

IRIS

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



SPECIFICATION:

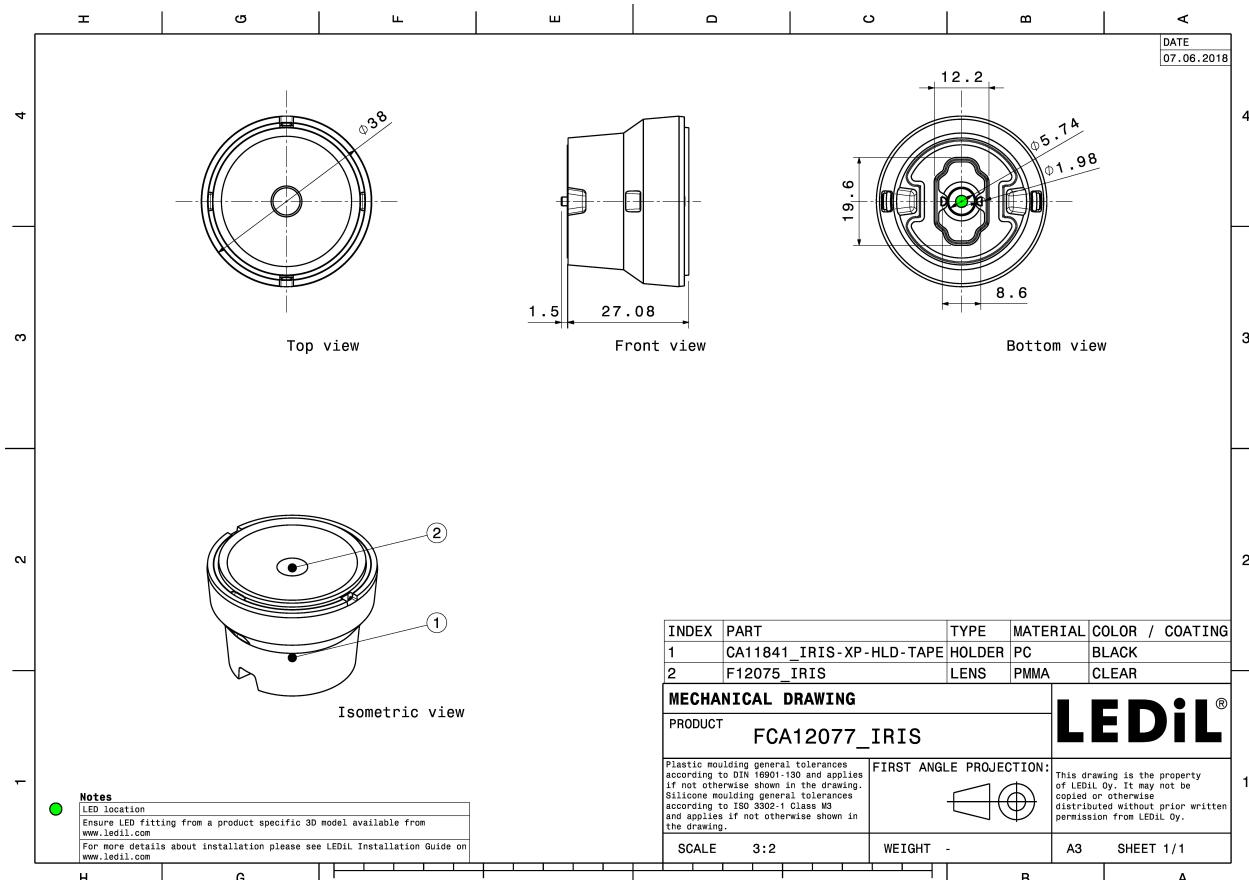
Dimensions	Ø 38.0 mm
Height	27.1 mm
Fastening	glue, tape, pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish	Length
IRIS	Single lens	PMMA	clear		
IRIS-XP-HLD-TAPE	Assembly	PC	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FCA12077_IRIS » Box size: 480 x 280 x 300 mm	Single lens	378	126	42

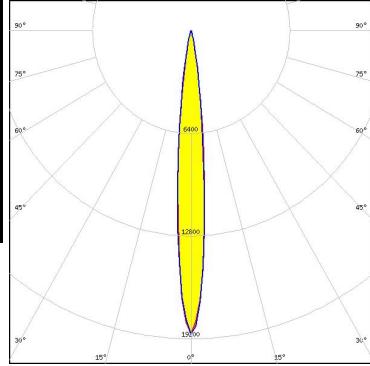


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



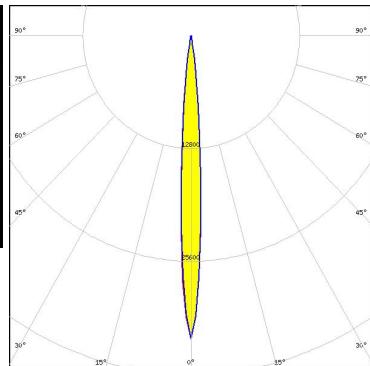
LED XHP35 HD
FWHM / FWTM 10.0° / 23.0°
Efficiency 89 %
Peak intensity 18.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



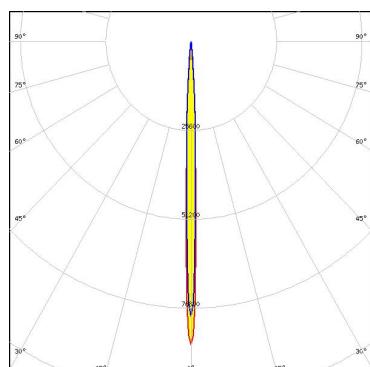
LED XHP35 HI
FWHM / FWTM 7.6° / 17.0°
Efficiency 90 %
Peak intensity 35.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

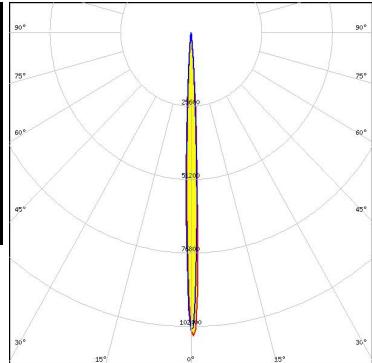


Light distribution files

OPTICAL RESULTS (MEASURED):



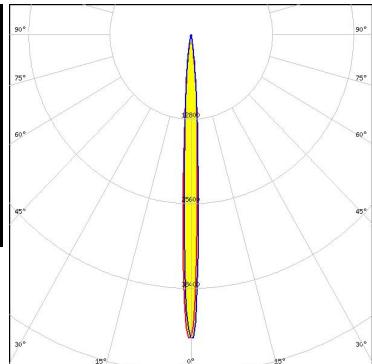
LED XP-E2
FWHM / FWTM 5.0° / 9.0°
Efficiency 93 %
Peak intensity 103.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



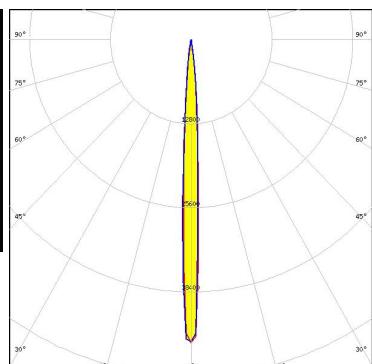
LED XP-G
FWHM / FWTM 6.0° / 14.0°
Efficiency 94 %
Peak intensity 46.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2
FWHM / FWTM 6.0° / 14.0°
Efficiency 95 %
Peak intensity 46 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

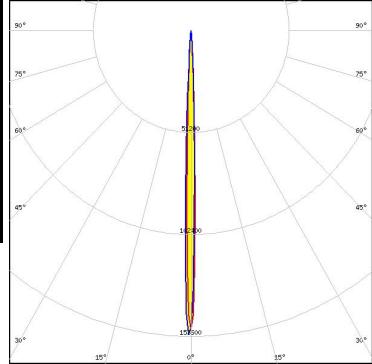


Light distribution files

OPTICAL RESULTS (MEASURED):



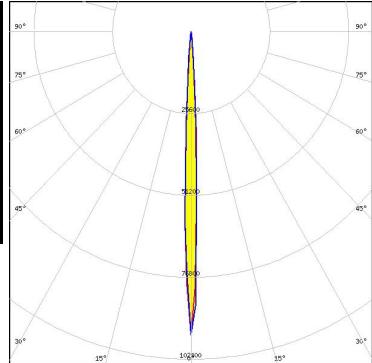
LED XP-P
FWHM / FWTM 3.0° / 8.0°
Efficiency 96 %
Peak intensity 152.7 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



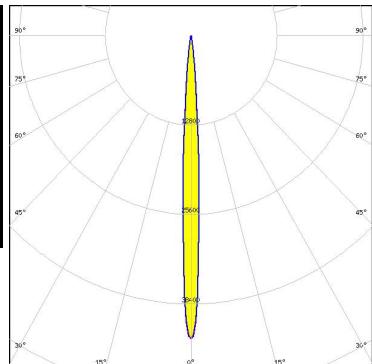
LED XQ-E HII
FWHM / FWTM 3.9° / 9.0°
Efficiency 88 %
Peak intensity 123.3 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XT-E
FWHM / FWTM 6.0° / 13.0°
Efficiency 91 %
Peak intensity 44 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

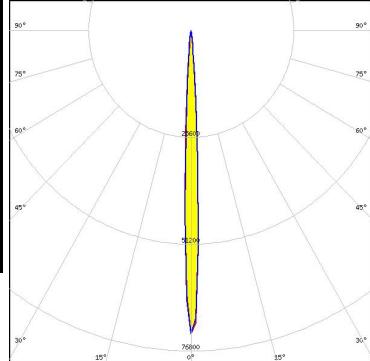


Light distribution files

OPTICAL RESULTS (MEASURED):



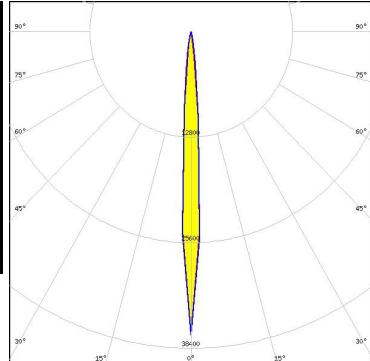
LED LUXEON Rebel
 FWHM / FWTM 5.0° / 9.0°
 Efficiency %
 Peak intensity 75.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



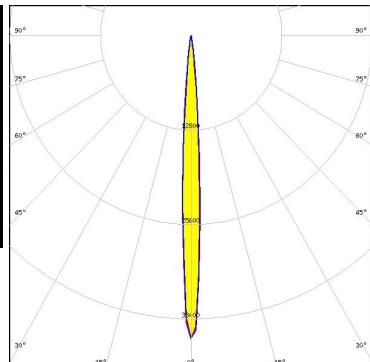
LED LUXEON Rebel ES
 FWHM / FWTM 7.0° / 14.0°
 Efficiency 93 %
 Peak intensity 38.5 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED LUXEON T
 FWHM / FWTM 7.0° / 14.0°
 Efficiency 94 %
 Peak intensity 40.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

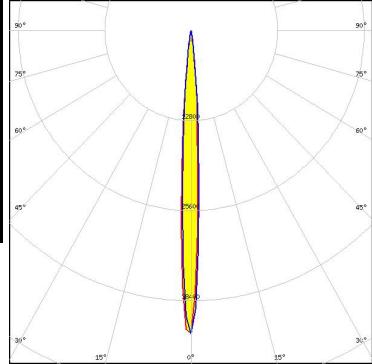


Light distribution files

OPTICAL RESULTS (MEASURED):



LED LUXEON TX
 FWHM / FWTM 6.9° / 15.0°
 Efficiency 89 %
 Peak intensity 43.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

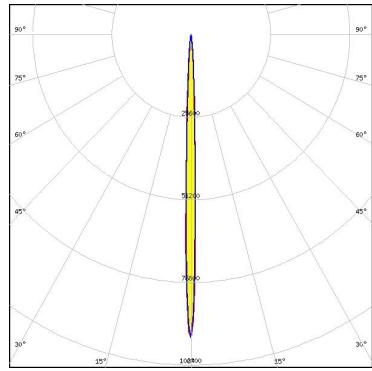
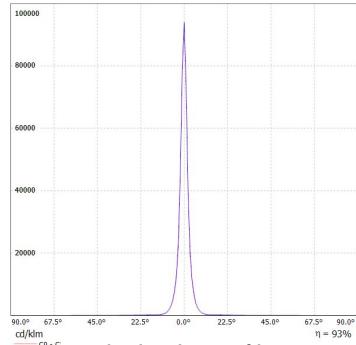


Light distribution files



LED LUXEON Z ES
 FWHM / FWTM 4.0° / 9.0°
 Efficiency 93 %
 Peak intensity 94.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Luminare: LEDiL_Oy FCA12077_IRIS_(Z_ES)
 Lamp: 1 x Philips_Lumileds_Luxeon_Z_ES_U(X22-5070)
 _84 6528lm@250mA, P=0.730483W, I=249.9mA



Light distribution files



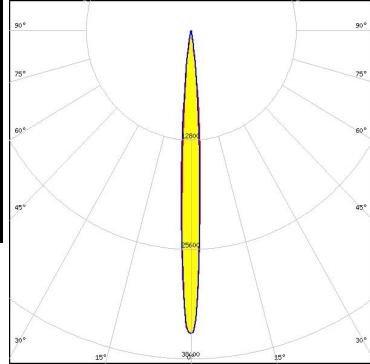
LED NCSxx19A
 FWHM / FWTM 5.0° / 11.0°
 Efficiency %
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):



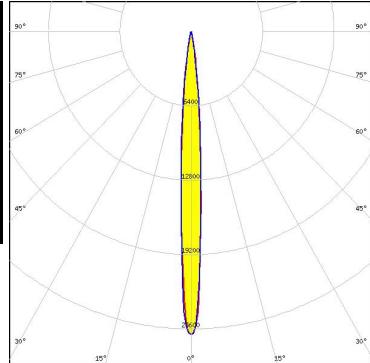
LED NVSW219F
 FWHM / FWTM 7.0° / 16.0°
 Efficiency 94 %
 Peak intensity 35.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



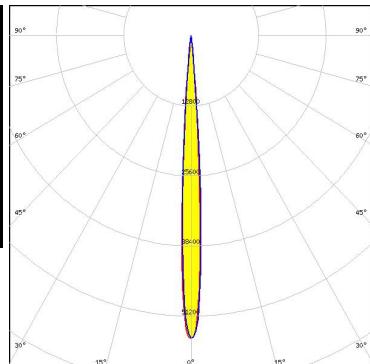
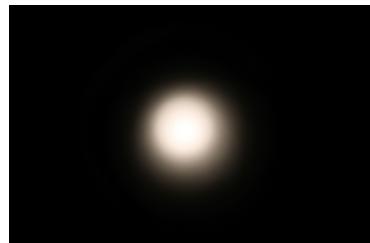
LED NVSW3x9A
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 89 %
 Peak intensity 26.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED NVSW719AC
 FWHM / FWTM 7.0° / 11.0°
 Efficiency 91 %
 Peak intensity 55.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

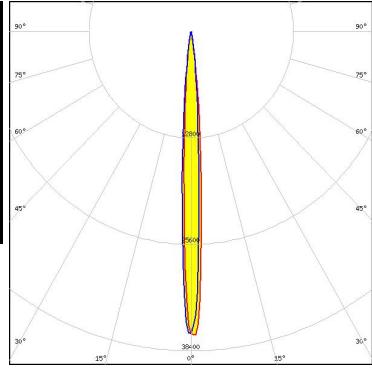


LED NVSxx19A
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 38.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

[Light distribution files](#)



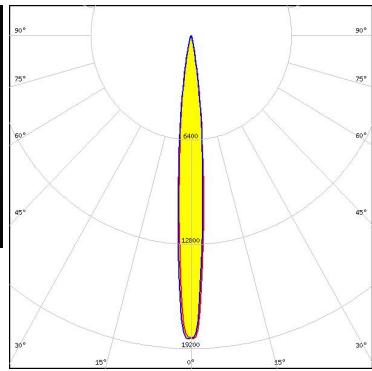
LED NVSxx19B/NVSxx19C
FWHM / FWTM 7.0° / 15.0°
Efficiency 92 %
Peak intensity 36.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



[Light distribution files](#)



LED NWSx229A
FWHM / FWTM 10.0° / 21.0°
Efficiency 91 %
Peak intensity 18.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

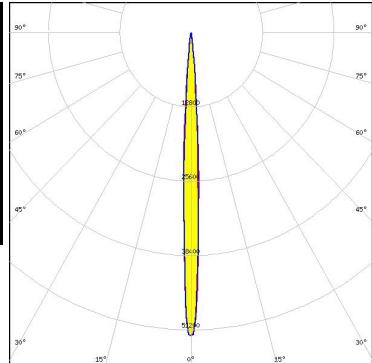


[Light distribution files](#)

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

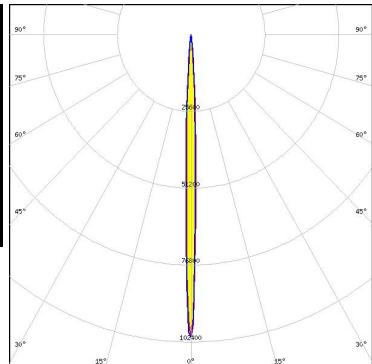
LED OSLON Square EC
FWHM / FWTM 6.0° / 12.0°
Efficiency 92 %
Peak intensity 52 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLON SSL 150
FWHM / FWTM 4.0° / 9.0°
Efficiency 94 %
Peak intensity 101 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

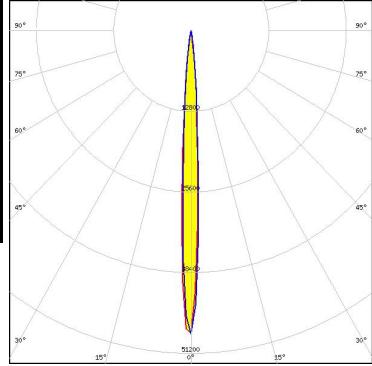
LED OSLON SSL 80
FWHM / FWTM 4.0° / 9.0°
Efficiency 90 %
Peak intensity 89 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

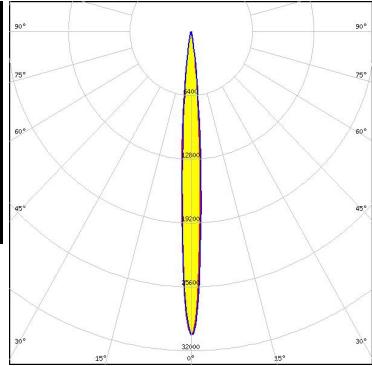
LED LH351Z
FWHM / FWTM 7.0° / 15.0°
Efficiency 89 %
Peak intensity 48.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEoul SEMICONDUCTOR

LED Z5M3
FWHM / FWTM 7.0° / 16.0°
Efficiency 92 %
Peak intensity 30 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

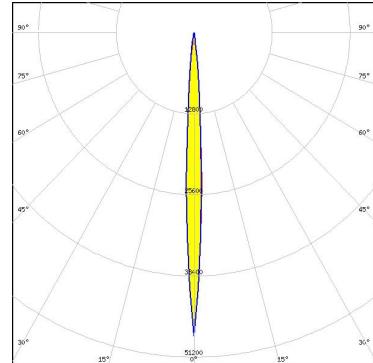


Light distribution files

OPTICAL RESULTS (SIMULATED):



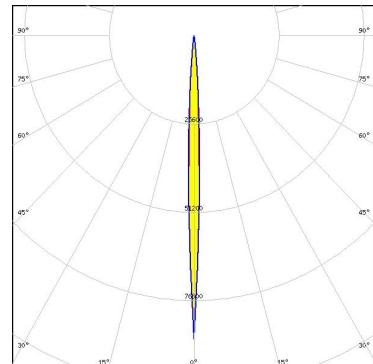
LED XD16
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 91 %
 Peak intensity 47.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



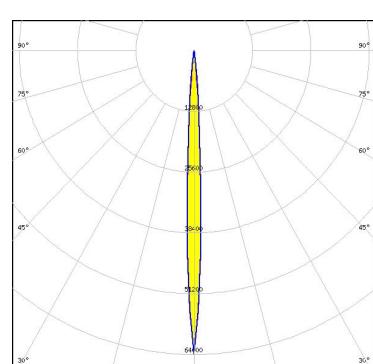
Light distribution files



LED XE-G
 FWHM / FWTM 4.0° / 10.0°
 Efficiency 91 %
 Peak intensity 87.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



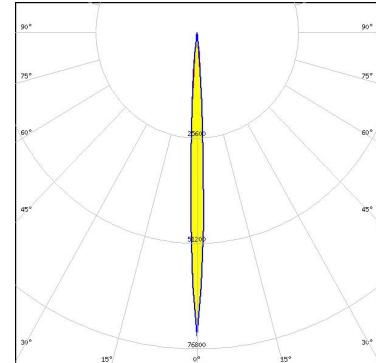
LED XE-G
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 93 %
 Peak intensity 63.9 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



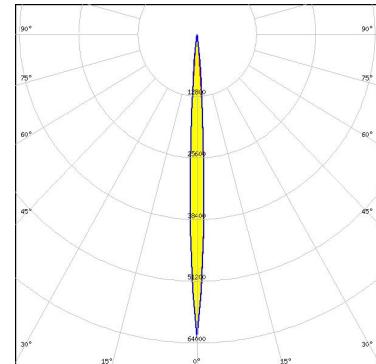
OPTICAL RESULTS (SIMULATED):



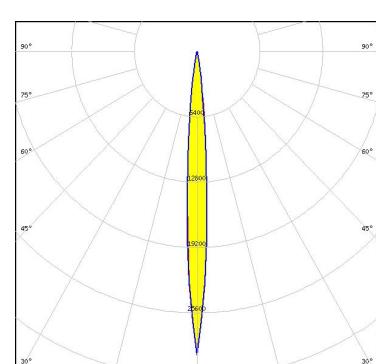
LED XE-G
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 92 %
 Peak intensity 73.6 cd/lm
 LEDs/each optic 1
 Light colour/type Royal Blue
 Required components:



LED XE-G
 FWHM / FWTM 6.0° / 12.0°
 Efficiency 92 %
 Peak intensity 62.9 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



LED XP-G2 HE
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 92 %
 Peak intensity 29.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

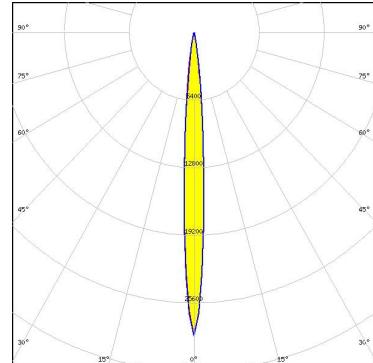


Light distribution files

OPTICAL RESULTS (SIMULATED):



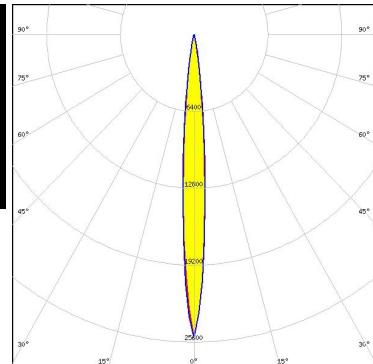
LED	XP-G3
FWHM / FWTM	7.7° / 18.0°
Efficiency	91 %
Peak intensity	28.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



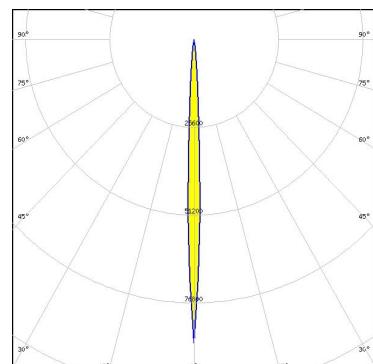
LED	XP-L HD
FWHM / FWTM	8.6° / 19.0°
Efficiency	93 %
Peak intensity	25.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	XP-P
FWHM / FWTM	4.0° / 10.0°
Efficiency	93 %
Peak intensity	88.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

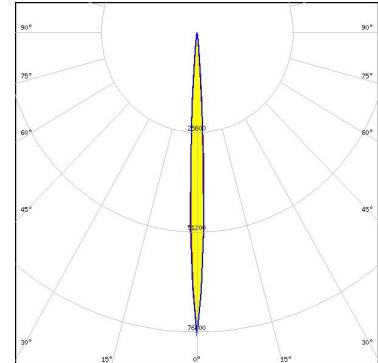


Light distribution files

OPTICAL RESULTS (SIMULATED):



LED XQ-E HD
 FWHM / FWTM 5.3° / 11.0°
 Efficiency 94 %
 Peak intensity 77.8 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

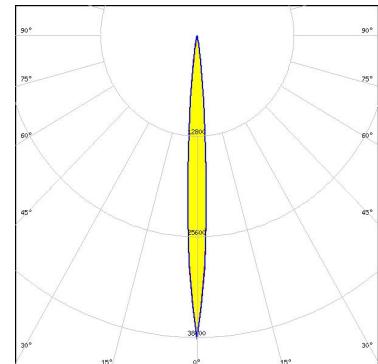


LED XQ-E HD
 FWHM / FWTM 5.0° / 11.5°
 Efficiency 93 %
 Peak intensity 80 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

Light distribution files



LED LUXEON H50-2
 FWHM / FWTM 7.0° / 15.0°
 Efficiency 94 %
 Peak intensity 38.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):



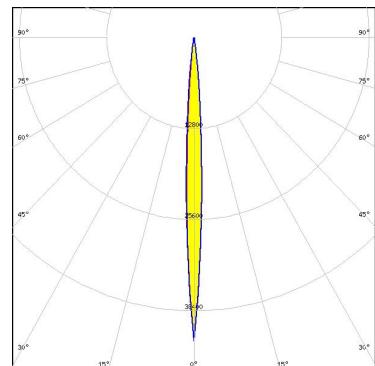
LED LUXEON HL2Z
FWHM / FWTM 6.0° / 14.0°
Efficiency 93 %
Peak intensity 54.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON Rubix
FWHM / FWTM 4.0° / 8.0°
Efficiency 92 %
Peak intensity 130.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 6.0° / 14.0°
Efficiency 90 %
Peak intensity 42.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

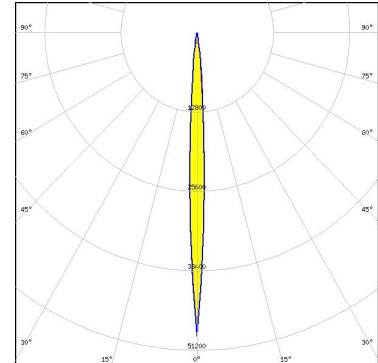


Light distribution files

OPTICAL RESULTS (SIMULATED):



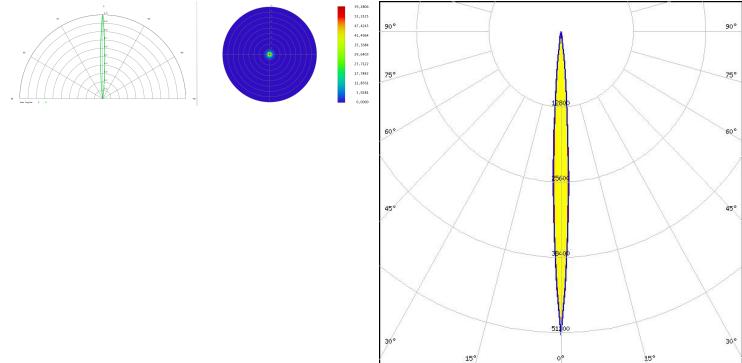
LED LUXEON SunPlus 35 Line
 FWHM / FWTM 6.0° / 15.0°
 Efficiency 94 %
 Peak intensity 49.9 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:



Light distribution files



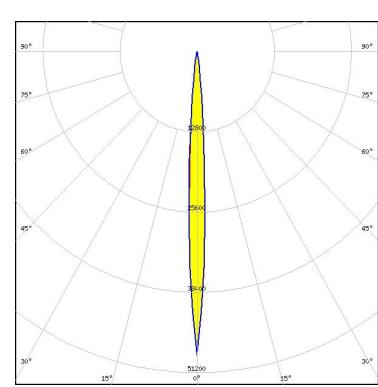
LED SST-10-B130
 FWHM / FWTM 6.0° / 13.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type IR
 Required components:



Light distribution files



LED SST-20
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 93 %
 Peak intensity 48.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

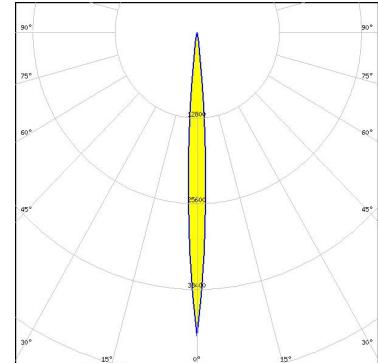


Light distribution files

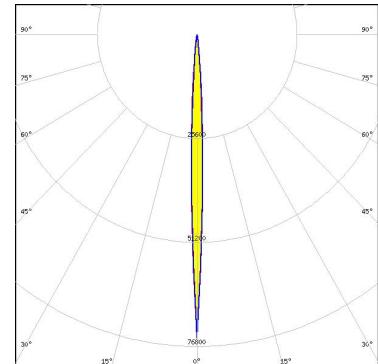
OPTICAL RESULTS (SIMULATED):



LED NVSW719AC
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 94 %
 Peak intensity 45.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



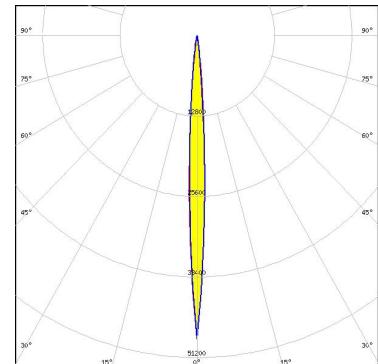
LED Duris S5 (Single chip)
 FWHM / FWTM 4.0° / 12.0°
 Efficiency 93 %
 Peak intensity 74.7 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



Light distribution files



LED Duris S5 (Single chip)
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 94 %
 Peak intensity 48.2 cd/lm
 LEDs/each optic 1
 Light colour/type Yellow
 Required components:



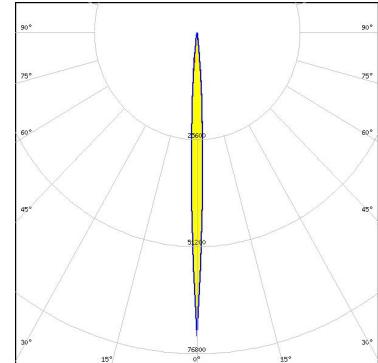
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED Duris S5 (Single chip)
FWHM / FWTM 4.0° / 12.0°
Efficiency 93 %
Peak intensity 72.5 cd/lm
LEDs/each optic 1
Light colour/type Green
Required components:

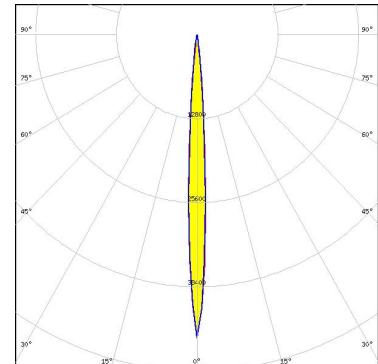


Light distribution files

OSRAM

Opto Semiconductors

LED OSCONIQ P 3737 (2W version)
FWHM / FWTM 6.0° / 14.0°
Efficiency 94 %
Peak intensity 46.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

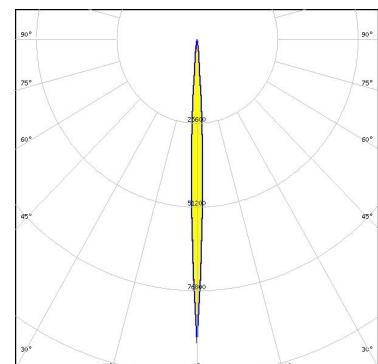


Light distribution files

OSRAM

Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 4.2° / 10.0°
Efficiency 94 %
Peak intensity 92 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



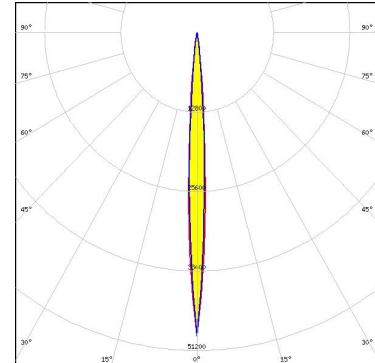
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 6.0° / 14.0°
Efficiency 94 %
Peak intensity 48.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

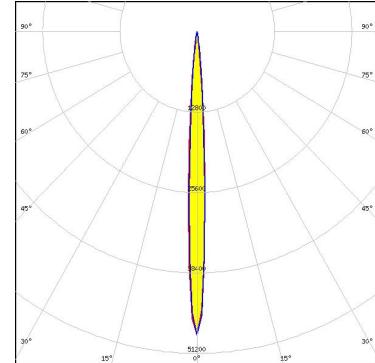


Light distribution files

OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3
FWHM / FWTM 6.4° / 14.0°
Efficiency 94 %
Peak intensity 48.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

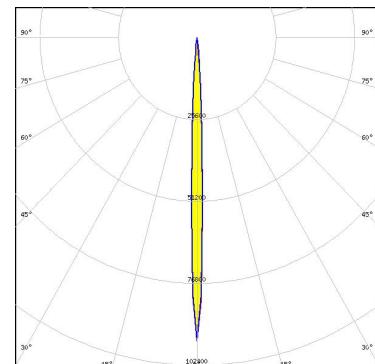


Light distribution files

OSRAM

Opto Semiconductors

LED OSTAR Projection Compact (KW.CSLNM1.TG)
FWHM / FWTM 4.0° / 10.0°
Efficiency 93 %
Peak intensity 94.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



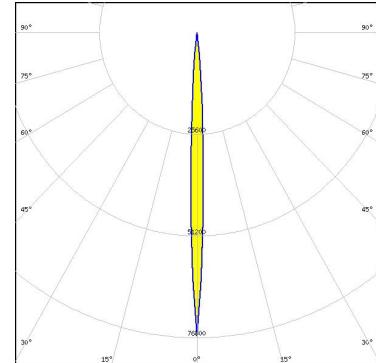
Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

LED	OSTAR Projection Compact (KW.CSLNM1.TG)
FWHM / FWTM	6.0° / 12.0°
Efficiency	94 %
Peak intensity	76.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

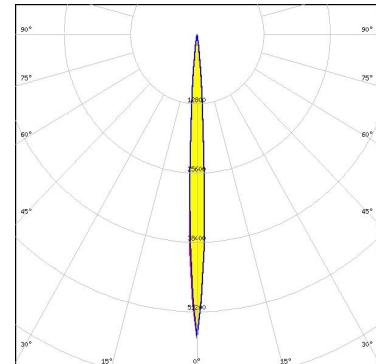


Light distribution files

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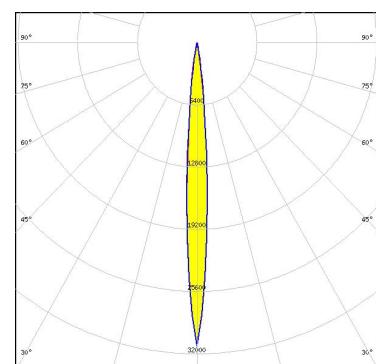
LED	SFH 4716AS
FWHM / FWTM	6.0° / 12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour/type	IR
Required components:	



Light distribution files

SAMSUNG

LED	LH351C
FWHM / FWTM	8.0° / 18.0°
Efficiency	93 %
Peak intensity	31.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

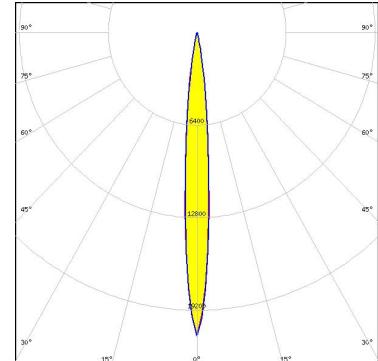


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

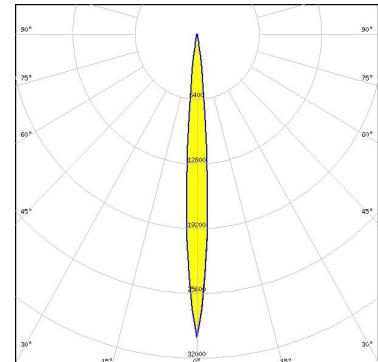
LED LH351D
FWHM / FWTM 9.3° / 21.0°
Efficiency 90 %
Peak intensity 21 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SEoul SEMICONDUCTOR

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

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