

HEIDI-SS

~15° smooth spot beam optimized for LUXEON
Rebel ES

SPECIFICATION:

Dimensions	Ø 21.6
Height	11.7 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

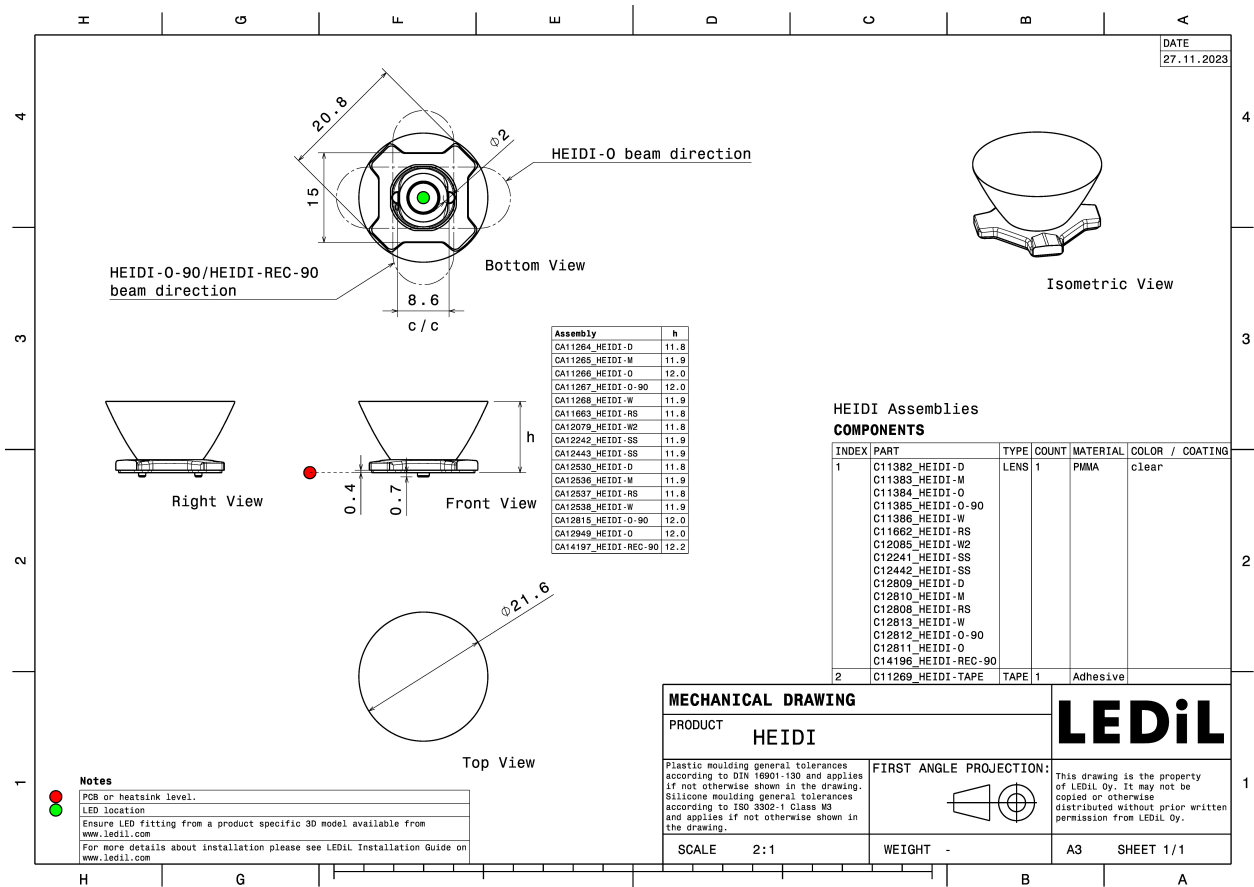


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
HEIDI-SS	Single lens	PMMA	clear		
HEIDI-TAPE	Tape	Acryl tape	black		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12443_HEIDI-SS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					

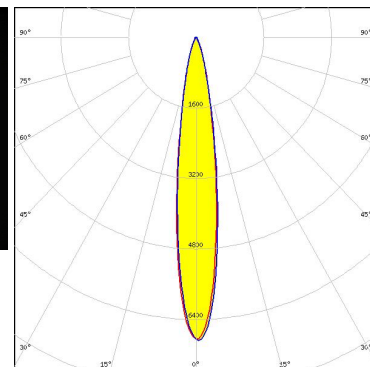
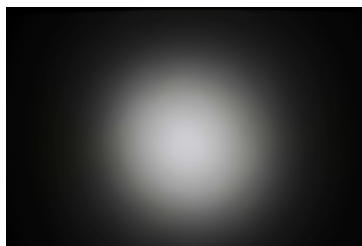


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



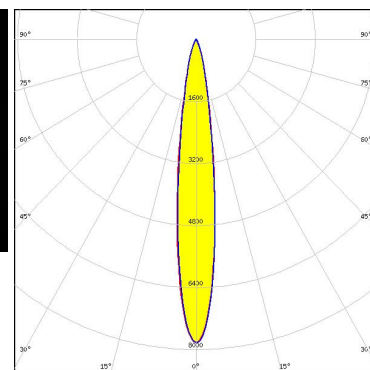
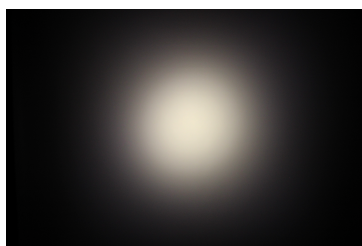
LED XP-G3
FWHM / FWTM 16.0° / 35.0°
Efficiency 94 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G4
FWHM / FWTM 15.0° / 32.0°
Efficiency 95 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON R
FWHM / FWTM 16.0° / 36.0°
Efficiency 91 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

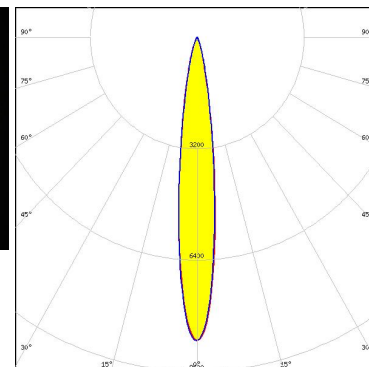


Light distribution files

OPTICAL RESULTS (MEASURED):



LED LUXEON Rebel
FWHM / FWTM 14.0° / 31.0°
Efficiency 89 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



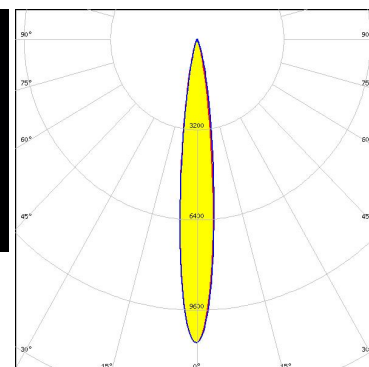
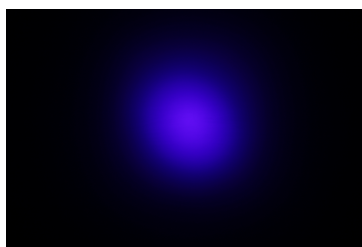
LED LUXEON Rebel ES
FWHM / FWTM 14.0° / 34.0°
Efficiency 91 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED SST-10-B130
FWHM / FWTM 13.0° / 27.0°
Efficiency 95 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour/type Blue
Required components:

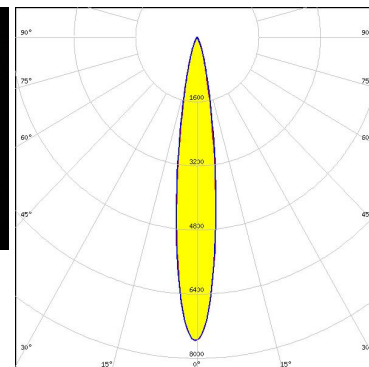
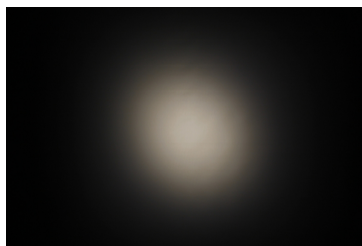


Light distribution files

OPTICAL RESULTS (MEASURED):



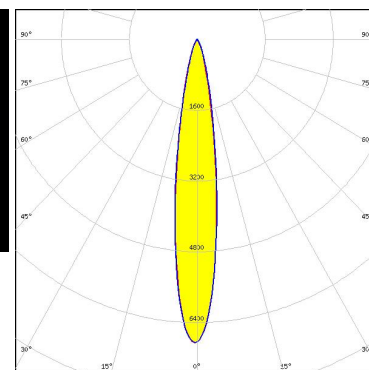
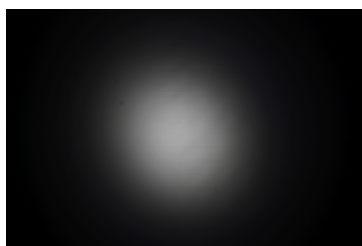
LED NVSW219D
FWHM / FWTM 15.0° / 33.0°
Efficiency 94 %
Peak intensity 7.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



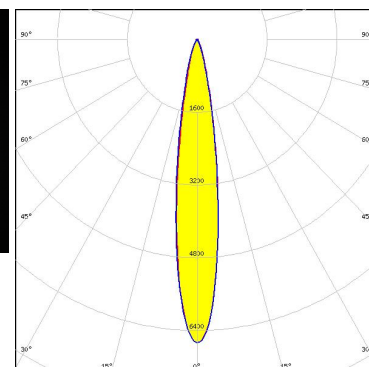
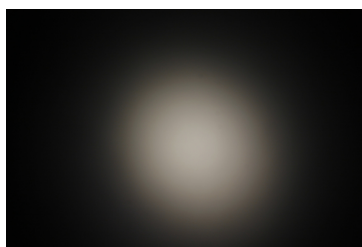
LED NVSW319B
FWHM / FWTM 16.0° / 35.0°
Efficiency 94 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSW3x9A
FWHM / FWTM 16.0° / 34.0°
Efficiency 92 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

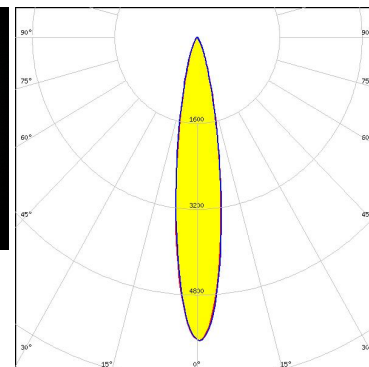
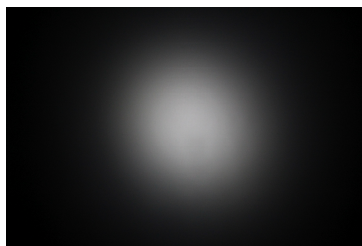


Light distribution files

OPTICAL RESULTS (MEASURED):



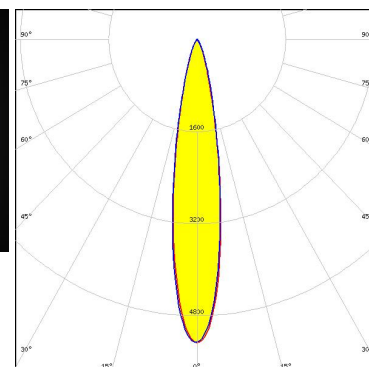
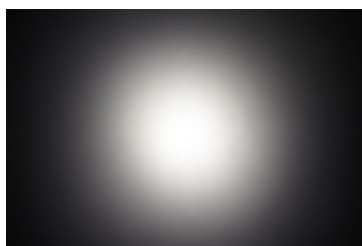
LED NVSW519A
 FWHM / FWTM 18.0° / 39.0°
 Efficiency 95 %
 Peak intensity 5.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



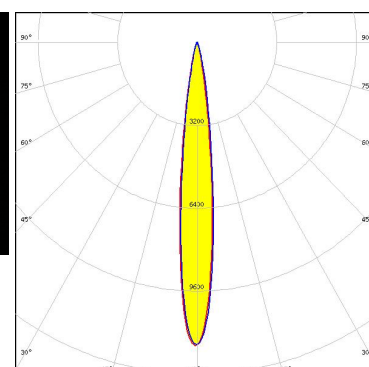
LED NWSx229A
 FWHM / FWTM 18.0° / 39.0°
 Efficiency 86 %
 Peak intensity 5.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLOM SSL 150
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 91 %
 Peak intensity 11.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

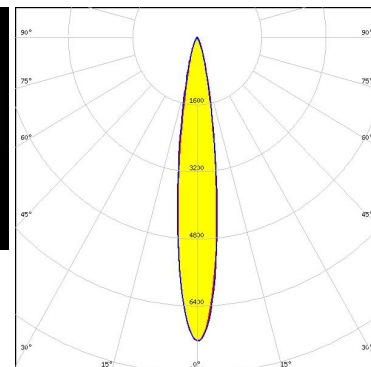


Light distribution files

OPTICAL RESULTS (MEASURED):



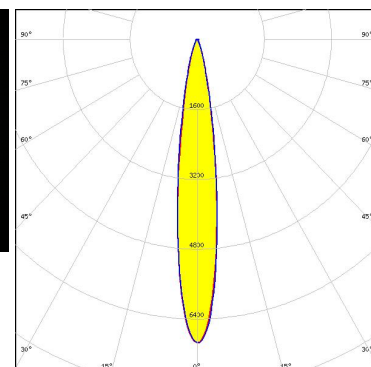
LED Z5M3
FWHM / FWTM 15.0° / 33.0°
Efficiency 94 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z8Y22P
FWHM / FWTM 15.0° / 33.0°
Efficiency 94 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

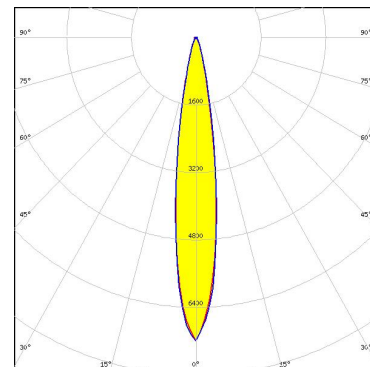


Light distribution files

OPTICAL RESULTS (SIMULATED):



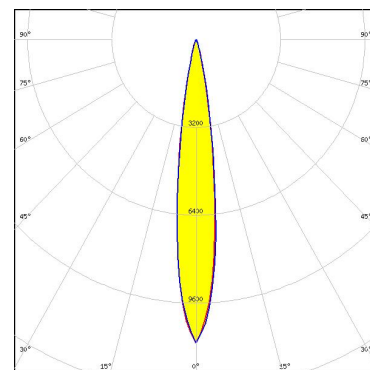
LED XHP35.2 HI
FWHM / FWTM 16.0° / 32.0°
Efficiency 95 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



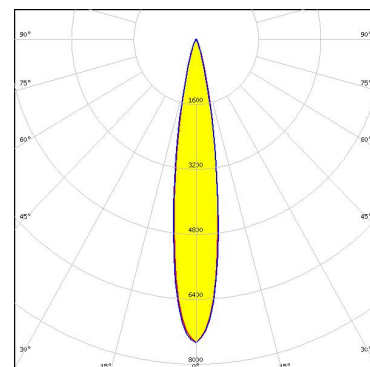
LED XP-G2
FWHM / FWTM 15.0° / 28.0°
Efficiency 96 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G2 HE
FWHM / FWTM 17.0° / 34.0°
Efficiency 94 %
Peak intensity 7.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

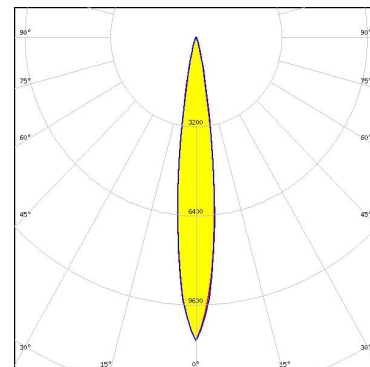


Light distribution files

OPTICAL RESULTS (SIMULATED):



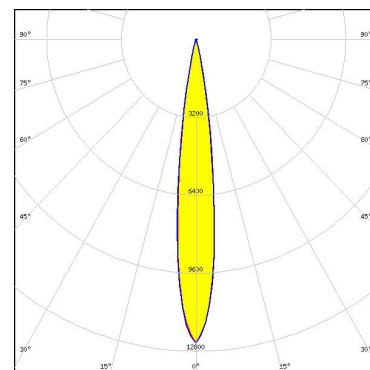
LED LUXEON HL2Z
FWHM / FWTM 14.0° / 27.0°
Efficiency 95 %
Peak intensity 10.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



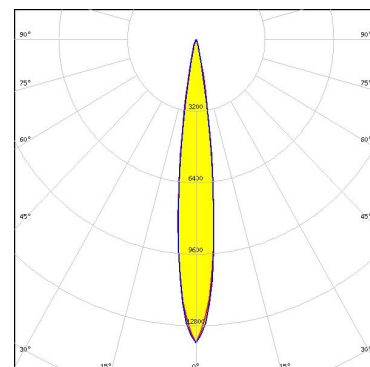
LED LUXEON SunPlus 20 Line (150 deg)
FWHM / FWTM 14.0° / 25.0°
Efficiency 93 %
Peak intensity 12.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LUXEON SunPlus 35 Line
FWHM / FWTM 14.0° / 25.0°
Efficiency 94 %
Peak intensity 13.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

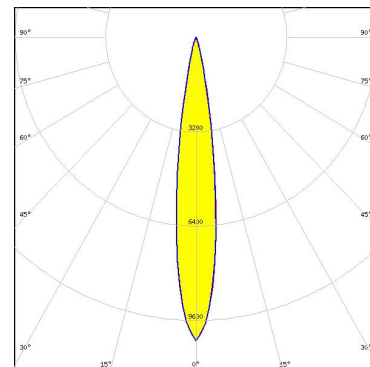


Light distribution files

OPTICAL RESULTS (SIMULATED):



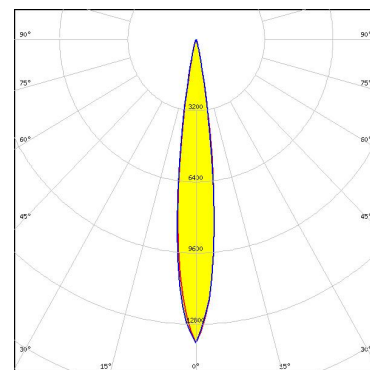
LED LUXEON TX
FWHM / FWTM 16.0° / 28.0°
Efficiency 95 %
Peak intensity 10.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



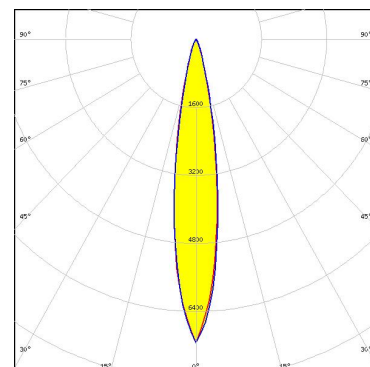
LED LUXEON Z ES
FWHM / FWTM 14.0° / 24.0°
Efficiency 95 %
Peak intensity 13.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NV4WB35AM
FWHM / FWTM 17.0° / 34.0°
Efficiency 96 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

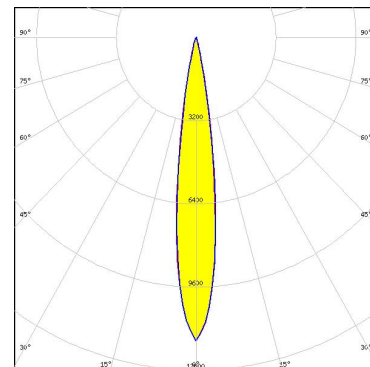


Light distribution files

OPTICAL RESULTS (SIMULATED):



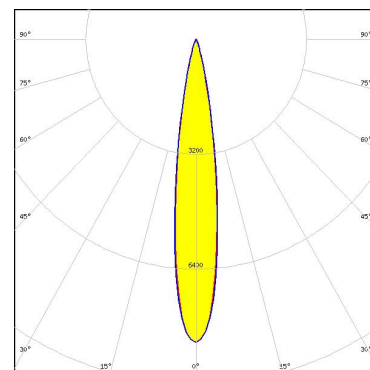
LED NVSW219C-V2
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 11.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



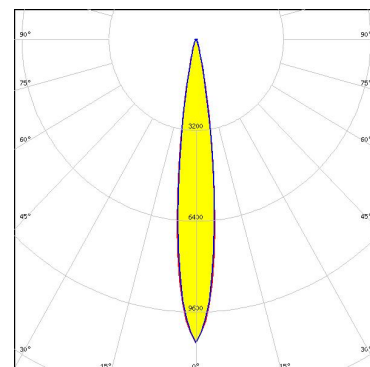
LED NVSW219GL
FWHM / FWTM 16.0° / 31.0°
Efficiency 93 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NVSxE21A
FWHM / FWTM 14.0° / 27.0°
Efficiency 94 %
Peak intensity 11.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

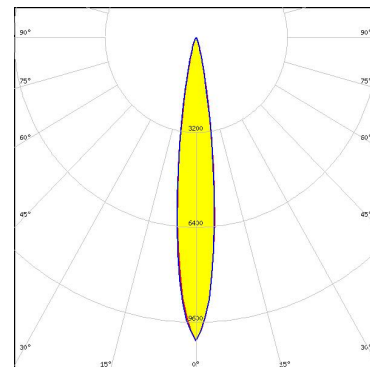


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

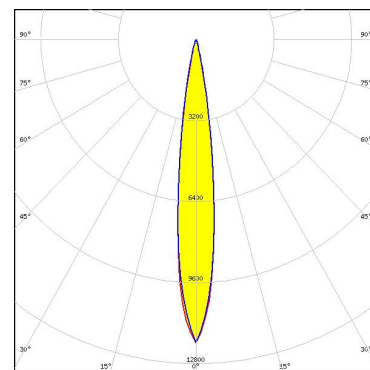
LED OSCONIQ P 3737 Flat
FWHM / FWTM 14.0° / 29.0°
Efficiency 96 %
Peak intensity 10.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

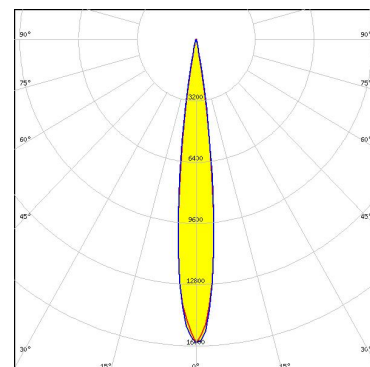
LED OSLOM Black
FWHM / FWTM 14.0° / 26.0°
Efficiency 94 %
Peak intensity 12 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

LED OSLOM Black Flat (LUW HWQP)
FWHM / FWTM 13.0° / 22.0°
Efficiency 94 %
Peak intensity 15.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

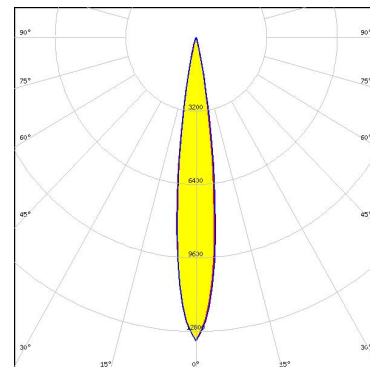


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

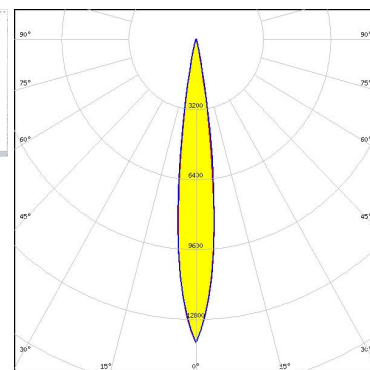
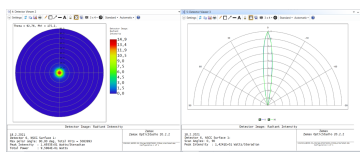
LED OSLON SSL 150
FWHM / FWTM 14.0° / 26.0°
Efficiency 96 %
Peak intensity 13.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OSRAM
Opto Semiconductors

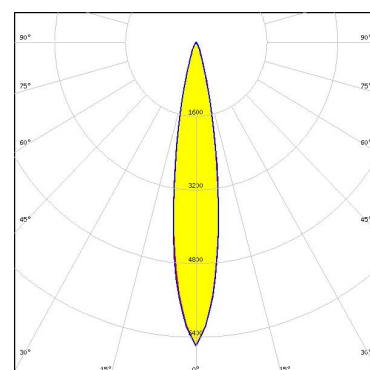
LED SFH 4716AS
FWHM / FWTM 14.0° / 24.0°
Efficiency 96 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

SAMSUNG

LED LH351D
FWHM / FWTM 18.0° / 34.0°
Efficiency 94 %
Peak intensity 6.6 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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