



**THE DATASHEET OF  
CA16672\_OLGA-RS**



## OLGA-RS

~9° spot beam beam. Optimized for high-power 3535 size LED packages. Assembly with holder and installation tape.

### SPECIFICATION:

Dimensions	Ø 32.0 mm
Height	19.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

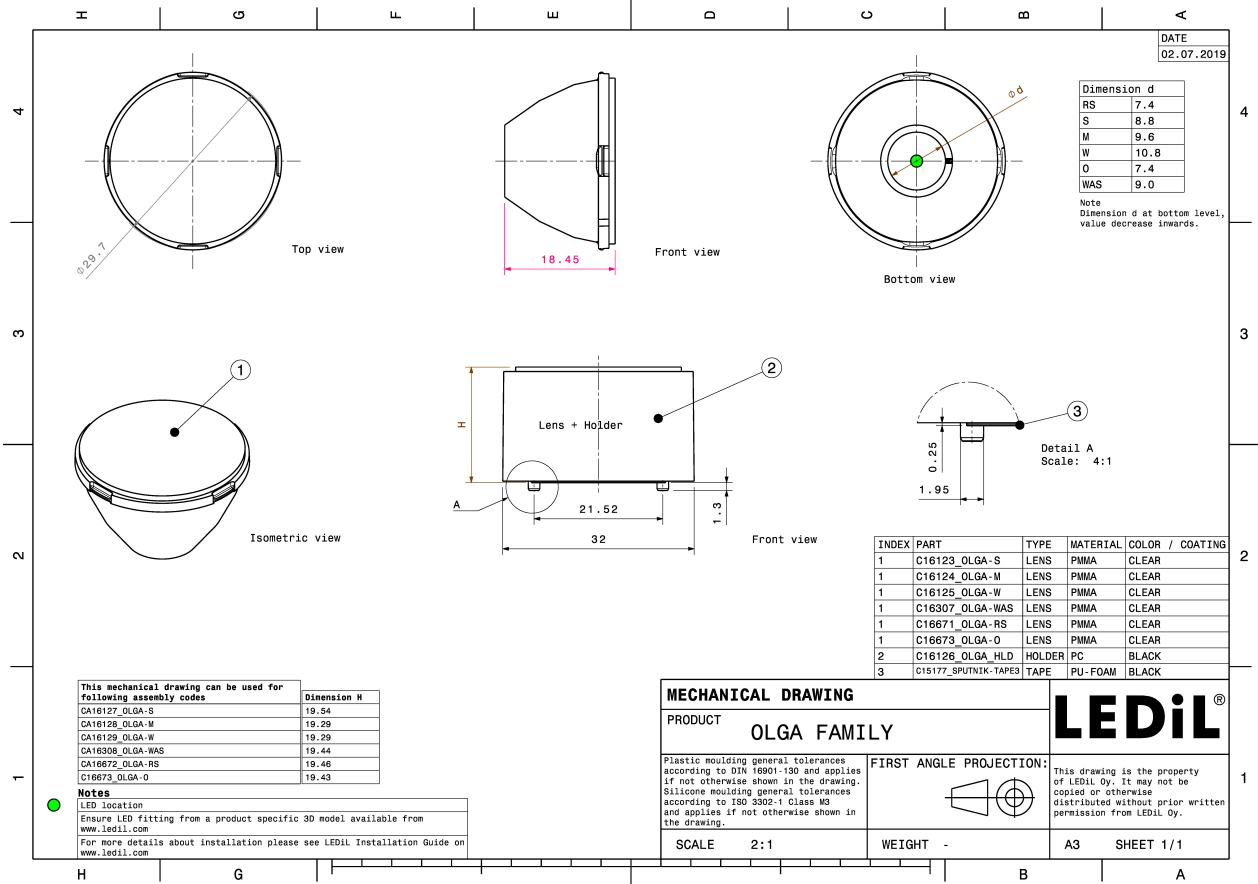


### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
OLGA-RS	Single lens	PMMA	clear		
OLGA-HLD	Holder	PC	black		
SPUTNIK-TAPE3	Tape	Acrylic foam	black		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA16672_OLGA-RS » Box size: 476 x 273 x 292 mm	792	132	66	9.8

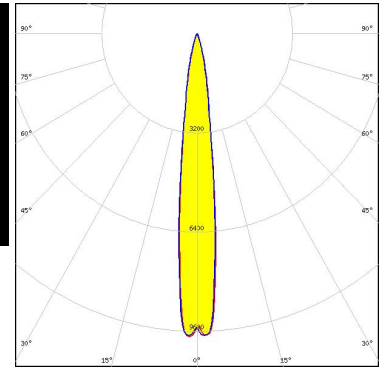


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



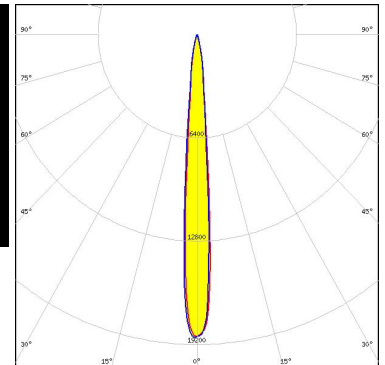
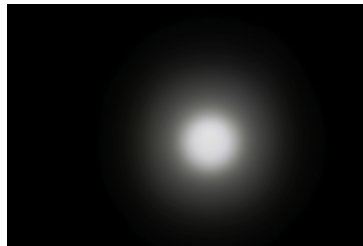
**LED** XHP35 HD  
**FWHM / FWTM** 13.0° / 29.0°  
**Efficiency** 84 %  
**Peak intensity** 9.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



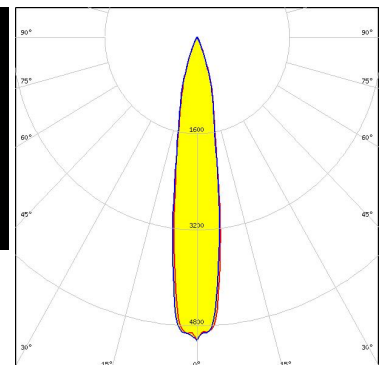
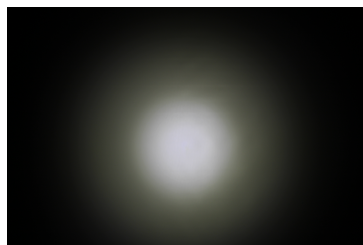
**LED** XHP35 HI  
**FWHM / FWTM** 9.0° / 22.0°  
**Efficiency** 87 %  
**Peak intensity** 18.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XHP50.2  
**FWHM / FWTM** 17.0° / 41.0°  
**Efficiency** 78 %  
**Peak intensity** 5.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

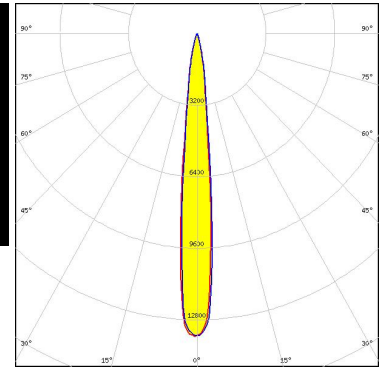
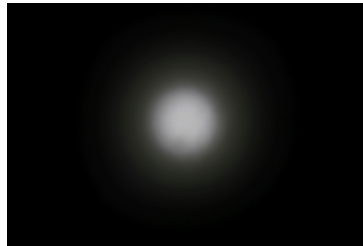


Light distribution files

#### OPTICAL RESULTS (MEASURED):



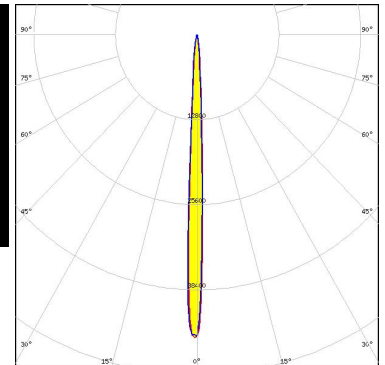
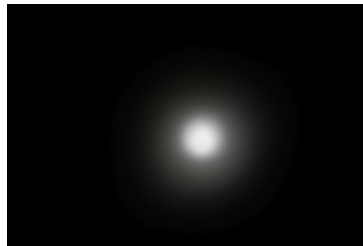
LED XM-L3  
 FWHM / FWTM 11.0° / 25.0°  
 Efficiency 86 %  
 Peak intensity 13.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



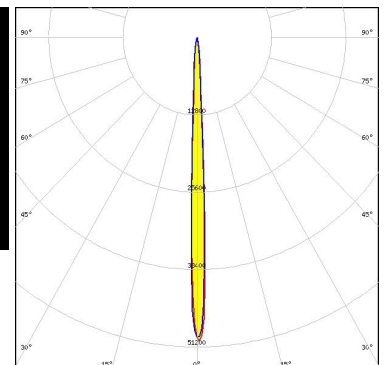
LED XP-E  
 FWHM / FWTM 5.0° / 12.0°  
 Efficiency 87 %  
 Peak intensity 45.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XP-E2  
 FWHM / FWTM 4.9° / 11.6°  
 Efficiency 86 %  
 Peak intensity 50.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

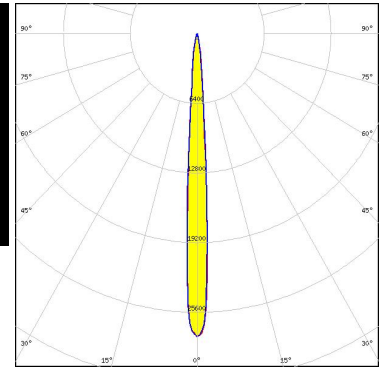
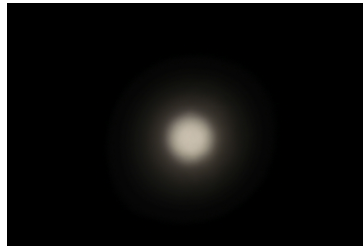


Light distribution files

#### OPTICAL RESULTS (MEASURED):



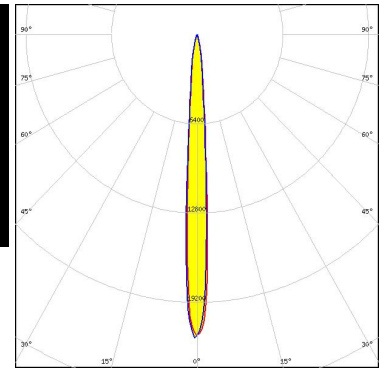
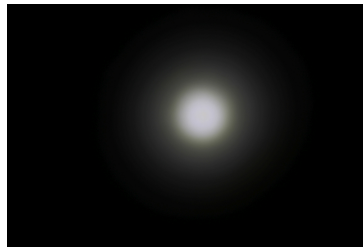
**LED** XP-G2  
**FWHM / FWTM** 7.0° / 17.0°  
**Efficiency** 86 %  
**Peak intensity** 28 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



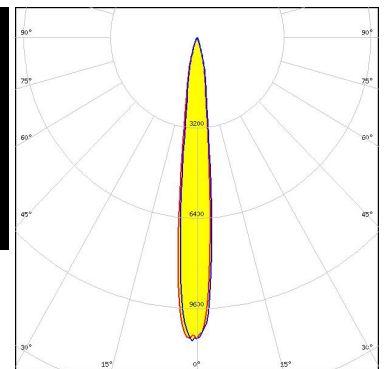
**LED** XP-G3  
**FWHM / FWTM** 8.0° / 20.0°  
**Efficiency** 85 %  
**Peak intensity** 21.8 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XP-L2  
**FWHM / FWTM** 12.0° / 29.0°  
**Efficiency** 83 %  
**Peak intensity** 10.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

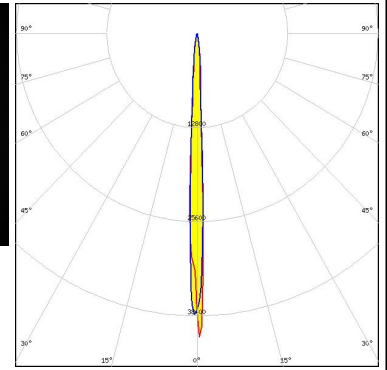


Light distribution files

#### OPTICAL RESULTS (MEASURED):



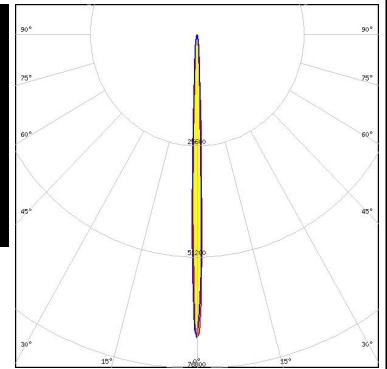
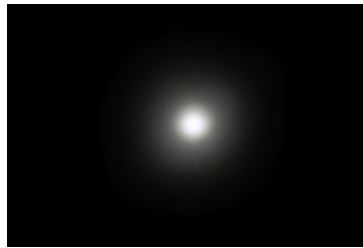
LED XQ-E HD  
 FWHM / FWTM 5.0° / 13.0°  
 Efficiency 79 %  
 Peak intensity 42 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



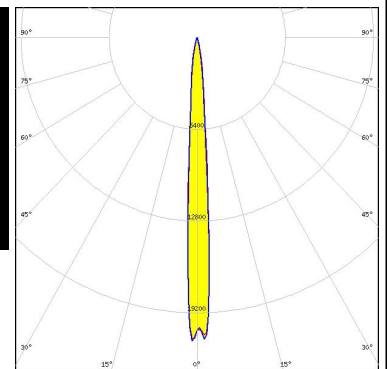
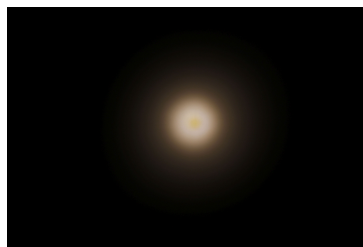
LED XQ-E HI  
 FWHM / FWTM 3.0° / 9.0°  
 Efficiency 84 %  
 Peak intensity 70 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED XT-E  
 FWHM / FWTM 8.0° / 19.0°  
 Efficiency 83 %  
 Peak intensity 21.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

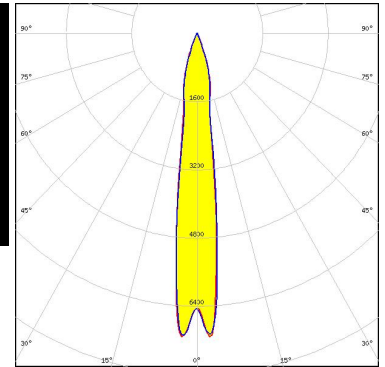
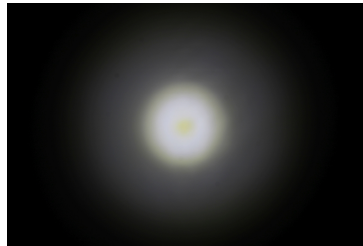


Light distribution files

#### OPTICAL RESULTS (MEASURED):



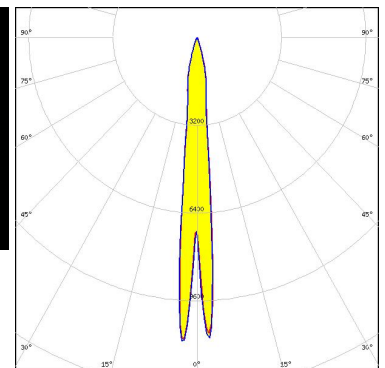
LED LUXEON 5050 Round LES  
 FWHM / FWTM 14.0° / 38.0°  
 Efficiency 86 %  
 Peak intensity 7.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



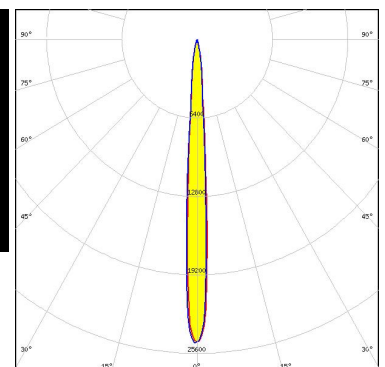
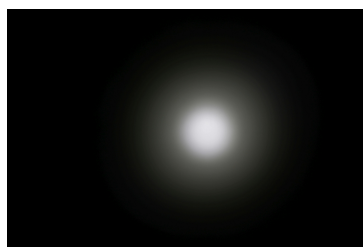
LED LUXEON MZ  
 FWHM / FWTM 11.0° / 30.0°  
 Efficiency 85 %  
 Peak intensity 11.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON TX  
 FWHM / FWTM 7.0° / 18.0°  
 Efficiency 86 %  
 Peak intensity 24.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

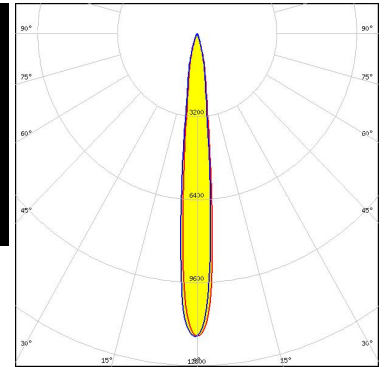
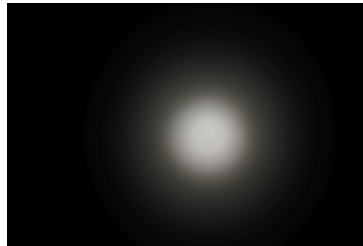


Light distribution files

#### OPTICAL RESULTS (MEASURED):



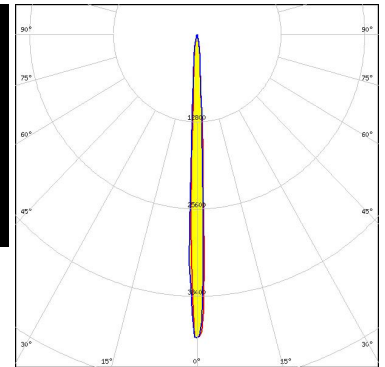
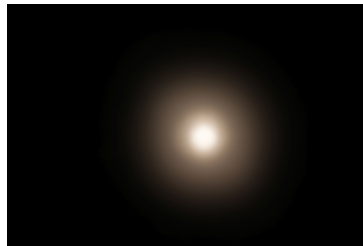
**LED** LUXEON V  
**FWHM / FWTM** 11.0° / 28.0°  
**Efficiency** 84 %  
**Peak intensity** 11.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



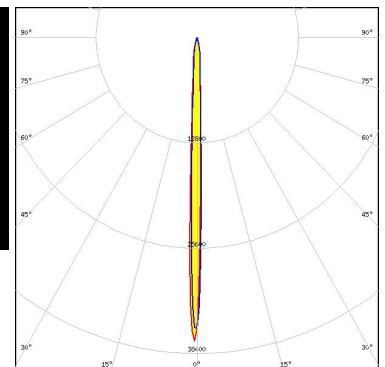
**LED** LUXEON Z ES  
**FWHM / FWTM** 5.0° / 12.0°  
**Efficiency** 87 %  
**Peak intensity** 44.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NCSx17A  
**FWHM / FWTM** 4.0° / 13.0°  
**Efficiency** 83 %  
**Peak intensity** 37.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

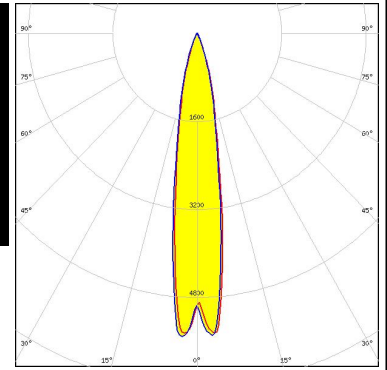
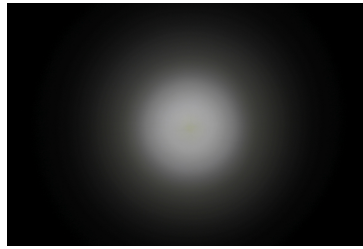


Light distribution files

#### OPTICAL RESULTS (MEASURED):



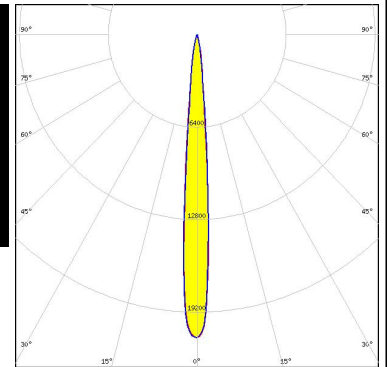
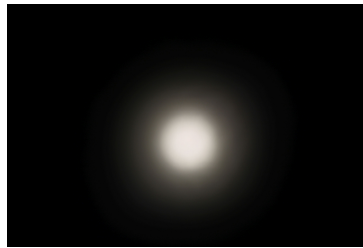
**LED** NV4x144A  
**FWHM / FWTM** 18.0° / 39.0°  
**Efficiency** 83 %  
**Peak intensity** 5.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



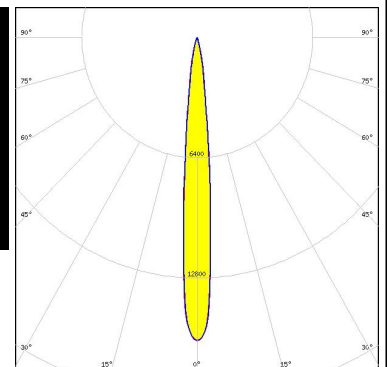
**LED** NVSW219D  
**FWHM / FWTM** 9.0° / 19.0°  
**Efficiency** 87 %  
**Peak intensity** 21 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** NVSW319B  
**FWHM / FWTM** 10.0° / 23.0°  
**Efficiency** 87 %  
**Peak intensity** 16.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

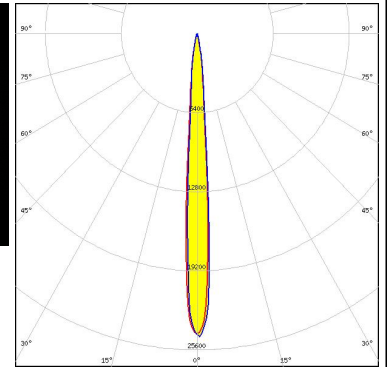
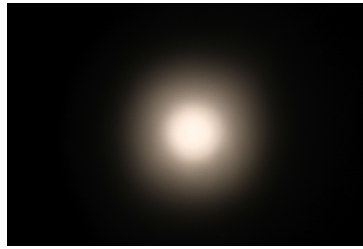


Light distribution files

### OPTICAL RESULTS (MEASURED):



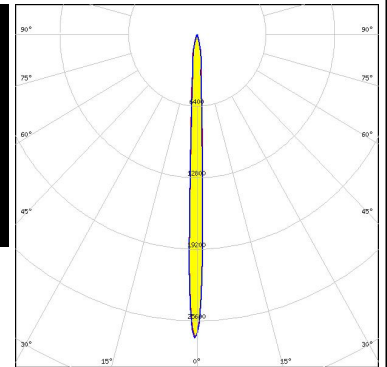
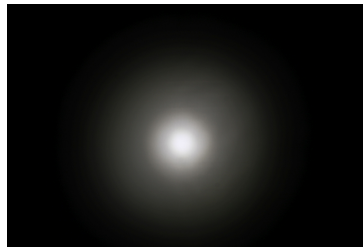
LED NVSW719AC  
 FWHM / FWTM 8.0° / 19.0°  
 Efficiency 91 %  
 Peak intensity 24.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



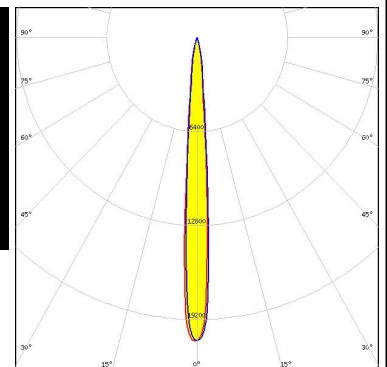
LED NVSxE21A  
 FWHM / FWTM 5.0° / 16.0°  
 Efficiency 84 %  
 Peak intensity 27.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED NVSxx19B/NVSxx19C  
 FWHM / FWTM 8.0° / 20.0°  
 Efficiency 85 %  
 Peak intensity 20.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

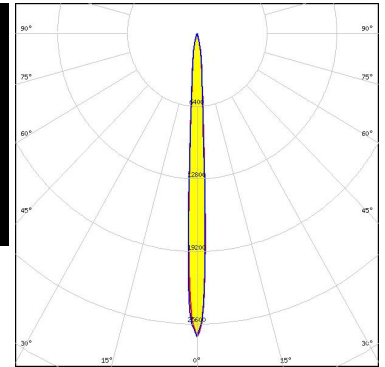
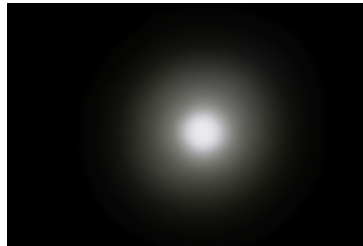


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

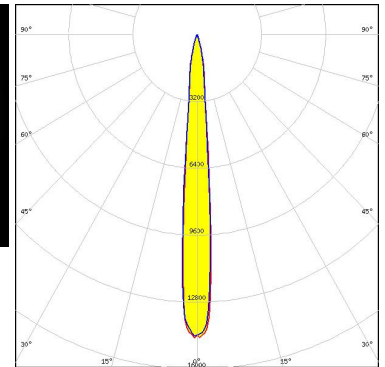
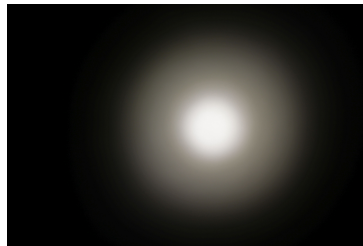
LED OSCONIQ P 3737 (2W version)  
 FWHM / FWTM 6.0° / 17.0°  
 Efficiency 86 %  
 Peak intensity 26.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

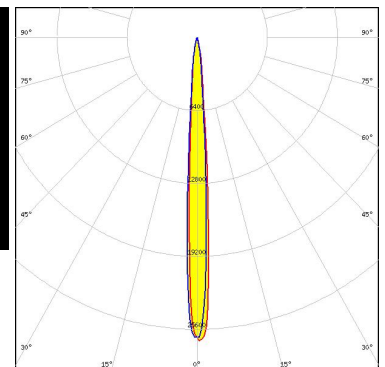
LED OSCONIQ P 3737 (3W version)  
 FWHM / FWTM 10.0° / 25.0°  
 Efficiency 85 %  
 Peak intensity 14.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED OSLON Square CSSRM2/CSSRM3  
 FWHM / FWTM 7.0° / 17.0°  
 Efficiency 86 %  
 Peak intensity 26.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

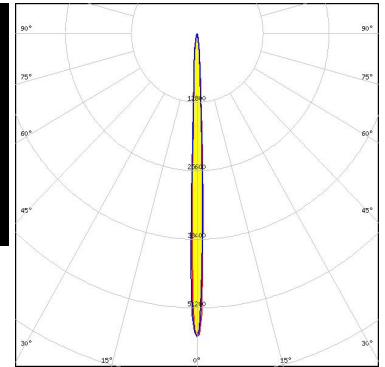
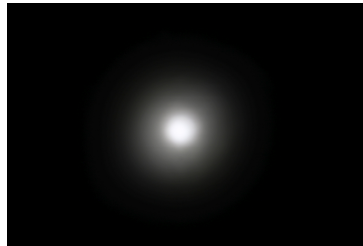


Light distribution files

### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

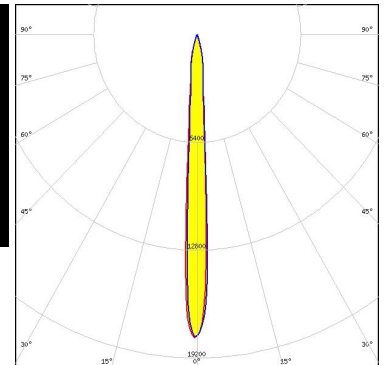
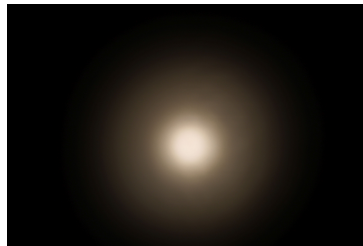
LED OSLON SSL 150  
FWHM / FWTM 4.0° / 11.0°  
Efficiency 87 %  
Peak intensity 57 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

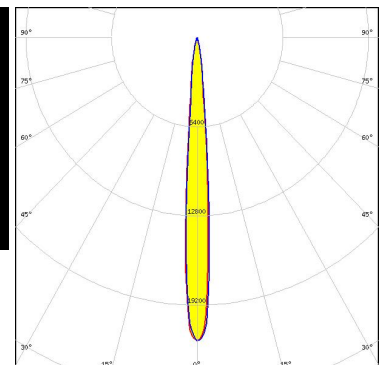
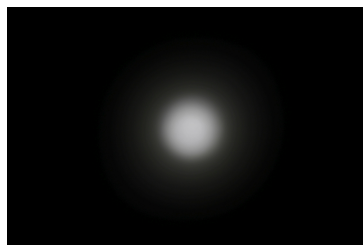
LED LH231B  
FWHM / FWTM 7.0° / 24.0°  
Efficiency 86 %  
Peak intensity 18 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LH351B  
FWHM / FWTM 8.0° / 19.0°  
Efficiency 86 %  
Peak intensity 21.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

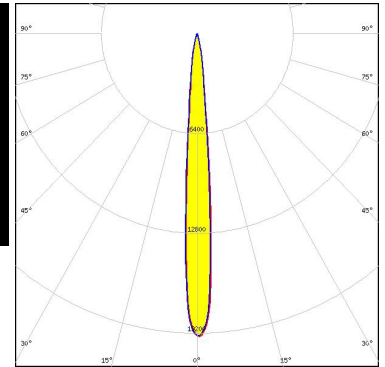


Light distribution files

### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

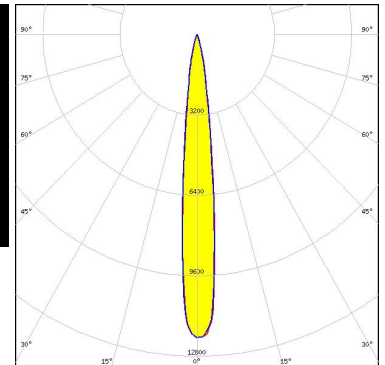
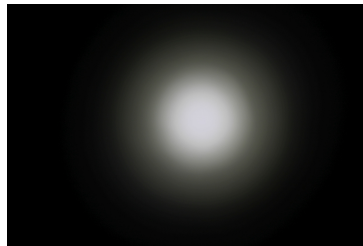
LED LH351C  
FWHM / FWTM 9.0° / 21.0°  
Efficiency 87 %  
Peak intensity 19.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

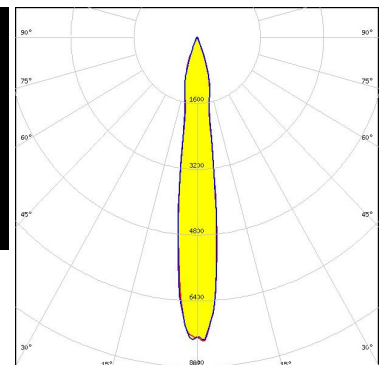
LED LH351D  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 86 %  
Peak intensity 12.1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

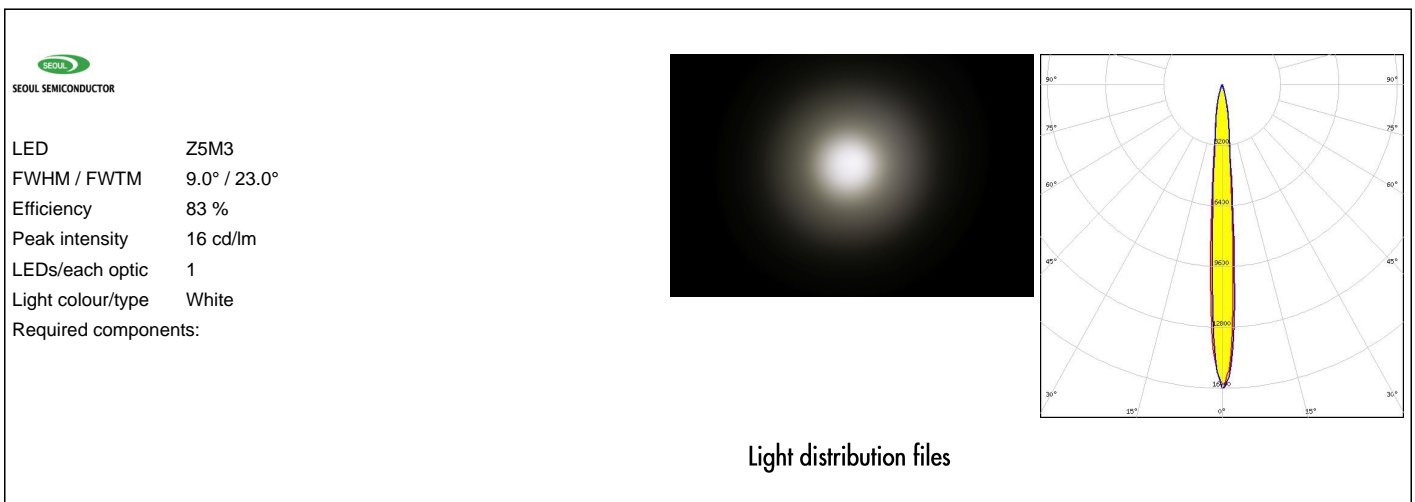
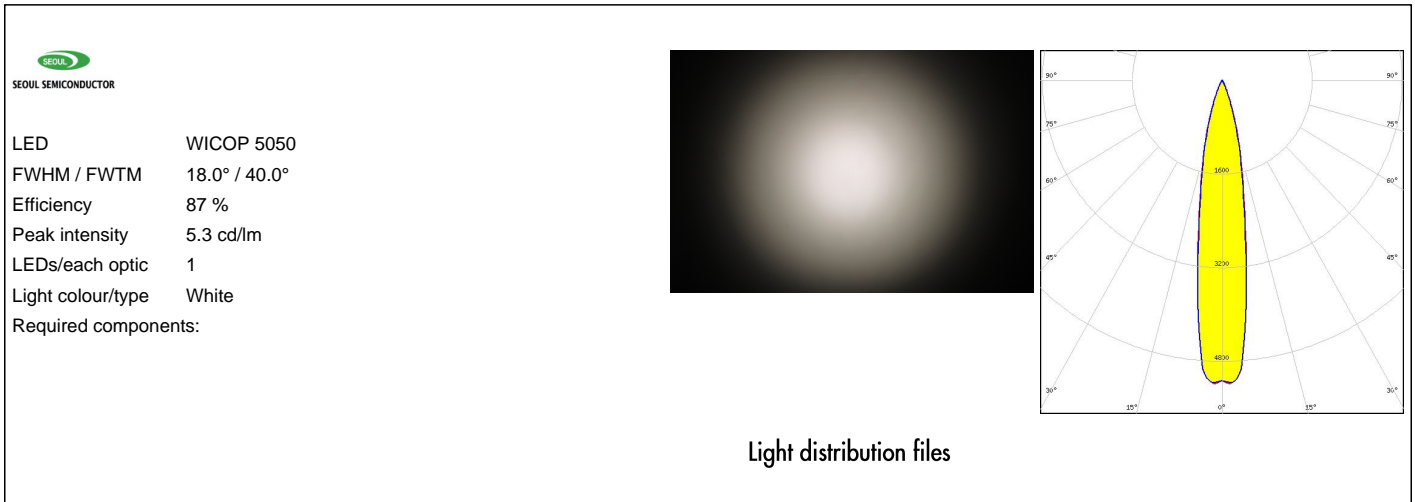
#### SAMSUNG

LED LH508A  
FWHM / FWTM 14.0° / 38.0°  
Efficiency 86 %  
Peak intensity 7.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

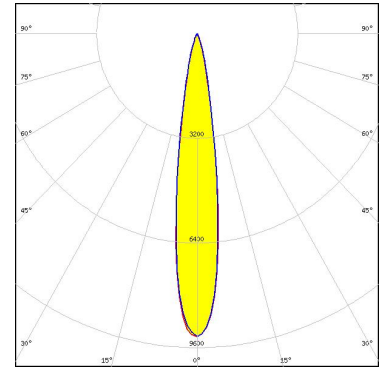
## OPTICAL RESULTS (MEASURED):



### OPTICAL RESULTS (SIMULATED):



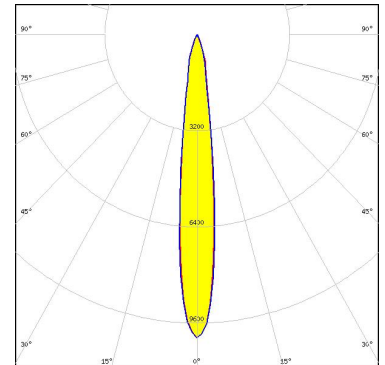
**LED** V4 HD Gen 7  
**FWHM / FWTM** 16.0° / 31.0°  
**Efficiency** 96 %  
**Peak intensity** 9.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



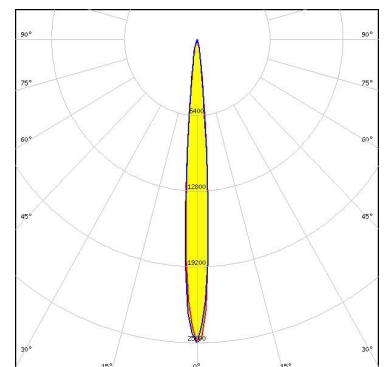
**LED** J Series 5050 Round LES  
**FWHM / FWTM** 14.0° / 33.0°  
**Efficiency** 93 %  
**Peak intensity** 10.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** XHP35 HI  
**FWHM / FWTM** 9.0° / 18.0°  
**Efficiency** 92 %  
**Peak intensity** 25 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

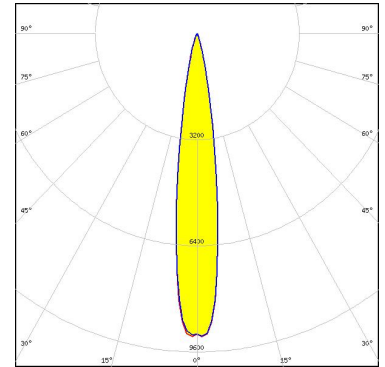


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED XHP35.2 HD  
FWHM / FWTM 16.0° / 30.0°  
Efficiency 89 %  
Peak intensity 9.2 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

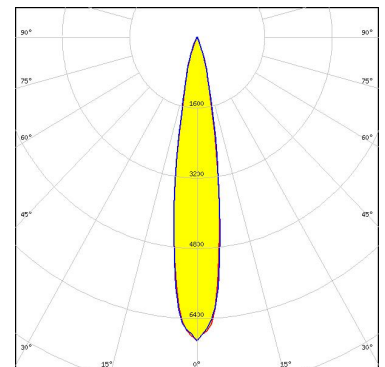


LED XHP35.2 HI  
FWHM / FWTM 12.0° / 24.0°  
Efficiency 93 %  
Peak intensity 14.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED XHP50.2  
FWHM / FWTM 18.0° / 36.0°  
Efficiency 88 %  
Peak intensity 6.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

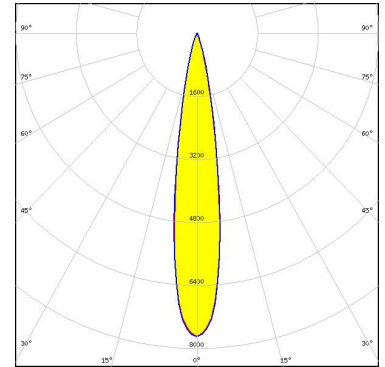


Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED XHP50.3 HD  
FWHM / FWTM 16.0 + 18.0° / 32.0°  
Efficiency 89 %  
Peak intensity 7.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

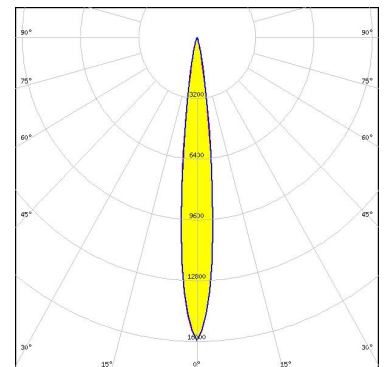


LED XHP70.2  
FWHM / FWTM 22.0° / 46.0°  
Efficiency 84 %  
Peak intensity 3.5 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



LED XM-L  
FWHM / FWTM 12.0° / 23.0°  
Efficiency 94 %  
Peak intensity 16 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

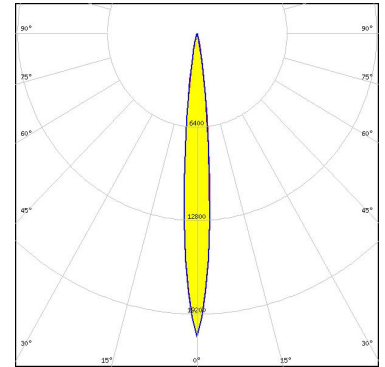


Light distribution files

### OPTICAL RESULTS (SIMULATED):



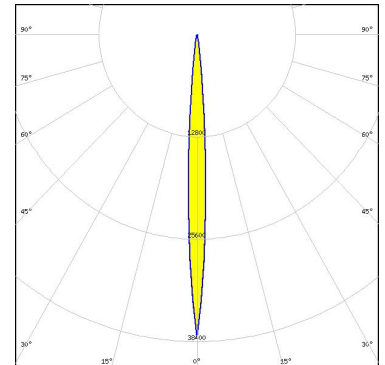
LED XP-G2 HE  
FWHM / FWTM 10.0° / 20.0°  
Efficiency 93 %  
Peak intensity 20.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



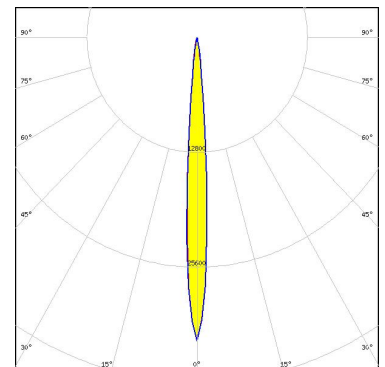
LED XP-G4 HI  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 92 %  
Peak intensity 37.9 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XP-L HI  
FWHM / FWTM 8.0° / 15.0°  
Efficiency 92 %  
Peak intensity 33 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

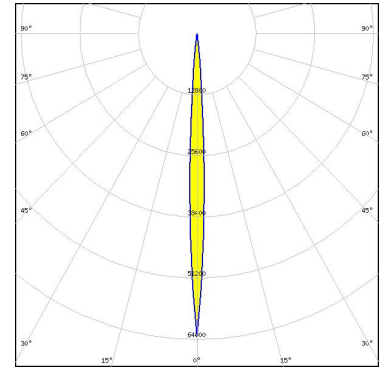


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



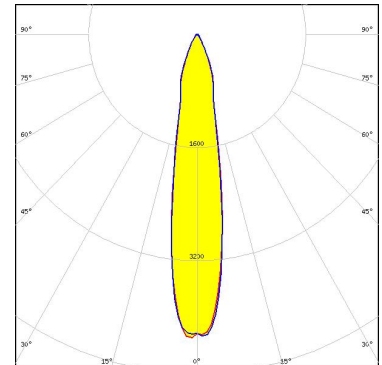
LED XP-P  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 96 %  
 Peak intensity 63.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



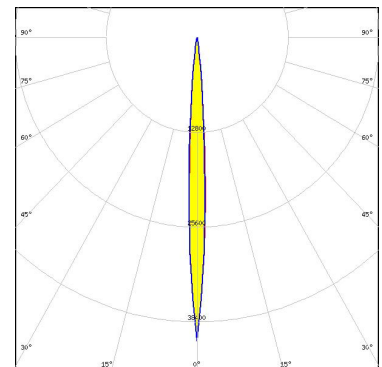
LED LUXEON 7070  
 FWHM / FWTM 19.0° / 49.0°  
 Efficiency 95 %  
 Peak intensity 4.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON C  
 FWHM / FWTM 6.0° / 14.0°  
 Efficiency 89 %  
 Peak intensity 41 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

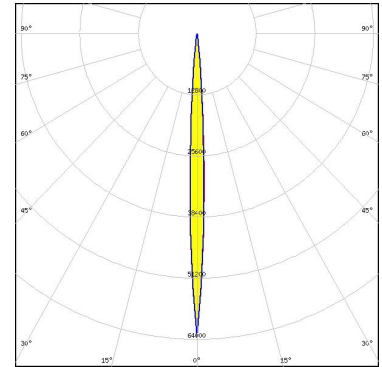


Light distribution files

### OPTICAL RESULTS (SIMULATED):



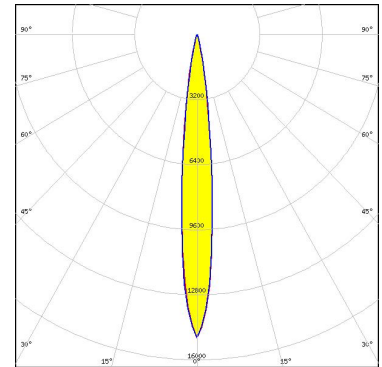
**LED** LUXEON CZ  
**FWHM / FWTM** 6.0° / 12.0°  
**Efficiency** 93 %  
**Peak intensity** 63.5 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



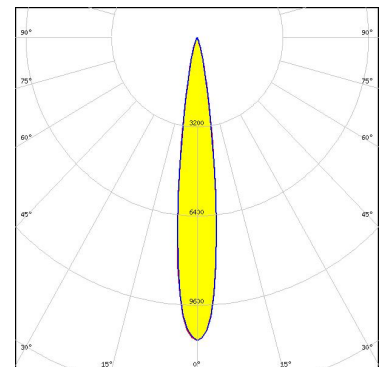
**LED** SST-40  
**FWHM / FWTM** 12.0° / 24.0°  
**Efficiency** 93 %  
**Peak intensity** 14.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files

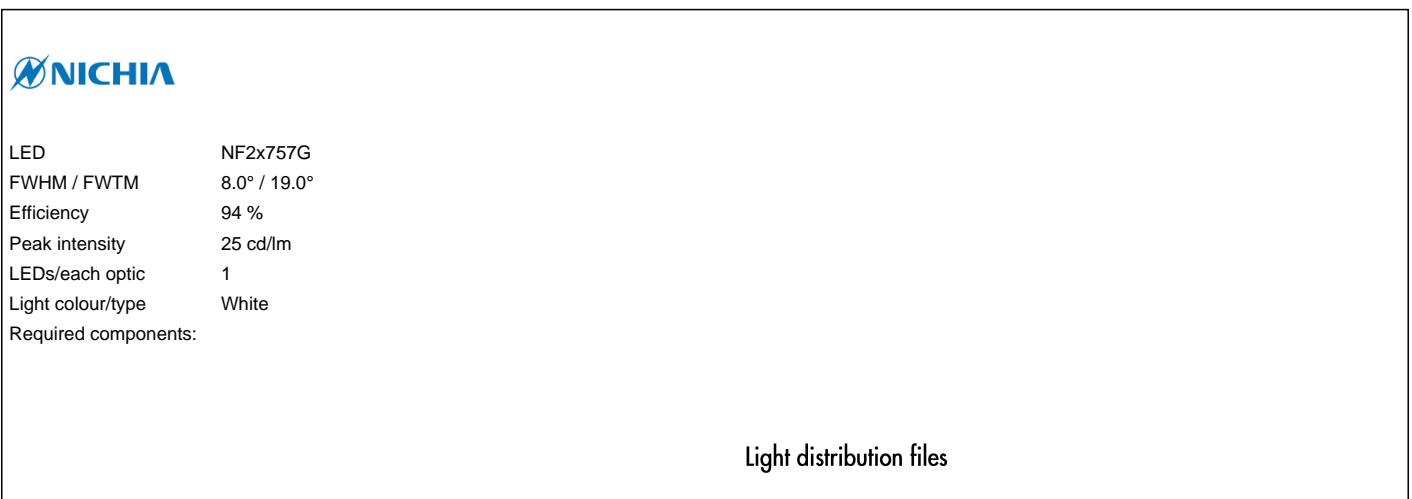
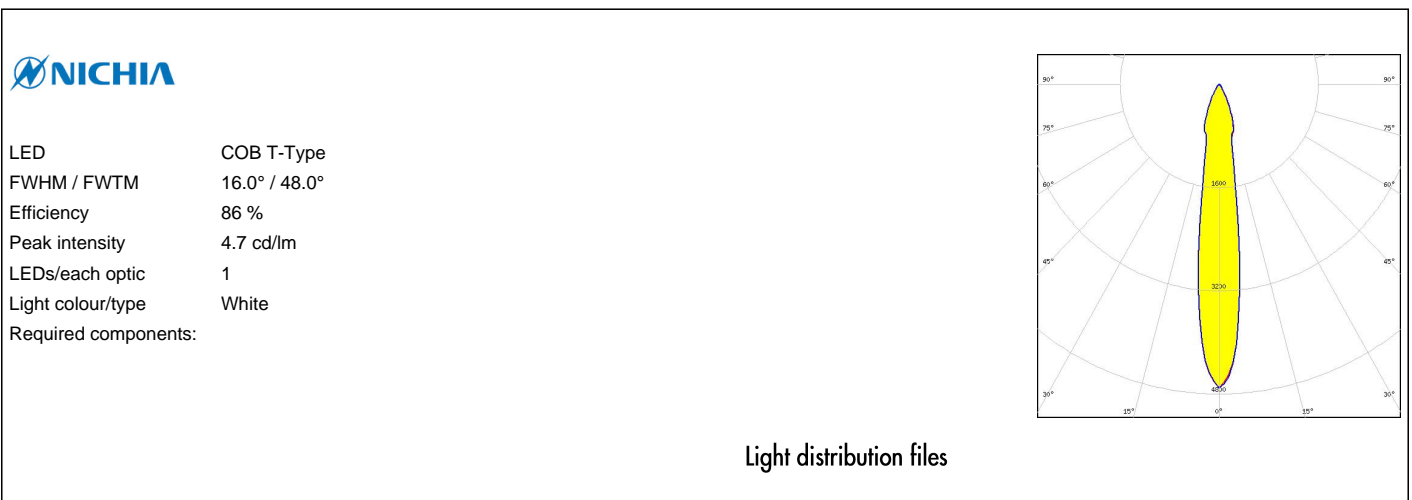
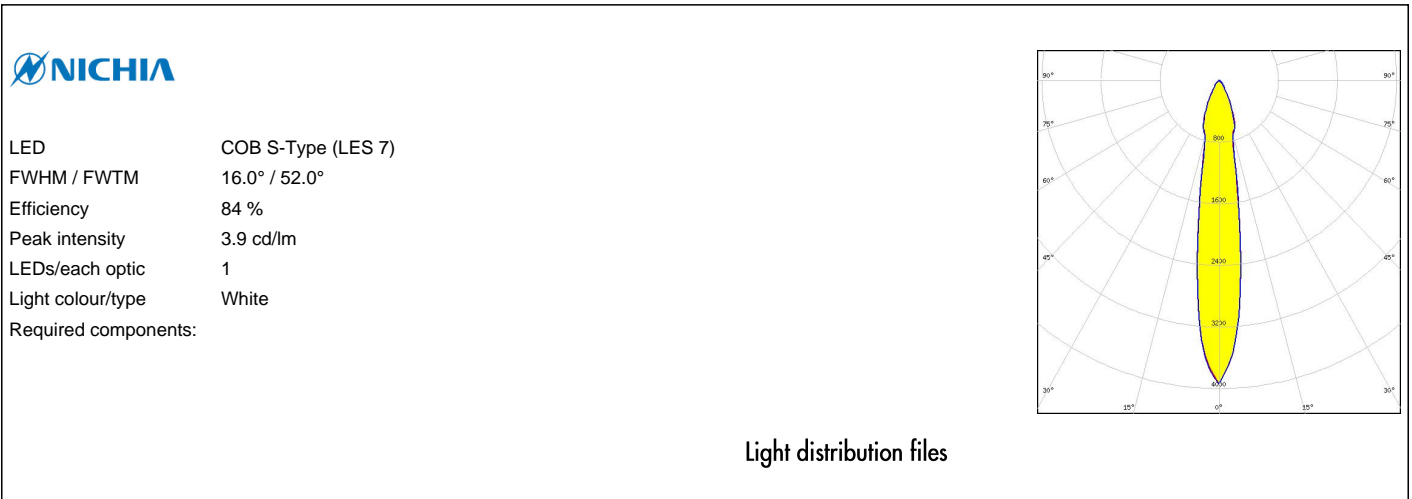


**LED** SST-70X-WCS  
**FWHM / FWTM** 14.0° / 28.0°  
**Efficiency** 94 %  
**Peak intensity** 10.9 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files

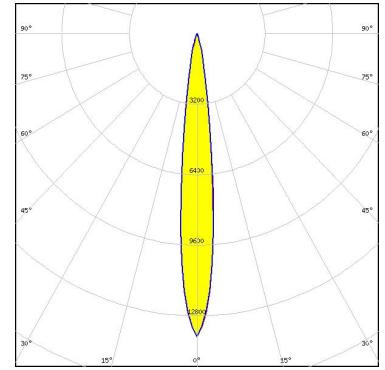
### OPTICAL RESULTS (SIMULATED):



### OPTICAL RESULTS (SIMULATED):



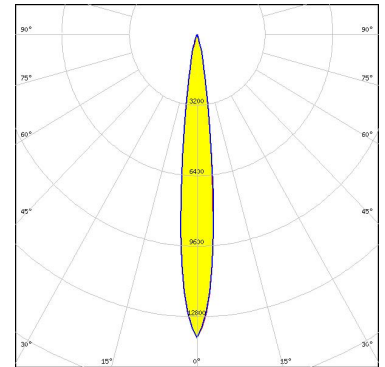
LED NV4WB35AM  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 93 %  
Peak intensity 13.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



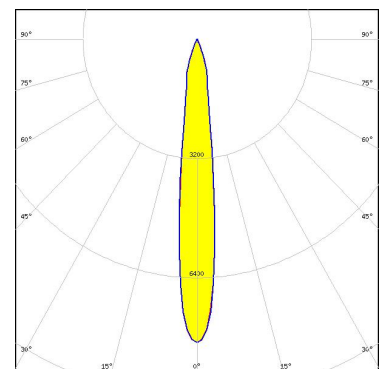
LED NV4WB35AM  
FWHM / FWTM 12.0° / 26.0°  
Efficiency 94 %  
Peak intensity 13.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED OSOLON PURE 1010  
FWHM / FWTM 14.0° / 36.0°  
Efficiency 88 %  
Peak intensity 8.1 cd/lm  
LEDs/each optic 9  
Light colour/type White  
Required components:

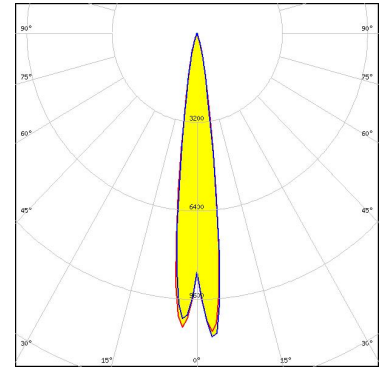


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

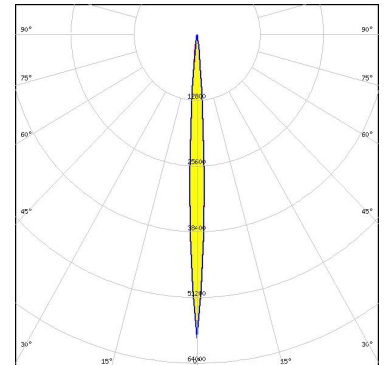
LED OSLON Pure 1414  
 FWHM / FWTM 14.0° / 26.0°  
 Efficiency 94 %  
 Peak intensity 11 cd/lm  
 LEDs/each optic 4  
 Light colour/type RGBW  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

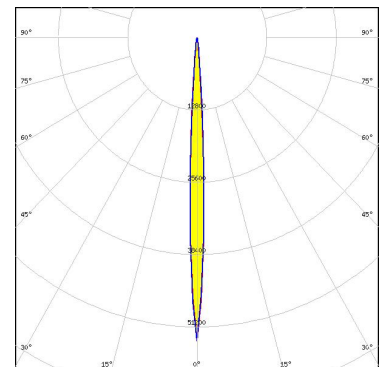
LED OSLON Pure 1414  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 93 %  
 Peak intensity 59.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4170S  
 FWHM / FWTM 6.0° / 12.0°  
 Efficiency 82 %  
 LEDs/each optic 1  
 Light colour/type IR  
 Required components:

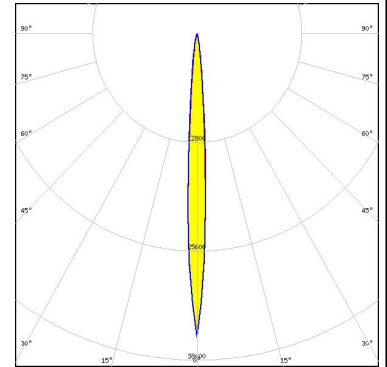


Light distribution files

### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

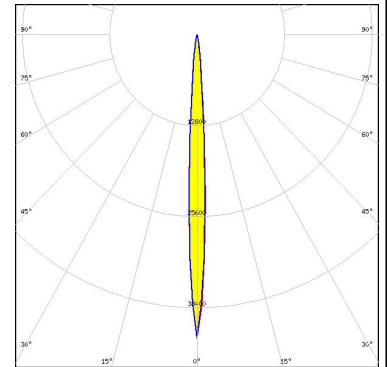
LED SFH 4715AS  
FWHM / FWTM 7.0° / 16.0°  
Efficiency 92 %  
LEDs/each optic 1  
Light colour/type IR  
Required components:



Light distribution files

**OSRAM**  
Opto Semiconductors

LED SFH 4716AS  
FWHM / FWTM 6.0° / 14.0°  
Efficiency 93 %  
LEDs/each optic 1  
Light colour/type IR  
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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

#### LEDiL Oy

Joensuunkatu 13  
FI-24240 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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

#### Shipping locations


Poznan, Poland  
Hong Kong, China

#### Distribution Partners





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

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View CA16672\\_OLGA-RS on WIN SOURCE](#)
-  [Ledil Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management