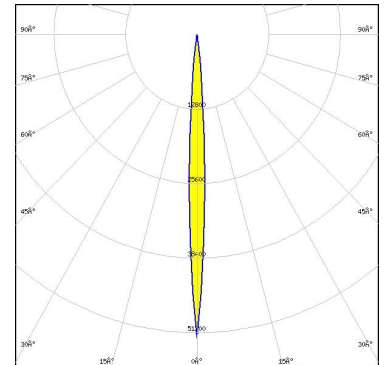


LED	XQ-E HD
FWHM / FWTM	5.0° / 11.5°
Efficiency	93 %
Peak intensity	80 cd/Im
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files



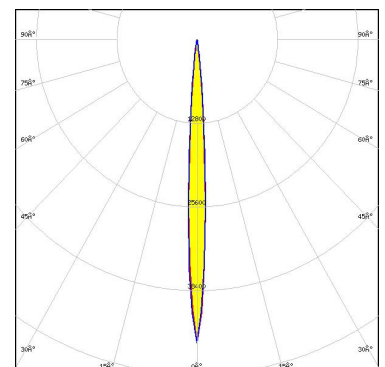
LED	SST-20 Gen1
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	52.1 cd/Im
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	6.5° / 13.0°
Efficiency	94 %
Peak intensity	46.4 cd/Im
LEDs/each optic	1
Light colour/type	White
Required components:	

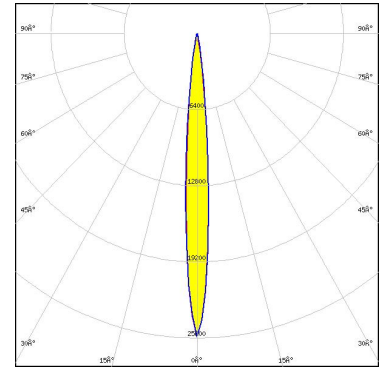


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

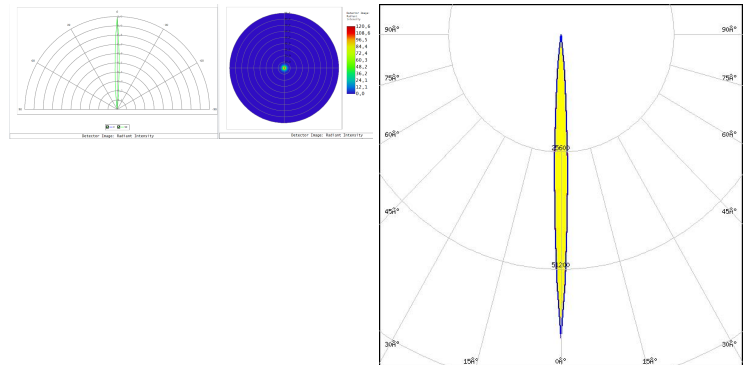
LED OSCONIQ P 3737 (3W version)
FWHM / FWTM 9.0° / 19.0°
Efficiency 94 %
Peak intensity 25.5 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

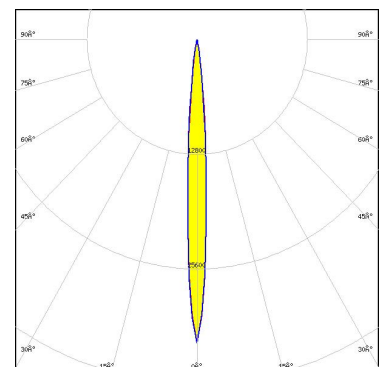
LED SFH 4716AS
FWHM / FWTM 6.0° / 12.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

LED LH351B
FWHM / FWTM 7.4° / 17.0°
Efficiency 94 %
Peak intensity 33.9 cd/m
LEDs/each optic 1
Light colour/type White
Required components:

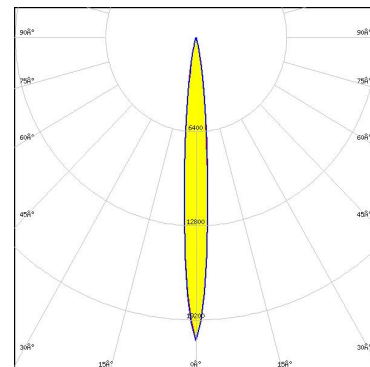


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

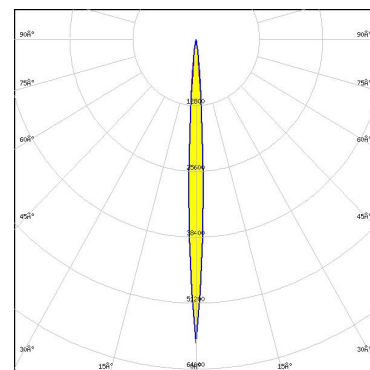
LED	LH351D
FWHM / FWTM	9.2° / 21.0°
Efficiency	90 %
Peak intensity	20.6 cd/m
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

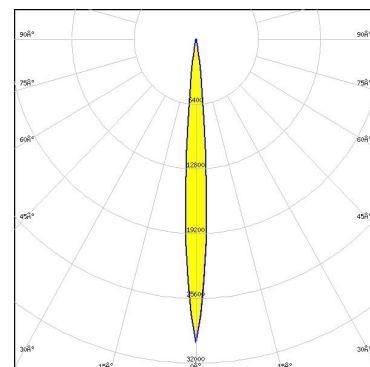
LED	LM101B
FWHM / FWTM	6.0° / 12.0°
Efficiency	92 %
Peak intensity	58.9 cd/m
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	Z8Y22P
FWHM / FWTM	8.0°
Efficiency	98 %
Peak intensity	29.9 cd/m
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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