

## HEIDI-RS

~8° spot beam

## SPECIFICATION:

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

## MATERIALS:

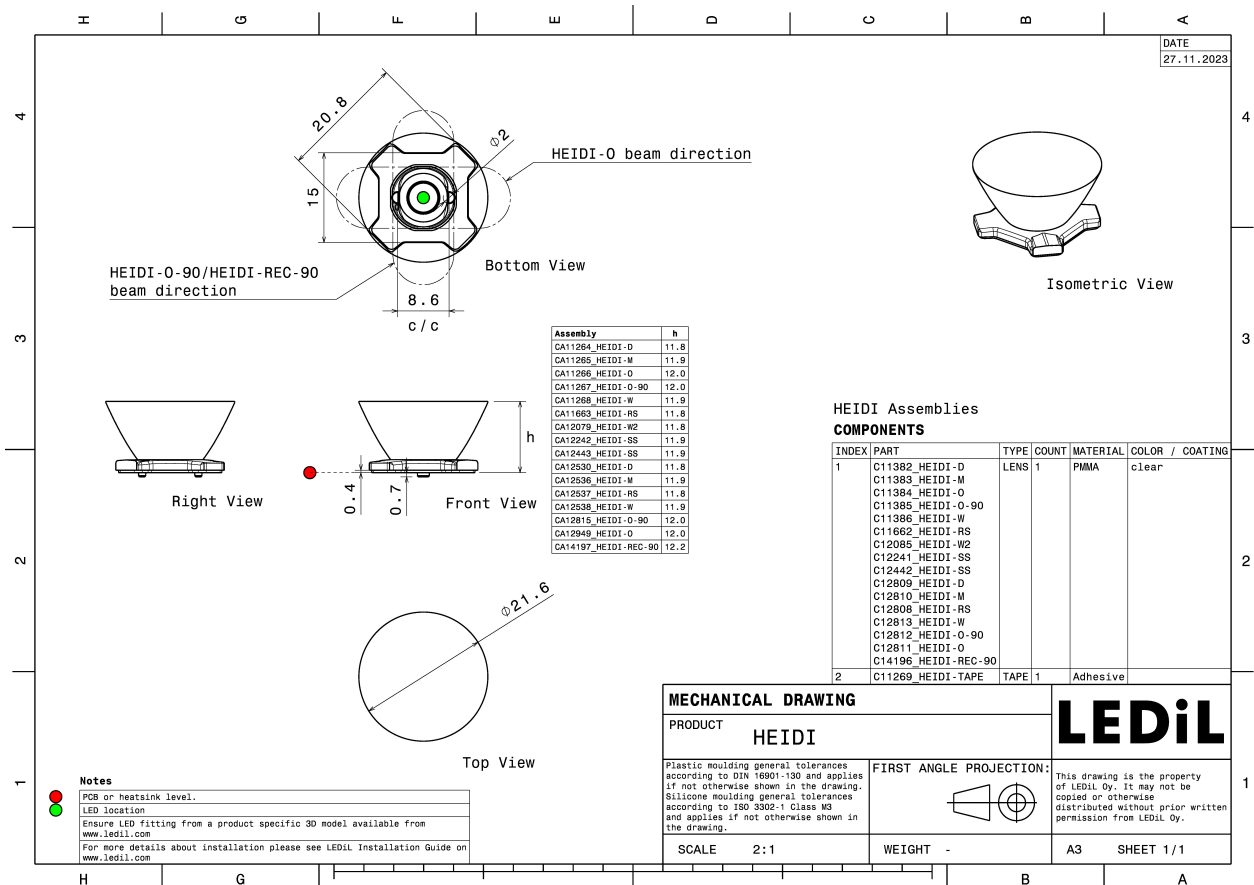
Component	Type	Material	Colour	Finish
HEIDI-RS	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	Acrylic foam	black	

## ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12537_HEIDI-RS	Single lens	3264	204	204	11.1
» Box size: 480 x 280 x 300 mm					



LEDiL

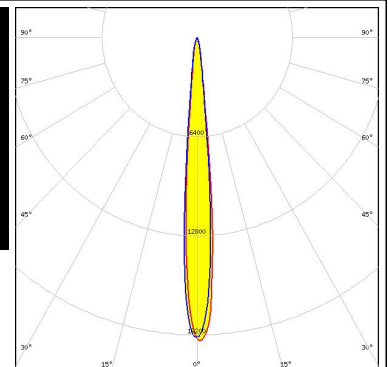


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

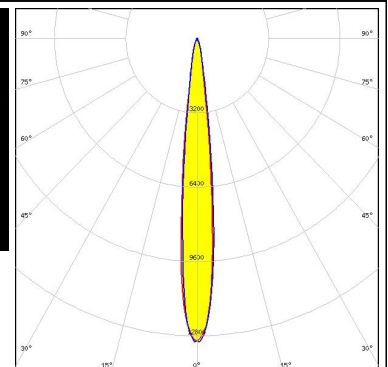
### OPTICAL RESULTS (MEASURED):



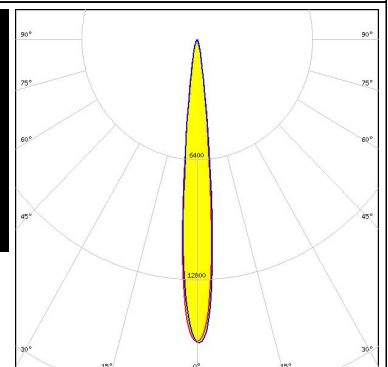
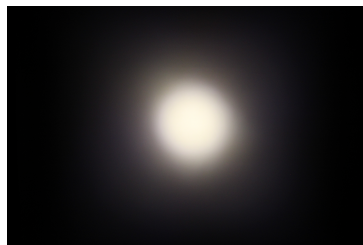
LED XP-G2  
FWHM / FWTM 10.0° / 18.0°  
Efficiency 94 %  
Peak intensity 20 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



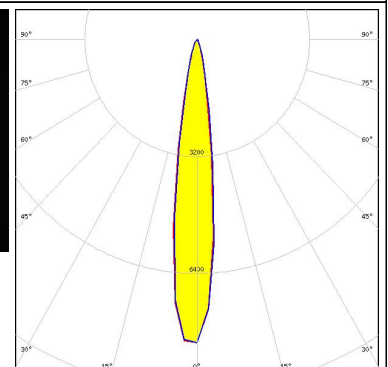
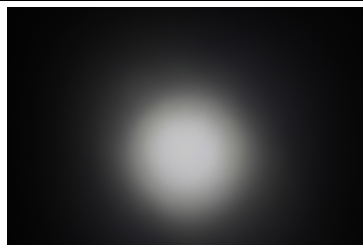
LED XP-G3  
FWHM / FWTM 12.0° / 23.0°  
Efficiency 94 %  
Peak intensity 13 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XP-G4  
FWHM / FWTM 11.0° / 21.0°  
Efficiency 96 %  
Peak intensity 16.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



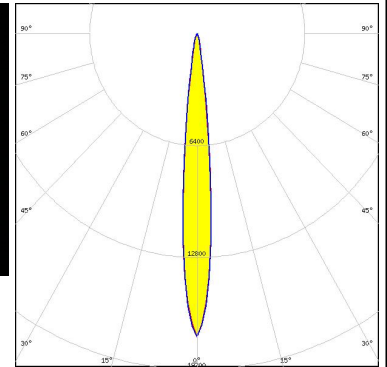
LED XP-L HD  
FWHM / FWTM 15.0° / 29.0°  
Efficiency 89 %  
Peak intensity 8.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (MEASURED):

#### LUMILEDS

LED LUXEON A  
FWHM / FWTM 11.0° / 20.0°  
Efficiency 87 %  
Peak intensity 15.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



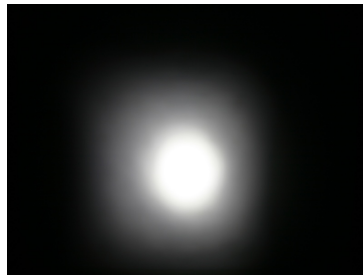
#### LUMILEDS

LED LUXEON Rebel  
FWHM / FWTM 8.0° / 17.0°  
Efficiency 88 %  
Peak intensity 26 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



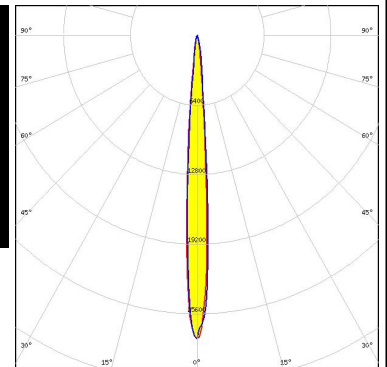
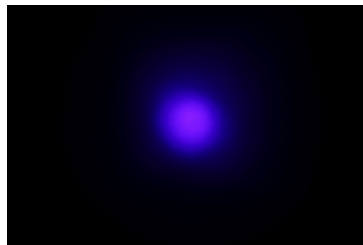
#### LUMILEDS

LED LUXEON Rebel ES  
FWHM / FWTM 11.0° / 20.0°  
Efficiency 86 %  
Peak intensity 15.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMINUS

LED SST-10-B130  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 96 %  
Peak intensity 27.9 cd/lm  
LEDs/each optic 1  
Light colour Blue  
Required components:

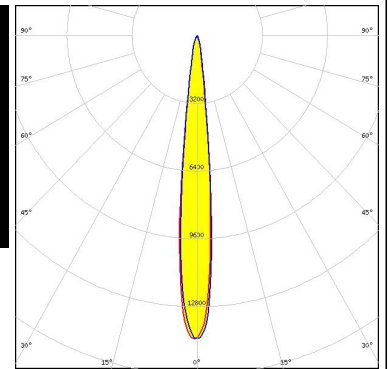




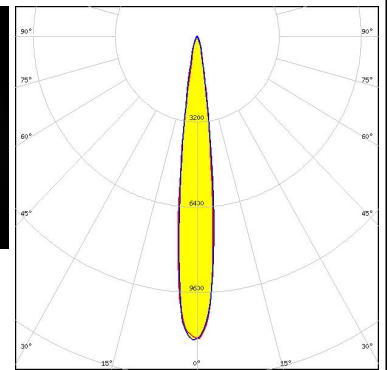
### OPTICAL RESULTS (MEASURED):



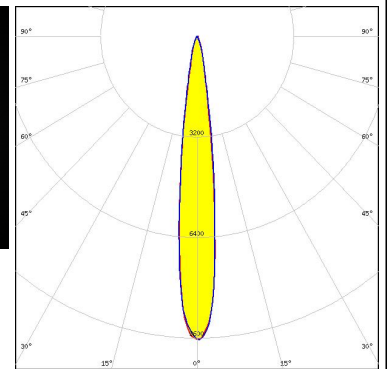
LED NVSW219D  
FWHM / FWTM 11.0° / 21.0°  
Efficiency 94 %  
Peak intensity 14.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



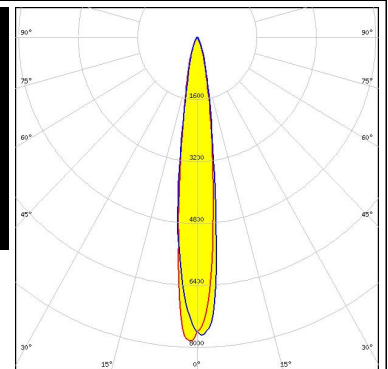
LED NVSW319B  
FWHM / FWTM 13.0° / 25.0°  
Efficiency 94 %  
Peak intensity 11.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSW3x9A  
FWHM / FWTM 13.0° / 27.0°  
Efficiency 92 %  
Peak intensity 9.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



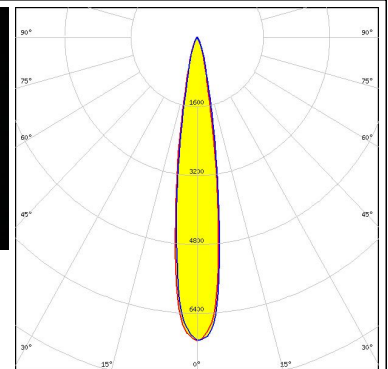
LED NVSW519A  
FWHM / FWTM 14.0° / 33.0°  
Efficiency 93 %  
Peak intensity 8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



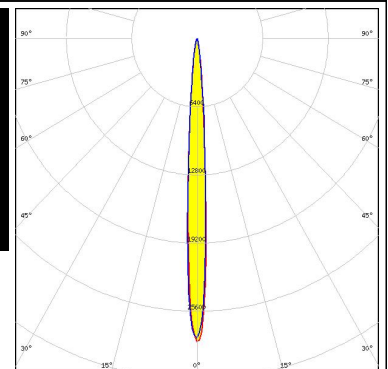
### OPTICAL RESULTS (MEASURED):



LED NWSx229A  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 87 %  
Peak intensity 7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



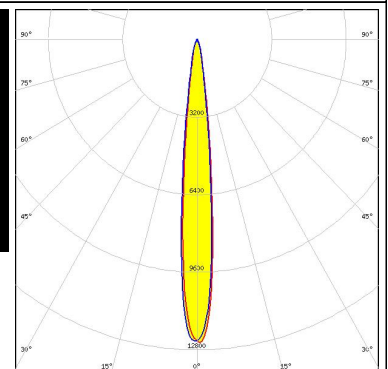
LED OSLON SSL 150  
FWHM / FWTM 7.0° / 16.0°  
Efficiency 89 %  
Peak intensity 28.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED PLPVEC2 850A  
FWHM / FWTM 6.0° / 16.0°  
Efficiency %  
LEDs/each optic 1  
Light colour IR  
Required components:



LED Z5M3  
FWHM / FWTM 11.0° / 23.0°  
Efficiency 94 %  
Peak intensity 12.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



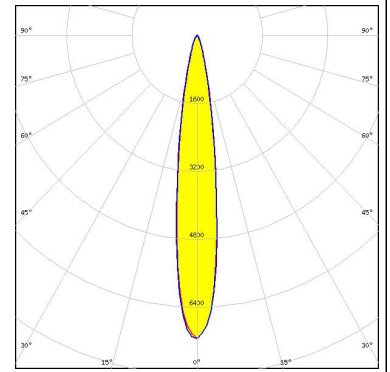
## OPTICAL RESULTS (MEASURED):



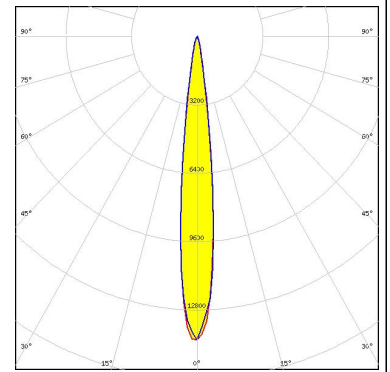
### OPTICAL RESULTS (SIMULATED):



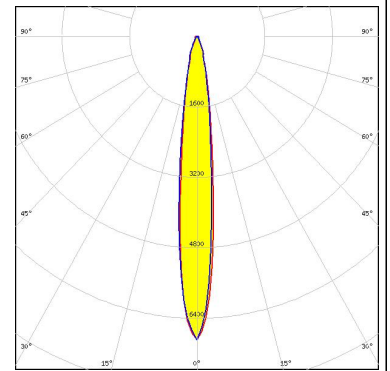
LED XHP35 HD  
FWHM / FWTM 16.0° / 32.0°  
Efficiency 94 %  
Peak intensity 7.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



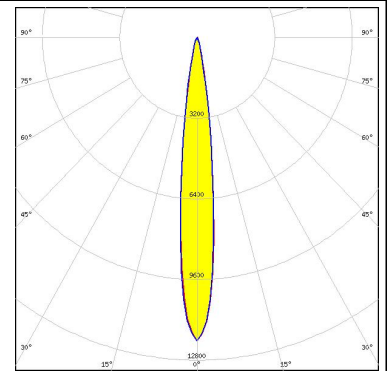
LED XHP35 HI  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 96 %  
Peak intensity 14.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED XHP35.2 HI  
FWHM / FWTM 13.0° / 32.0°  
Efficiency 88 %  
Peak intensity 6.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



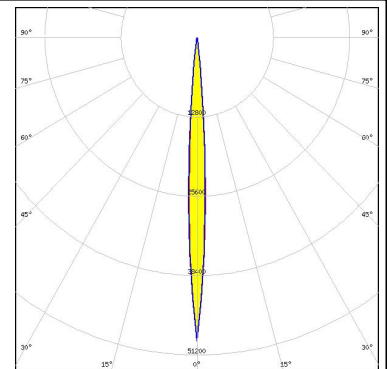
LED XP-G2 HE  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 95 %  
Peak intensity 12 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### OPTICAL RESULTS (SIMULATED):

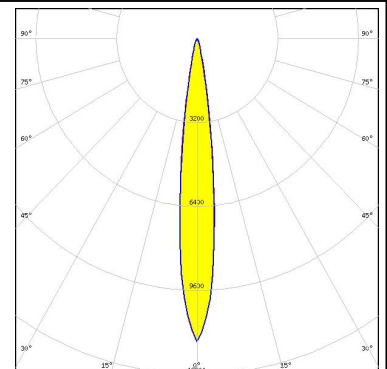
#### LUMILEDS

LED LUXEON CZ  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 96 %  
Peak intensity 48.9 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



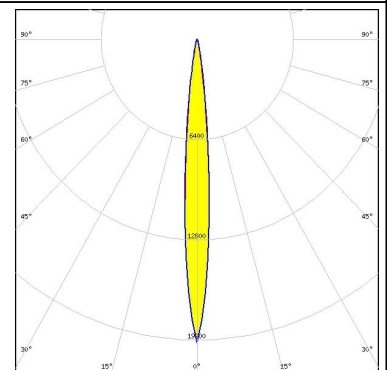
#### LUMILEDS

LED LUXEON HL2X  
FWHM / FWTM 14.0° / 26.0°  
Efficiency 95 %  
Peak intensity 11.6 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON HL2Z  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 95 %  
Peak intensity 19.4 cd/Im  
LEDs/each optic 1  
Light colour White  
Required components:



#### LUMILEDS

LED LUXEON IR Domed 150 (L110-0xxx150000000)  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 94 %  
LEDs/each optic 1  
Light colour White  
Required components:

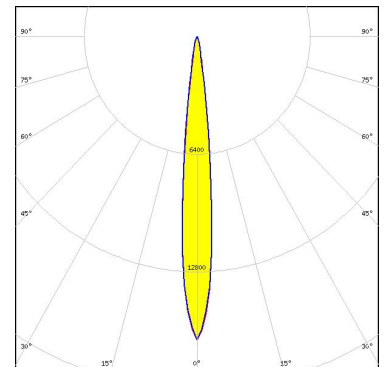
### OPTICAL RESULTS (SIMULATED):



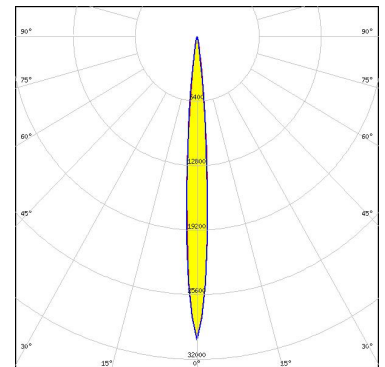
LED LUXEON IR Domed 90 (L110-0xxx090000000)  
 FWHM / FWTM 11.0° / 23.0°  
 Efficiency 94 %  
 LEDs/each optic 1  
 Light colour White  
 Required components:



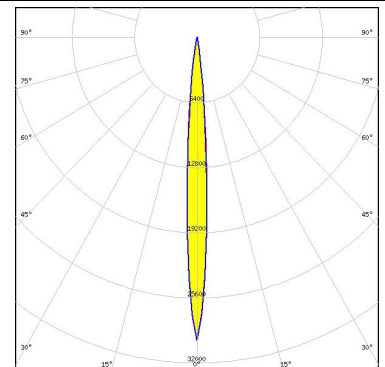
LED LUXEON R  
 FWHM / FWTM 11.0° / 20.0°  
 Efficiency 92 %  
 Peak intensity 16.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON SunPlus 20 Line (120 deg)  
 FWHM / FWTM 8.0° / 16.0°  
 Efficiency 96 %  
 Peak intensity 30.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



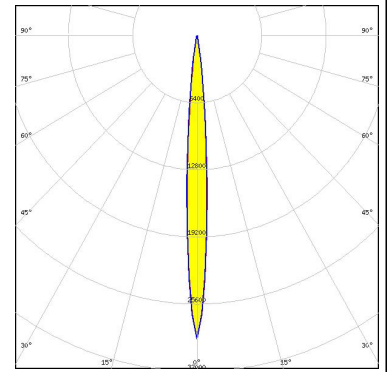
LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM / FWTM 7.8° / 17.0°  
 Efficiency 93 %  
 Peak intensity 29.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### OPTICAL RESULTS (SIMULATED):

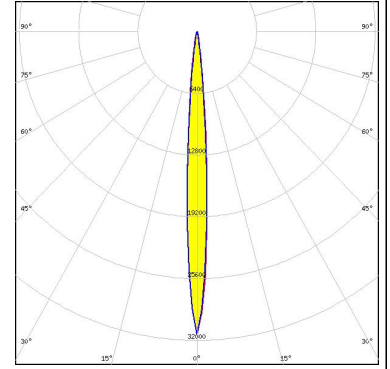
#### LUMILEDS

LED LUXEON SunPlus 20 Line (150 deg)  
FWHM / FWTM 8.0° / 16.0°  
Efficiency 92 %  
Peak intensity 28.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



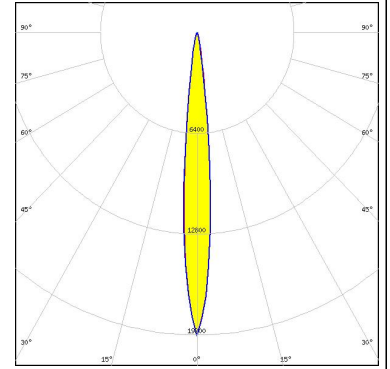
#### LUMILEDS

LED LUXEON SunPlus 35 Line  
FWHM / FWTM 7.8° / 17.0°  
Efficiency 94 %  
Peak intensity 31.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



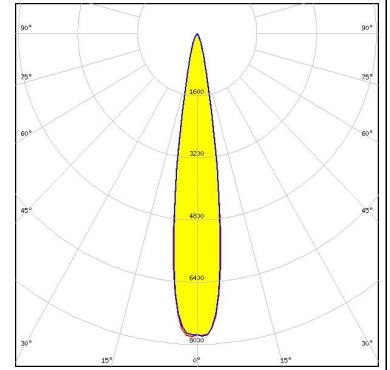
#### LUMILEDS

LED LUXEON TX  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 96 %  
Peak intensity 19.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### NICHIA

LED NV4WB35AM  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 96 %  
Peak intensity 8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

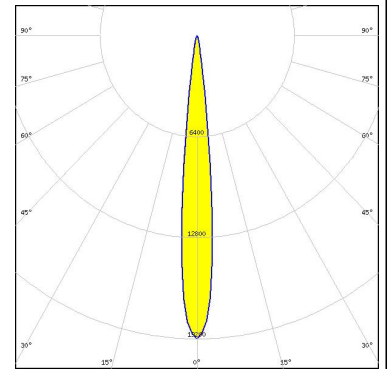




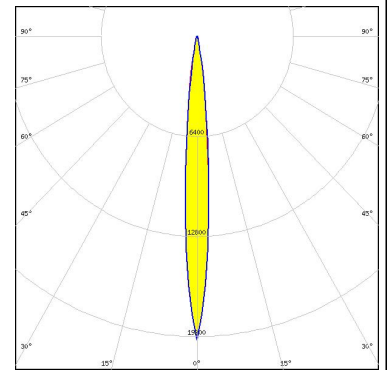
### OPTICAL RESULTS (SIMULATED):



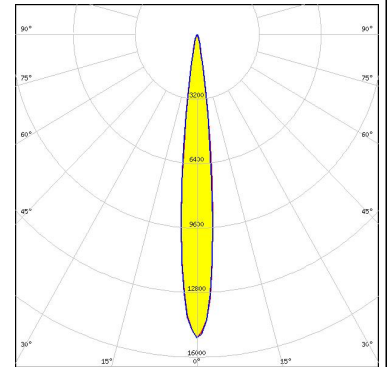
LED NVSW719AC  
FWHM / FWTM 12.0° / 20.0°  
Efficiency 97 %  
Peak intensity 19.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



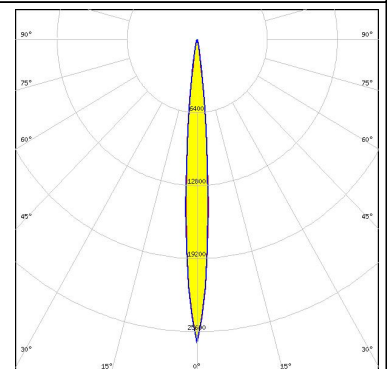
LED NVSxE21A  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 94 %  
Peak intensity 19.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED NVSxx19B/NVSxx19C  
FWHM / FWTM 12.0° / 22.0°  
Efficiency 95 %  
Peak intensity 15 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSCONIQ C 2424  
FWHM / FWTM 8.0° / 18.0°  
Efficiency 96 %  
Peak intensity 26.6 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

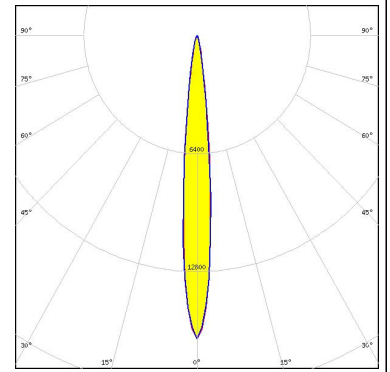


### OPTICAL RESULTS (SIMULATED):

#### OSRAM

Opto Semiconductors

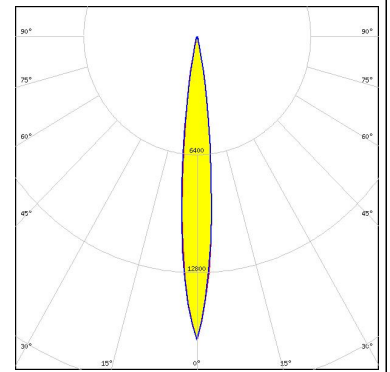
LED OSCONIQ P 3737 Flat  
FWHM / FWTM 10.0° / 22.0°  
Efficiency 96 %  
Peak intensity 16.5 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

Opto Semiconductors

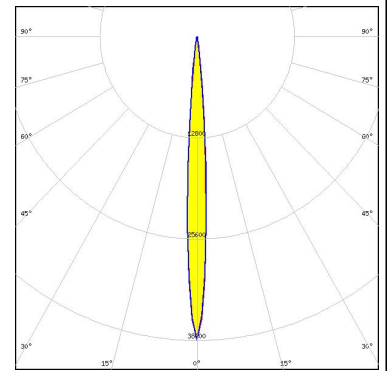
LED OSLON Black  
FWHM / FWTM 11.0° / 22.0°  
Efficiency 93 %  
Peak intensity 16.8 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### OSRAM

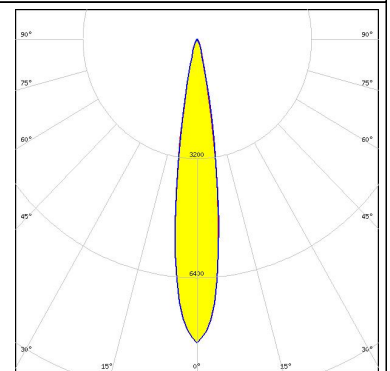
Opto Semiconductors

LED OSLON Black Flat (LUW HWQP)  
FWHM / FWTM 7.3° / 15.0°  
Efficiency 94 %  
Peak intensity 38.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### SAMSUNG

LED LH351D  
FWHM / FWTM 16.0° / 29.0°  
Efficiency 94 %  
Peak intensity 8.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



## OPTICAL RESULTS (SIMULATED):



### 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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#### LEDiL Oy

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P.R.CHINA

#### Local sales and technical support

[www.ledil.com/  
where\\_to\\_buy](http://www.ledil.com/where_to_buy)

#### Shipping locations

Salo, Finland  
Hong Kong, China

#### Distribution Partners

[www.ledil.com/  
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