

## HEIDI-M

~25° medium beam

### TECHNICAL SPECIFICATIONS:

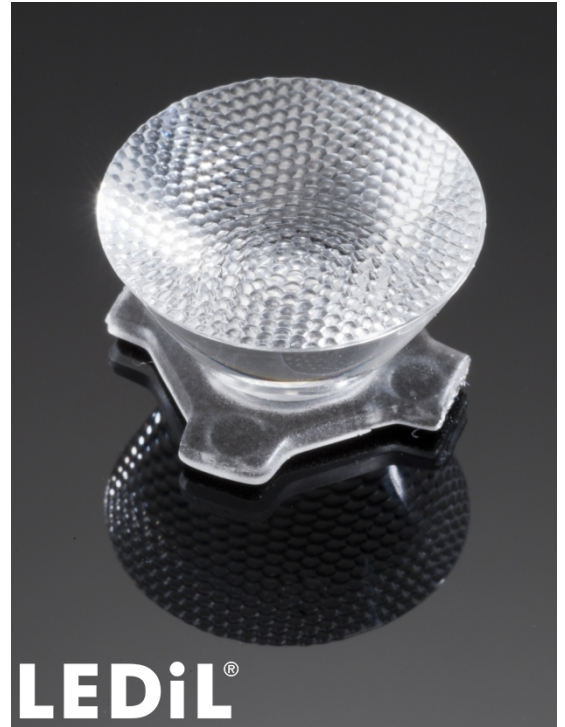
Dimensions	Ø 21.6 mm
Height	11.9 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

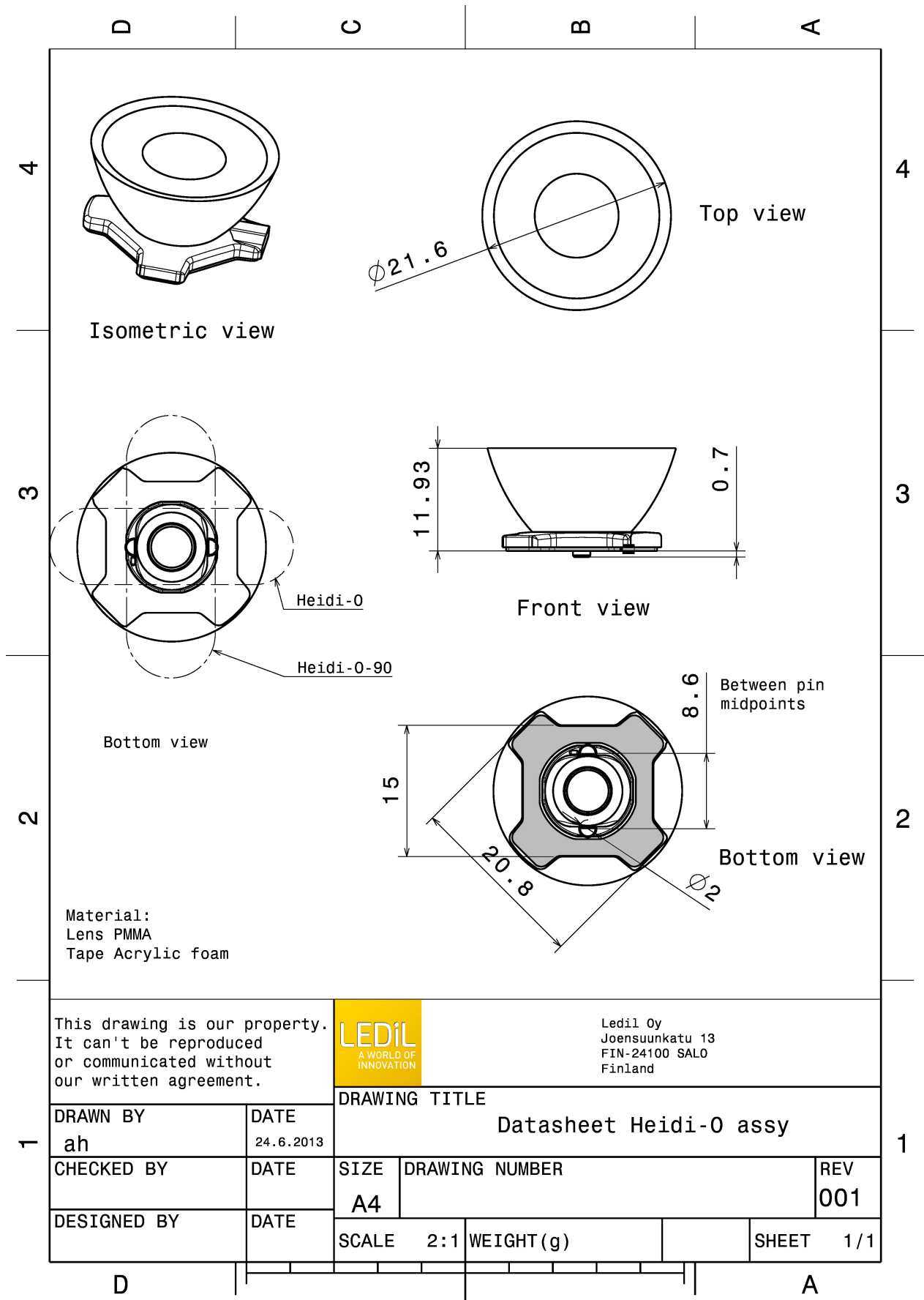
### MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
HEIDI-M	Single lens	PMMA	clear	
HEIDI-TAPE	Tape	PU tape	black	

### ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11265_HEIDI-M	Single lens	3264	204	204	10.8
» Box size: 480 x 280 x 300 mm					





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Finland

DRAWN BY ah		DATE 24.6.2013	DRAWING TITLE Datasheet Heidi-0 assy		
CHECKED BY	DATE	SIZE A4	DRAWING NUMBER		REV 001
DESIGNED BY	DATE	SCALE 2:1	WEIGHT (g)	SHEET 1/1	

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

### PHOTOMETRIC DATA (MEASURED):

#### CREE → LED

LED XB-D White  
FWHM / FWTM 29.0°  
Efficiency 87 %  
Peak intensity 2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### CREE → LED

LED XB-H  
FWHM / FWTM 27.0° / 48.0°  
Efficiency 87 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



#### CREE → LED

LED XP-E  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 92 %  
Peak intensity 2.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

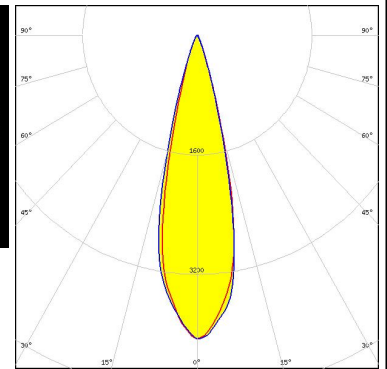
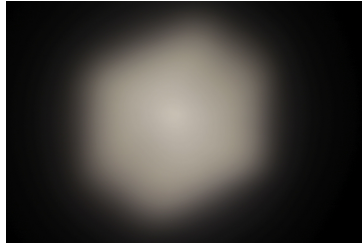
#### CREE → LED

LED XP-G  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 92 %  
Peak intensity 3.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

### PHOTOMETRIC DATA (MEASURED):

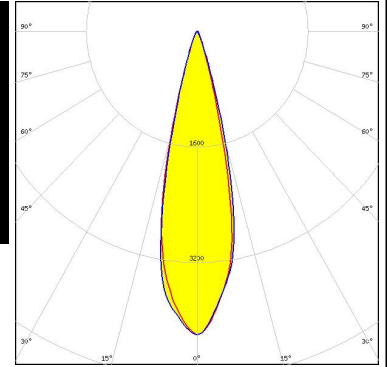
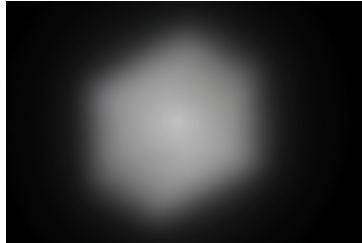
#### CREE LED

LED XQ-E HD  
 FWHM / FWTM 26.0° / 41.0°  
 Efficiency 94 %  
 Peak intensity 4.1 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



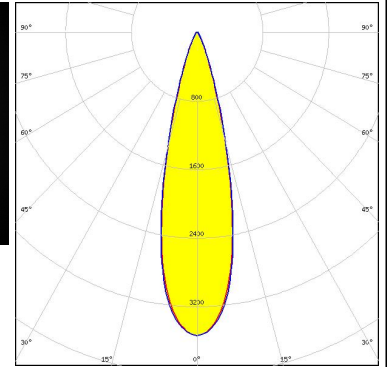
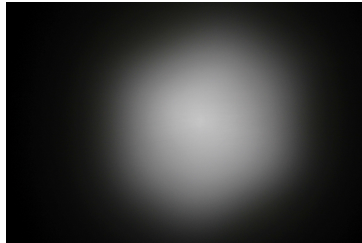
#### CREE LED

LED XQ-E HI  
 FWHM / FWTM 25.0° / 40.0°  
 Efficiency 94 %  
 Peak intensity 4.2 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



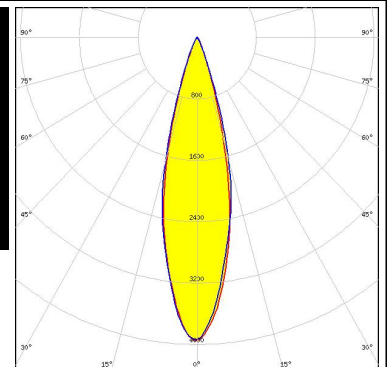
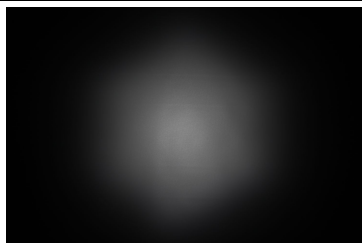
#### CREE LED

LED XT-E  
 FWHM / FWTM 27.0° / 46.0°  
 Efficiency 94 %  
 Peak intensity 3.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### LUMILEDS

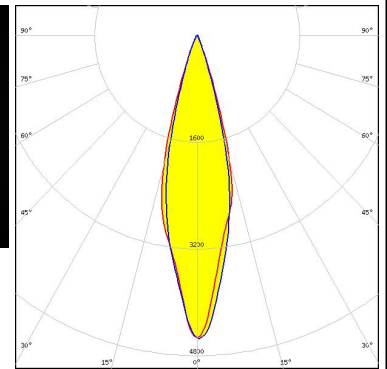
LED LUXEON C  
 FWHM / FWTM 26.0° / 44.0°  
 Efficiency 87 %  
 Peak intensity 4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):

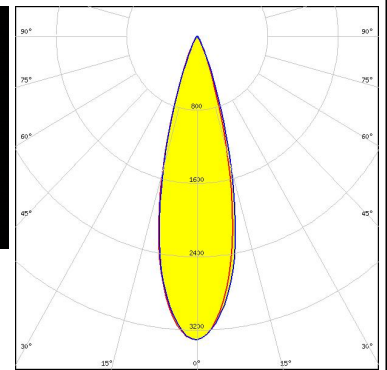
#### LUMILEDS

LED LUXEON CZ  
 FWHM / FWTM 26.0° / 42.0°  
 Efficiency 94 %  
 Peak intensity 4.5 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



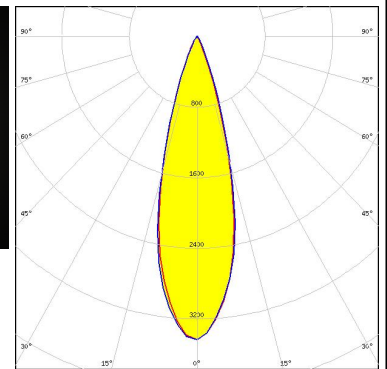
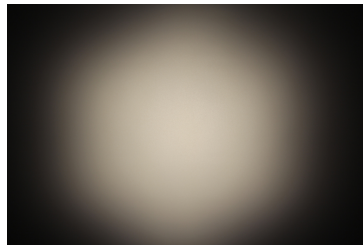
#### LUMILEDS

LED LUXEON T  
 FWHM / FWTM 28.0° / 47.0°  
 Efficiency 87 %  
 Peak intensity 3.3 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



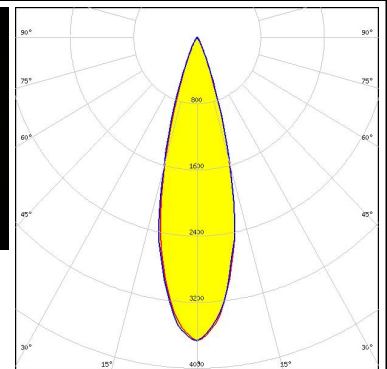
#### LUMILEDS

LED LUXEON TX  
 FWHM / FWTM 29.0° / 48.0°  
 Efficiency 88 %  
 Peak intensity 3.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### NICHIA

LED NCSxx19B  
 FWHM / FWTM 29.0° / 47.0°  
 Efficiency 88 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



### PHOTOMETRIC DATA (MEASURED):



LED NVSxx19A  
FWHM / FWTM 28.0° / 49.0°  
Efficiency 87 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



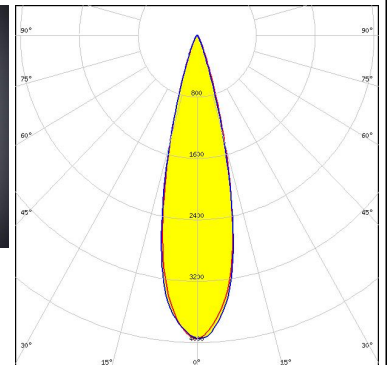
LED OSLOM SSL 150  
FWHM / FWTM 26.0° / 44.0°  
Efficiency 90 %  
Peak intensity 3.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSLOM SSL 80  
FWHM / FWTM 28.0° / 46.0°  
Efficiency 87 %  
Peak intensity 3.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



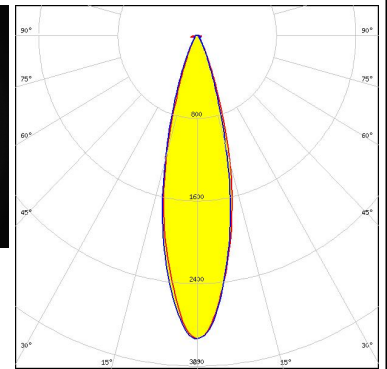
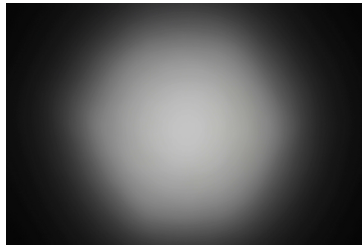
LED Fortimo FastFlex 2x8 DS G3  
FWHM / FWTM 25.0° / 42.0°  
Efficiency 90 %  
Peak intensity 4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



### PHOTOMETRIC DATA (MEASURED):

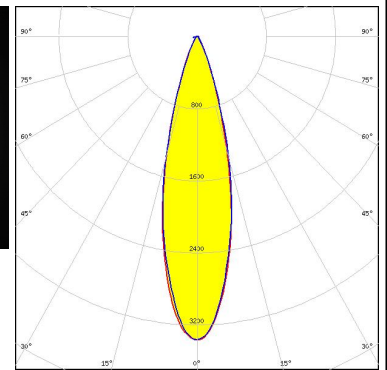
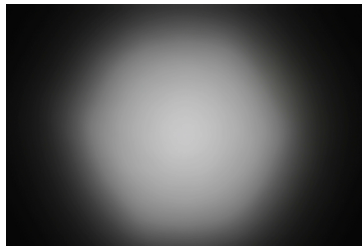
#### SAMSUNG

LED LH181A  
 FWHM / FWTM 27.0° / 49.0°  
 Efficiency 88 %  
 Peak intensity 2.9 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### SAMSUNG

LED LH181B  
 FWHM / FWTM 27.0° / 49.0°  
 Efficiency 93 %  
 Peak intensity 3.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



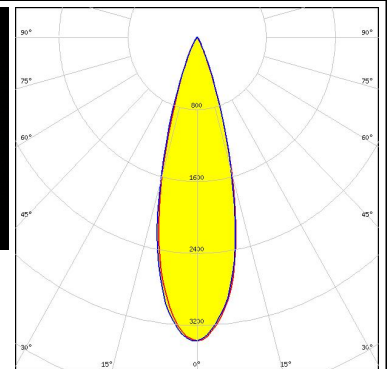
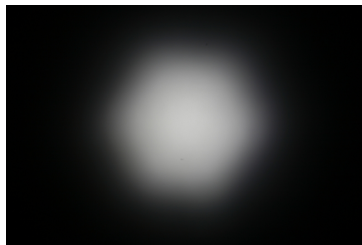
SEOUL SEMICONDUCTOR

LED Z5  
 FWHM / FWTM 28.0° / 42.0°  
 Efficiency 87 %  
 Peak intensity 3.7 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



SEOUL SEMICONDUCTOR

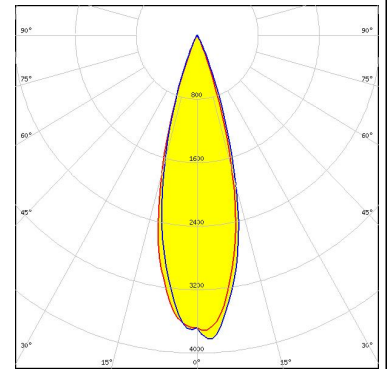
LED Z5M1/Z5M2  
 FWHM / FWTM 29.0° / 48.0°  
 Efficiency 89 %  
 Peak intensity 3.4 cd/m  
 LEDs/each optic 1  
 Light colour White  
 Required components:



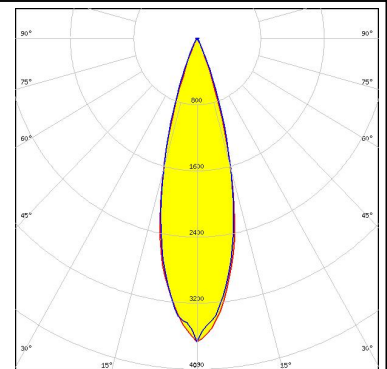
### PHOTOMETRIC DATA (SIMULATED):



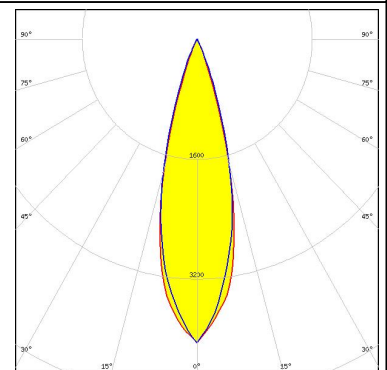
LED XP-E2  
 FWHM / FWTM 29.0° / 46.0°  
 Efficiency 96 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour Green  
 Required components:



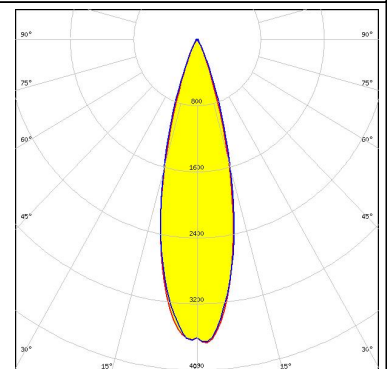
LED LUXEON SunPlus 20 Line (150 deg)  
 FWHM / FWTM 28.0° / 45.0°  
 Efficiency 91 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED LUXEON Z ES  
 FWHM / FWTM 28.0° / 45.0°  
 Efficiency 94 %  
 Peak intensity 4.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



LED NVSxE21A  
 FWHM / FWTM 28.0° / 47.0°  
 Efficiency 94 %  
 Peak intensity 3.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



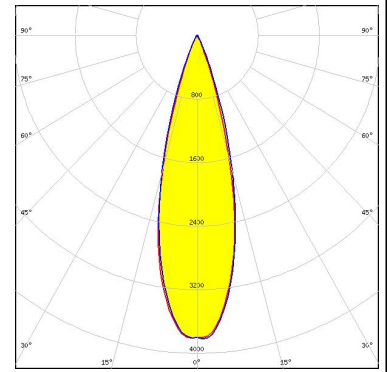


### PHOTOMETRIC DATA (SIMULATED):

#### OSRAM

Opto Semiconductors

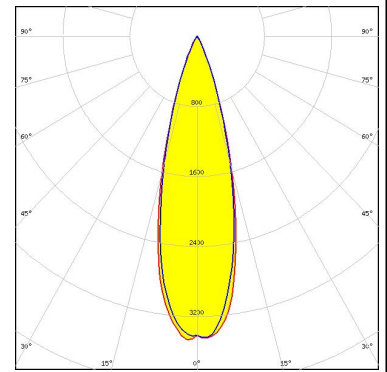
LED OSCONIQ P 3030  
 FWHM / FWTM 28.0° / 46.0°  
 Efficiency 96 %  
 Peak intensity 3.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 28.0° / 48.0°  
 Efficiency 94 %  
 Peak intensity 3.5 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OSRAM

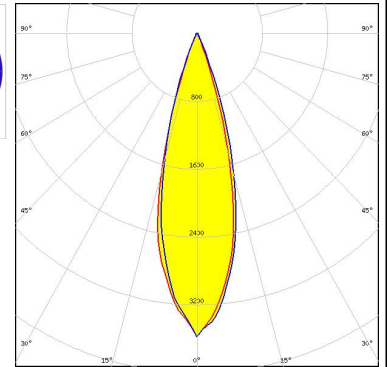
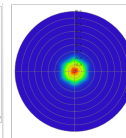
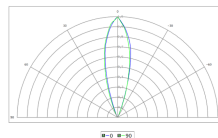
Opto Semiconductors

LED OSLON Square EC  
 FWHM / FWTM 29.0°  
 Efficiency %  
 Peak intensity 3.2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:

#### OSRAM

Opto Semiconductors

LED SFH 4170S  
 FWHM / FWTM 28.0° / 44.0°  
 Efficiency 88 %  
 LEDs/each optic 1  
 Light colour IR  
 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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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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#### 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

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