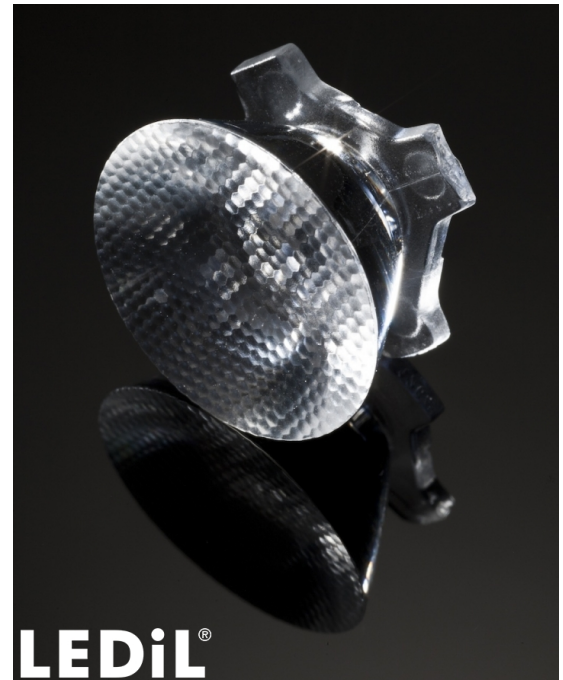


HEIDI-SS

~15° smooth spot beam optimized for LUXEON Rebel ES

SPECIFICATION:

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

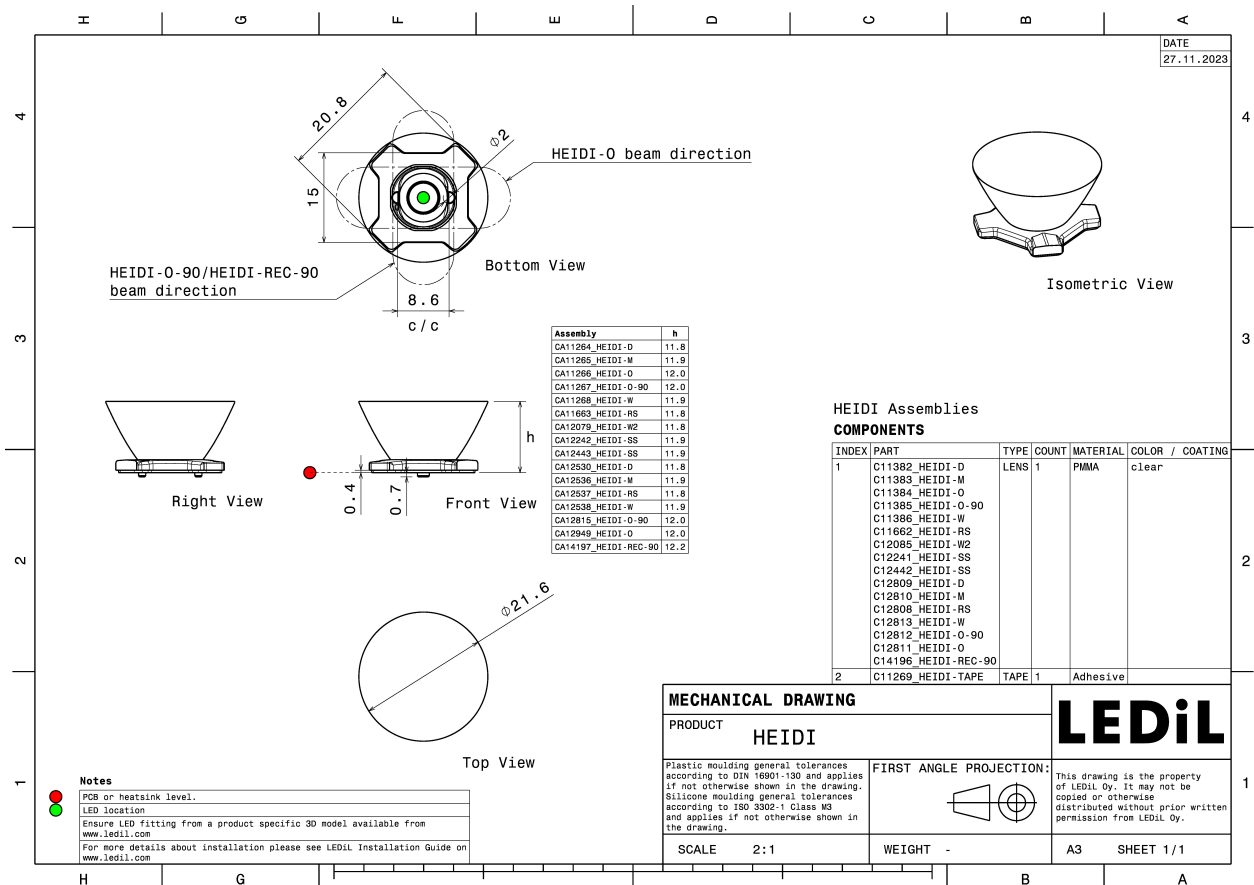


MATERIALS:

Component	Type	Material	Colour	Finish
HEIDI-SS	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	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					

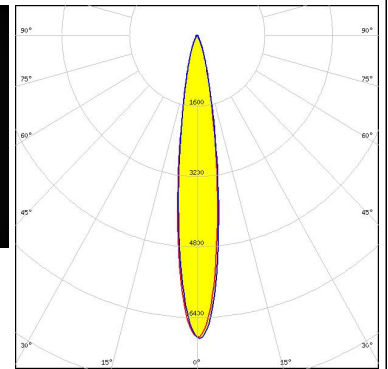


See also our general installation guide: www.ledil.com/installation_guide

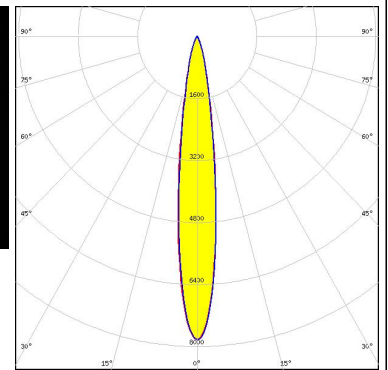
OPTICAL RESULTS (MEASURED):



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



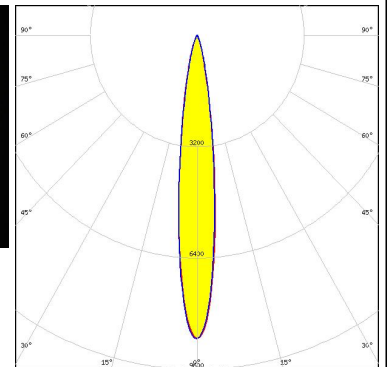
LED XP-G4
FWHM / FWTM 15.0° / 32.0°
Efficiency 95 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



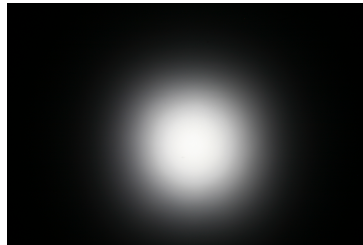
LED LUXEON Rebel
FWHM / FWTM 14.0° / 31.0°
Efficiency 89 %
Peak intensity 8.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



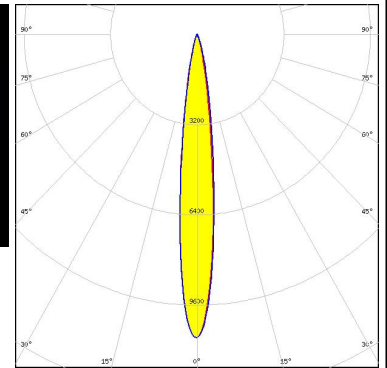
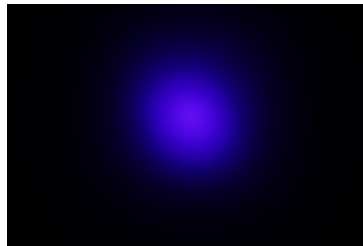
OPTICAL RESULTS (MEASURED):



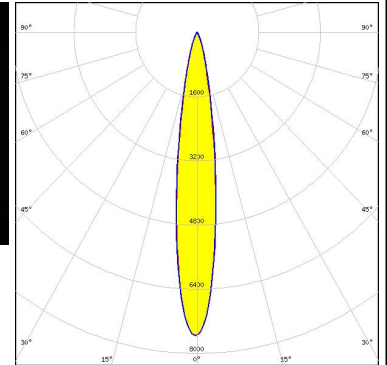
LED LUXEON Rebel ES
FWHM / FWTM 14.0° / 34.0°
Efficiency 91 %
Peak intensity 6.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



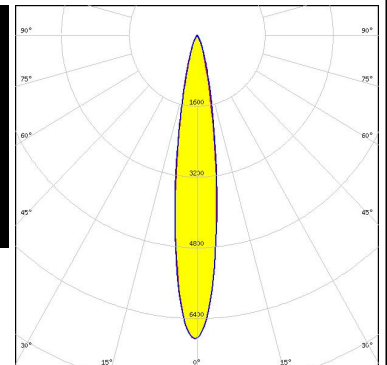
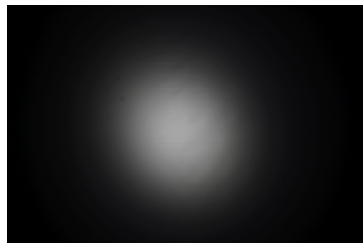
LED SST-10-B130
FWHM / FWTM 13.0° / 27.0°
Efficiency 95 %
Peak intensity 10.8 cd/lm
LEDs/each optic 1
Light colour Blue
Required components:



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



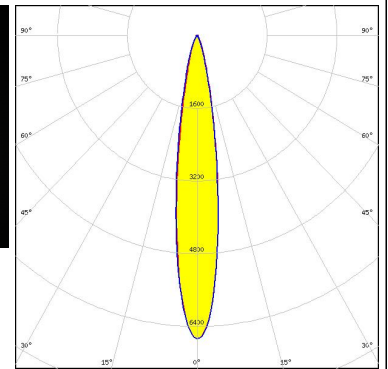
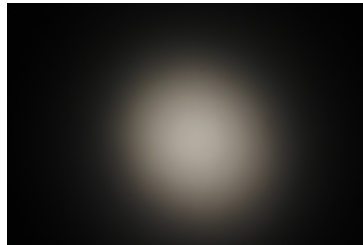
LED NVSW319B
FWHM / FWTM 16.0° / 35.0°
Efficiency 94 %
Peak intensity 6.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



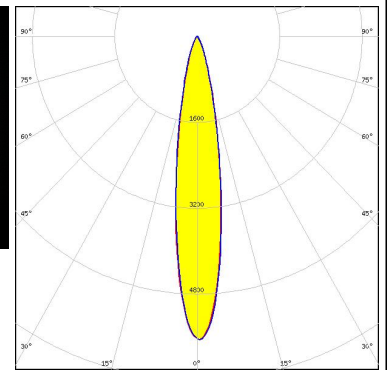
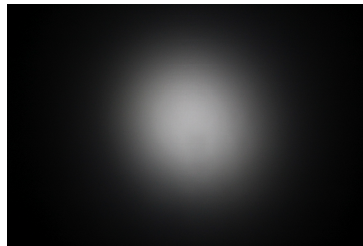
OPTICAL RESULTS (MEASURED):



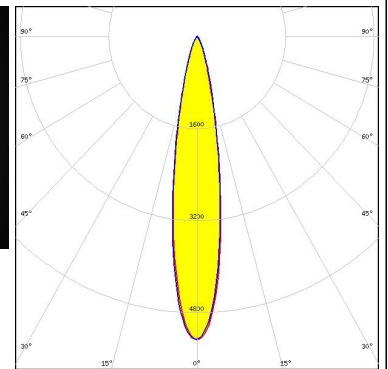
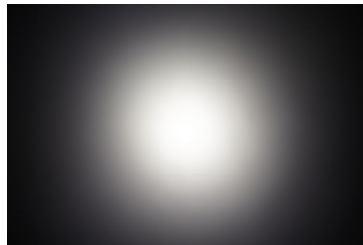
LED NVSW3x9A
FWHM / FWTM 16.0° / 34.0°
Efficiency 92 %
Peak intensity 6.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:



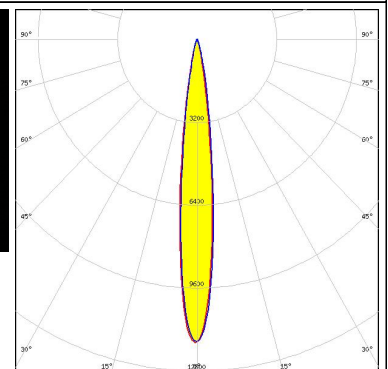
LED NVSW519A
FWHM / FWTM 18.0° / 39.0°
Efficiency 95 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour White
Required components:





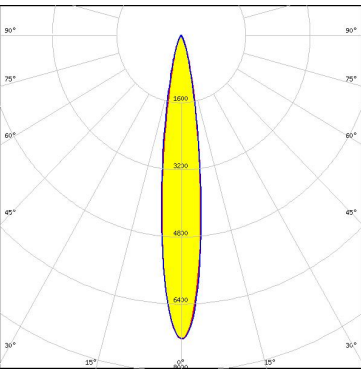


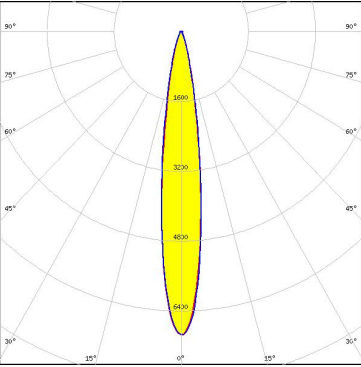
LED NWSx229A
FWHM / FWTM 18.0° / 39.0°
Efficiency 86 %
Peak intensity 5.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



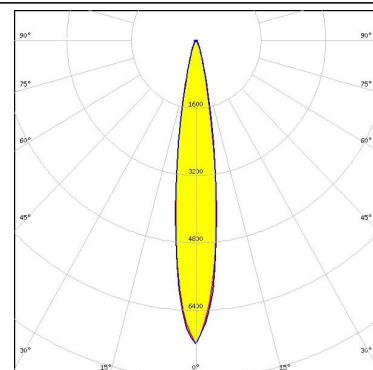
OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M3</p> <p>FWHM / FWTM 15.0° / 33.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 7.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 15.0° / 33.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 6.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

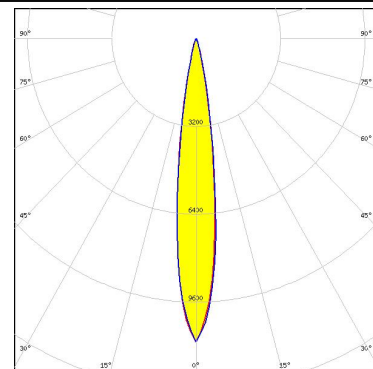
OPTICAL RESULTS (SIMULATED):



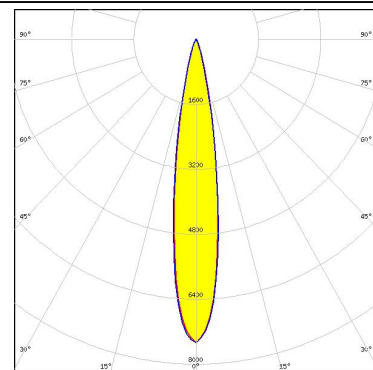
LED XHP35.2 HI
FWHM / FWTM 16.0° / 32.0°
Efficiency 95 %
Peak intensity 7.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



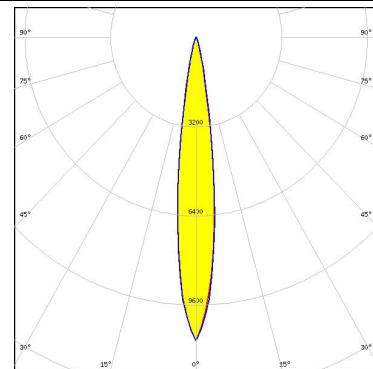
LED XP-G2
FWHM / FWTM 15.0° / 28.0°
Efficiency 96 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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



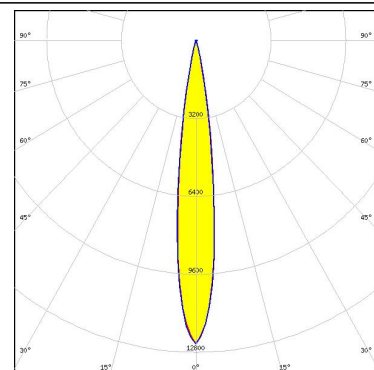
LED LUXEON HL2Z
FWHM / FWTM 14.0° / 27.0°
Efficiency 95 %
Peak intensity 10.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (SIMULATED):

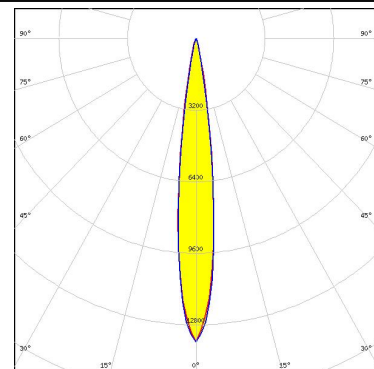
LUMILEDS

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 White
Required components:



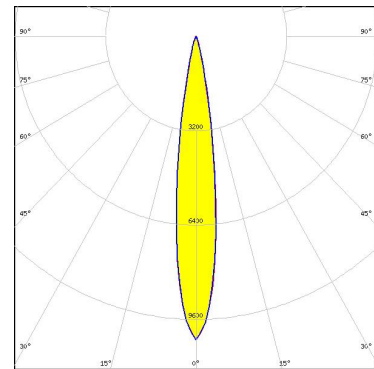
LUMILEDS

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 White
Required components:



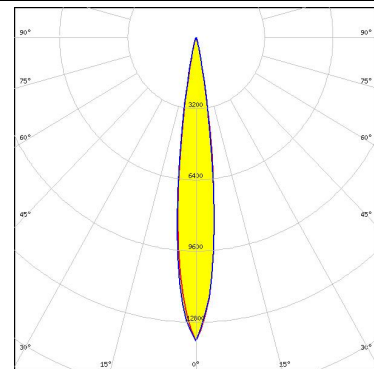
LUMILEDS

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



LUMILEDS

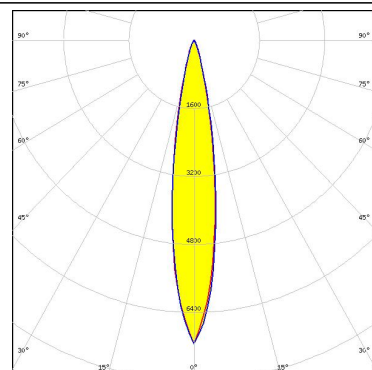
LED LUXEON Z ES
FWHM / FWTM 14.0° / 24.0°
Efficiency 95 %
Peak intensity 13.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



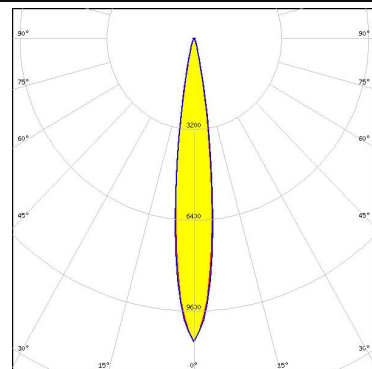
OPTICAL RESULTS (SIMULATED):



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

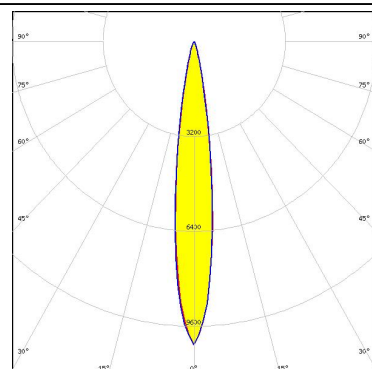


LED NVSxE21A
FWHM / FWTM 14.0° / 27.0°
Efficiency 94 %
Peak intensity 11.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



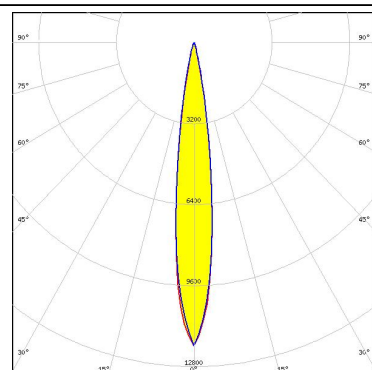
Opto Semiconductors

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 White
Required components:



Opto Semiconductors

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

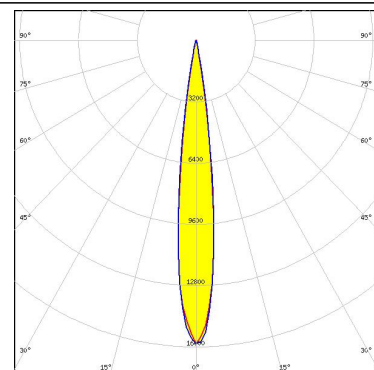


OPTICAL RESULTS (SIMULATED):

OSRAM

Opto Semiconductors

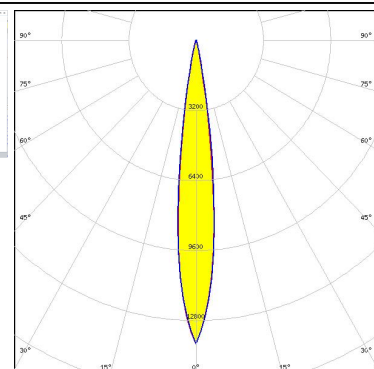
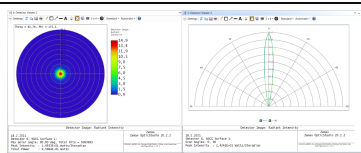
LED OSLON Black Flat (LUW HWQP)
FWHM / FWTM 13.0° / 22.0°
Efficiency 94 %
Peak intensity 15.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OSRAM

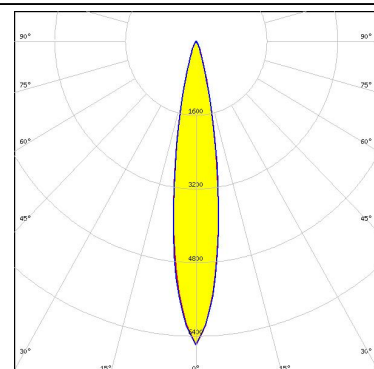
Opto Semiconductors

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



SAMSUNG

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