

## FLORENCE2-Z90

~90° wide beam

### SPECIFICATION:

Dimensions	285.0 x 64.2
Height	8.1 mm
Fastening	screw
ROHS compliant	yes ⓘ

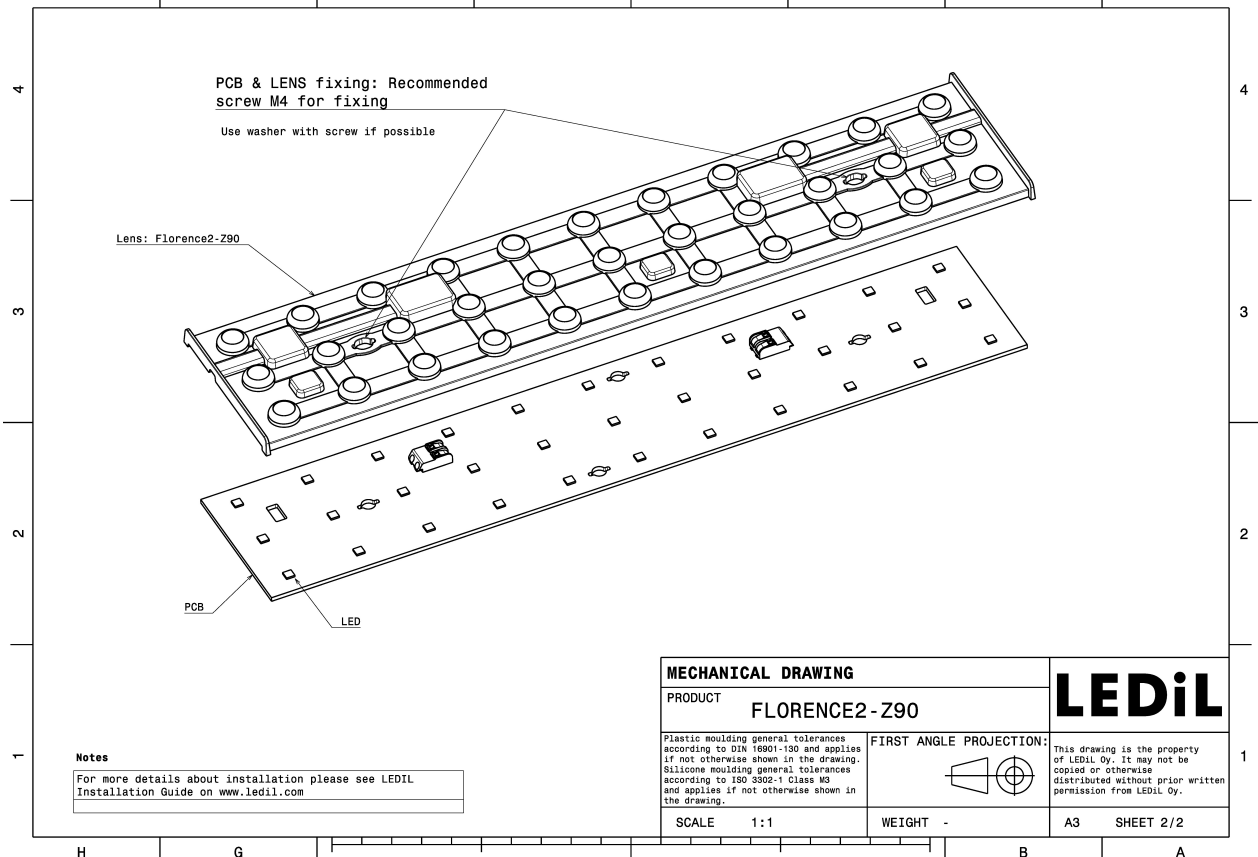
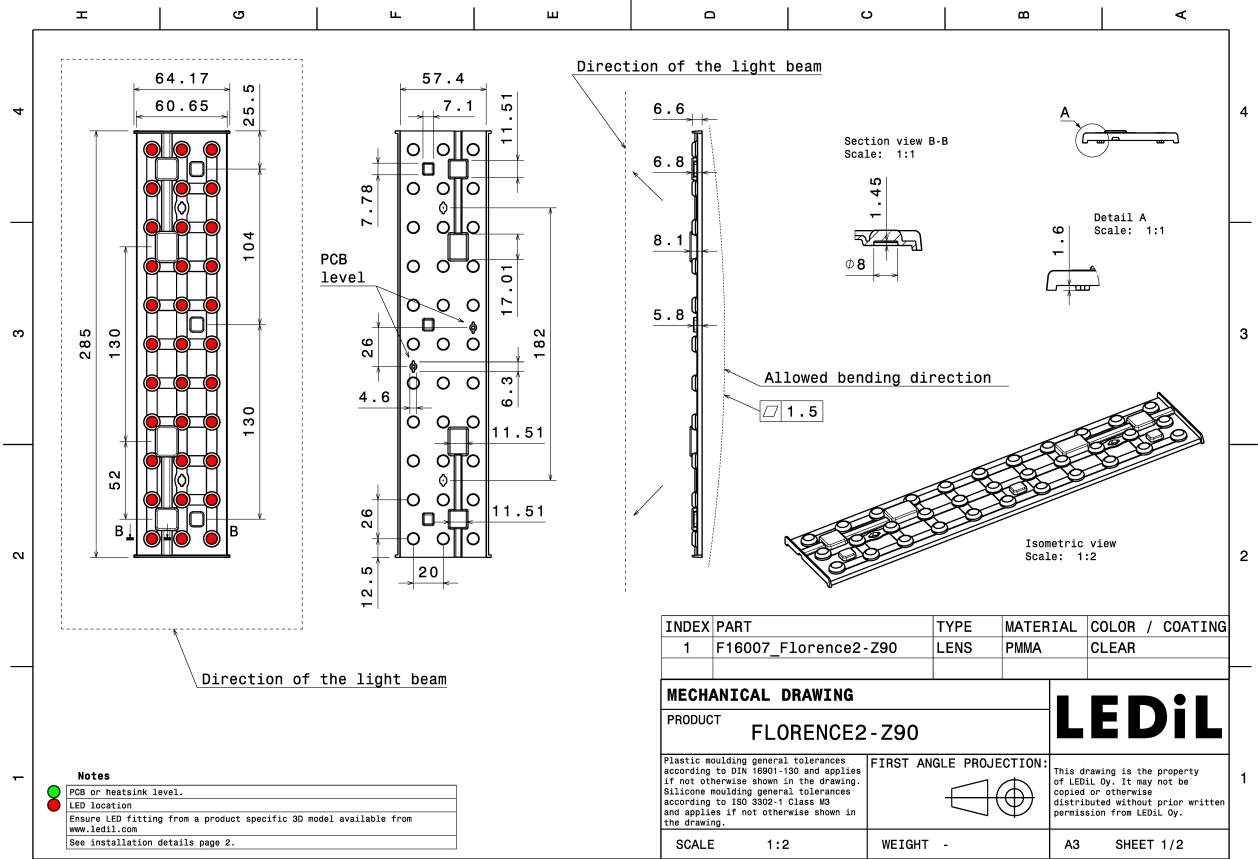
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLORENCE2-Z90	Linear lens	PMMA	clear		

### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16007_FLORENCE2-Z90 » Box size: 398 x 298 x 140 mm	78	18	6	4.8



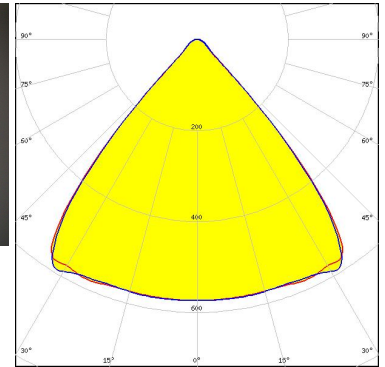


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



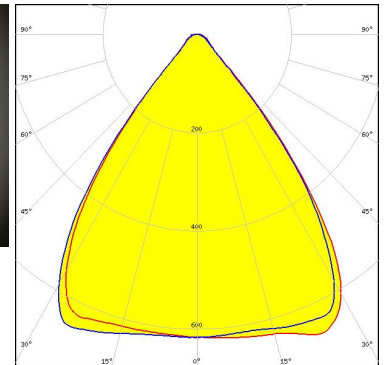
**LED** J Series 2835  
**FWHM / FWTM** 82.0° / 94.0°  
**Efficiency** 97 %  
**Peak intensity** 0.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



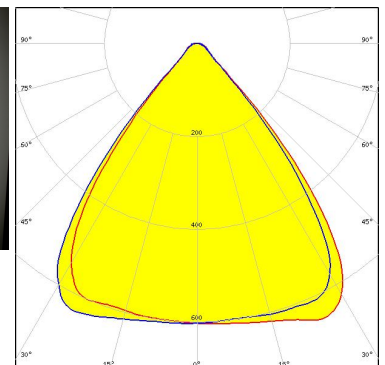
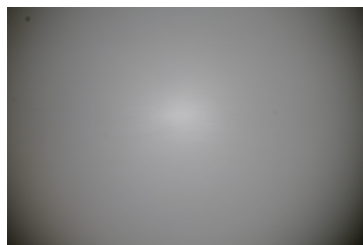
**LED** LED-Modul 280 x 55 mm 1B  
**FWHM / FWTM** 76.0° / 92.0°  
**Efficiency** 95 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



Light distribution files



**LED** LED-Modul 280 x 55 mm 1F  
**FWHM / FWTM** 77.0° / 93.0°  
**Efficiency** 95 %  
**Peak intensity** 0.7 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**

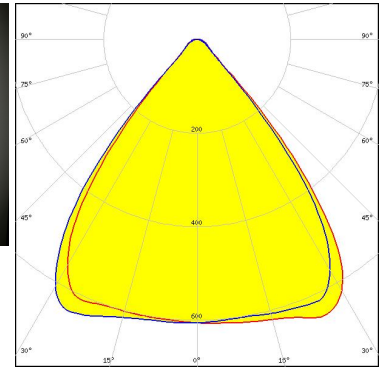


Light distribution files

#### OPTICAL RESULTS (MEASURED):

##### FRANK

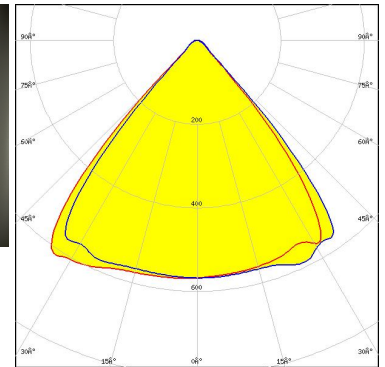
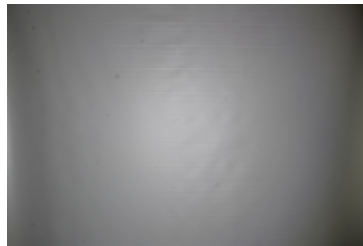
LED LED-Modul 280 x 55 mm 2F  
 FWHM / FWTM 77.0° / 92.0°  
 Efficiency 95 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

##### inventronics

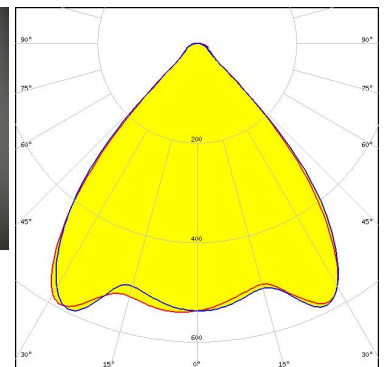
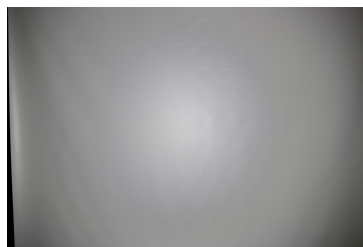
LED PL-BAR-G3 1100 280x55  
 FWHM / FWTM 82.0° / 94.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

##### LUMILEDS

LED LUXEON 5050 Round LES  
 FWHM / FWTM 82.0° / 96.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

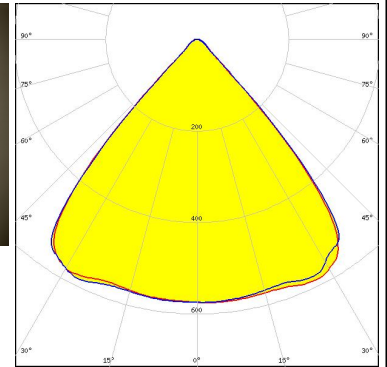
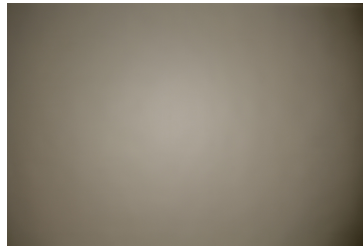


Light distribution files

#### OPTICAL RESULTS (MEASURED):



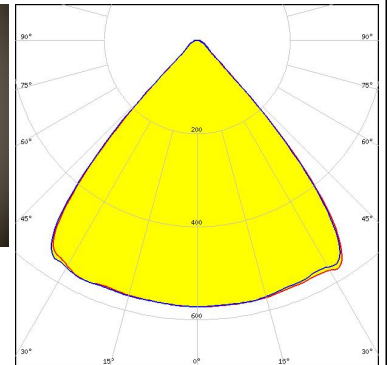
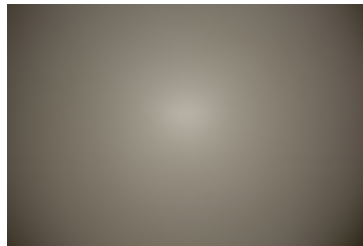
LED LUXEON XR-3535L (L202 - xxxx033C30001)  
FWHM / FWTM 83.0°  
Efficiency 97 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



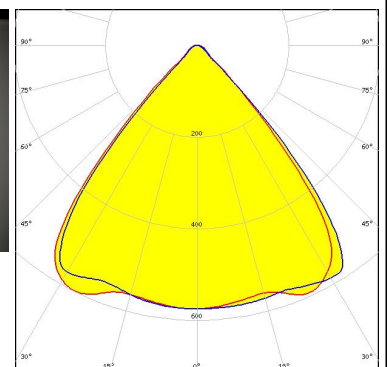
LED NFSW757H  
FWHM / FWTM 83.0° / 95.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Duris E5  
FWHM / FWTM 82.0° / 97.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

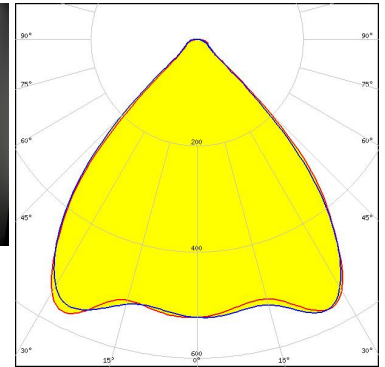


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**OSRAM**  
Opto Semiconductors

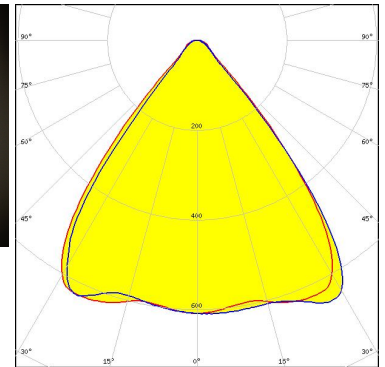
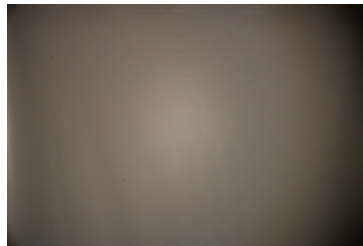
LED Duris S8  
FWHM / FWTM 84.0° / 98.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**PHILIPS**

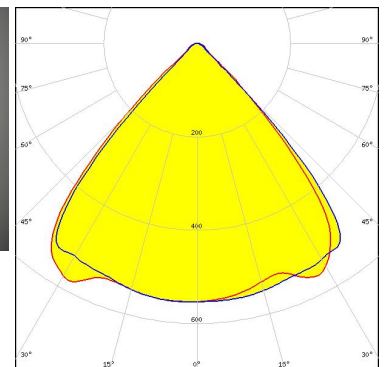
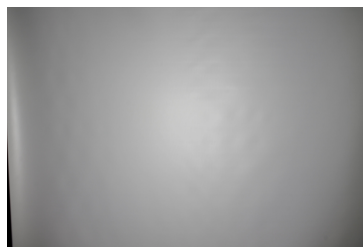
LED Fortimo LED Line VO 1ft MF 3R HV5  
FWHM / FWTM 76.0° / 91.0°  
Efficiency 96 %  
Peak intensity 0.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**PHILIPS**

LED Fortimo LED Line 1ft 1100lm 3R HV4  
FWHM / FWTM 85.0° / 99.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

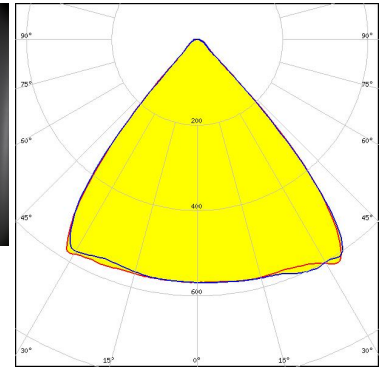
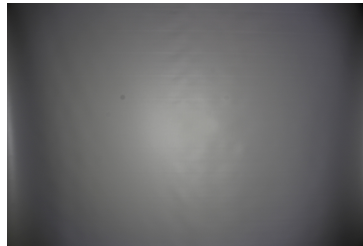


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### PHILIPS

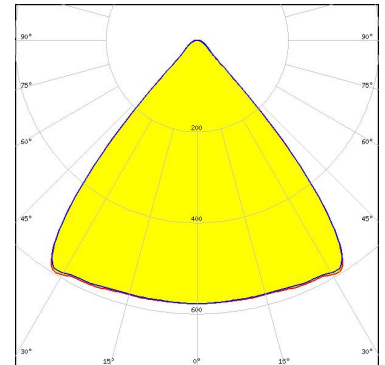
LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4  
 FWHM / FWTM 82.0° / 93.0°  
 Efficiency 94 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### PHILIPS

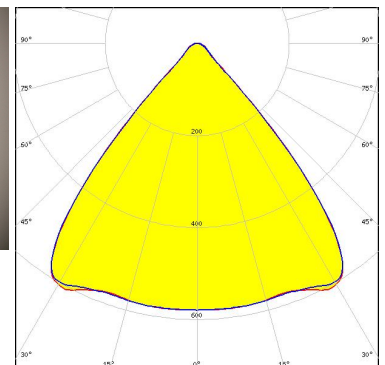
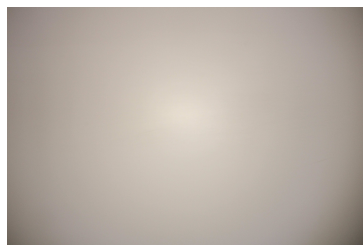
LED Fortimo LED Line 1ft HF 3R HV5  
 FWHM / FWTM 81.0° / 93.0°  
 Efficiency 96 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

### PHILIPS

LED Fortimo LED Line 1ft LF 3R HV5 & LV5  
 FWHM / FWTM 81.0° / 93.0°  
 Efficiency 97 %  
 Peak intensity 0.6 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

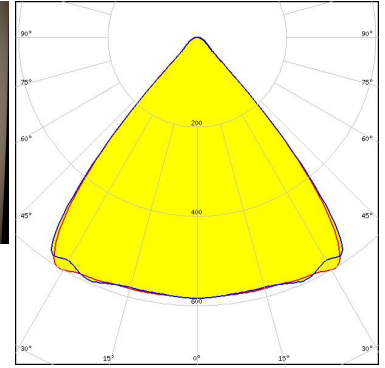


Light distribution files

#### OPTICAL RESULTS (MEASURED):

### PHILIPS

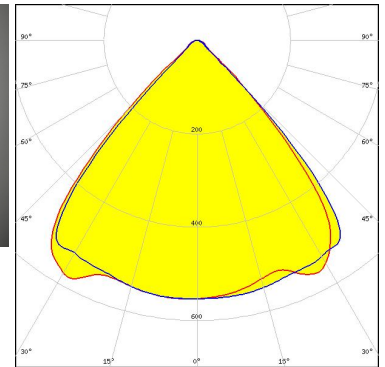
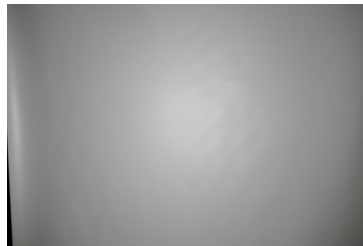
LED Fortimo LED Line 1ft MF 3R HV5 & LV5  
FWHM / FWTM 81.0° / 93.0°  
Efficiency 97 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### PHILIPS

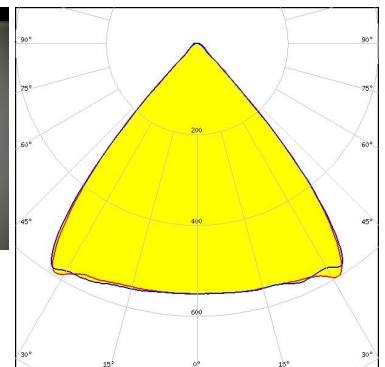
LED Fortimo LED Line 2ft 2200lm 3R HV4  
FWHM / FWTM 85.0° / 99.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

LED LM28xB Series  
FWHM / FWTM 82.0° / 92.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



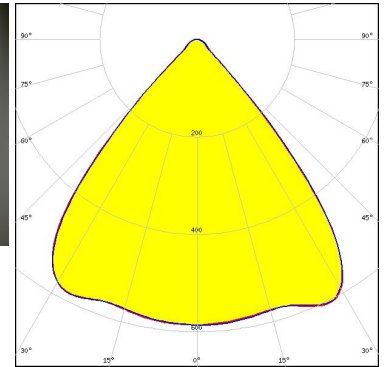
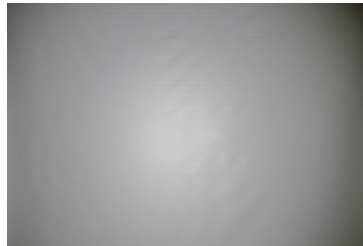
Light distribution files



#### OPTICAL RESULTS (MEASURED):

### SAMSUNG

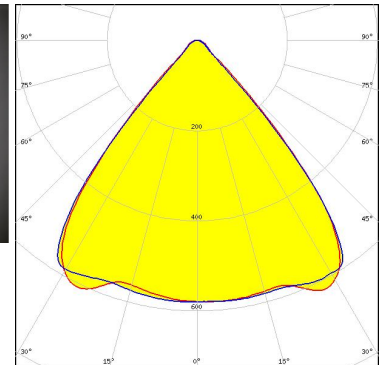
LED LM561B Plus  
FWHM / FWTM 81.0° / 95.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

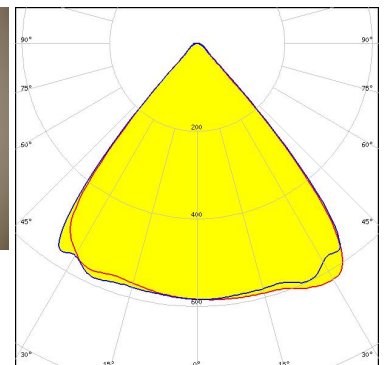
LED LT-R286A  
FWHM / FWTM 81.0° / 94.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files





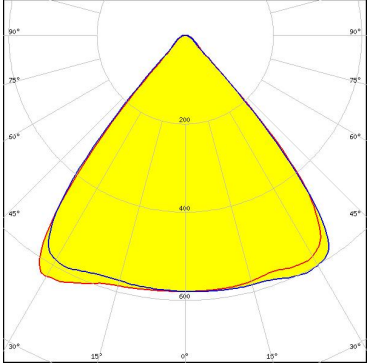
LED SEOUL 3030  
FWHM / FWTM 81.0° / 92.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

## OPTICAL RESULTS (MEASURED):

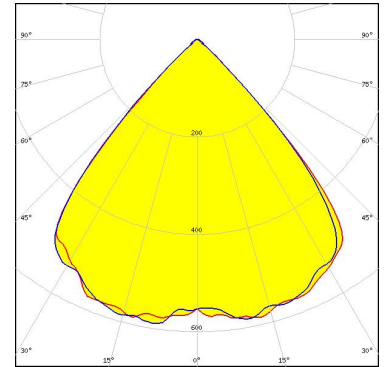
 <p>SEoul SEMIconductor</p> <p>LED                    SEOUL 5630C FWHM / FWTM       82.0° / 95.0° Efficiency            94 % Peak intensity       0.6 cd/m LEDs/each optic    1 Light colour/type   White Required components:</p>		
<p>Light distribution files</p>		

 <p>SEoul SEMIconductor</p> <p>LED                    SEOUL DC 3030 FWHM / FWTM       81.0° / 92.0° Efficiency            94 % Peak intensity       0.6 cd/m LEDs/each optic    1 Light colour/type   White Required components:</p>		
<p>Light distribution files</p>		

#### OPTICAL RESULTS (SIMULATED):



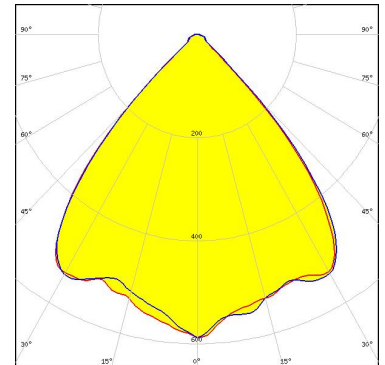
LED J Series 2835  
FWHM / FWTM 84.0° / 96.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 2  
Light colour/type White  
Required components:



Light distribution files



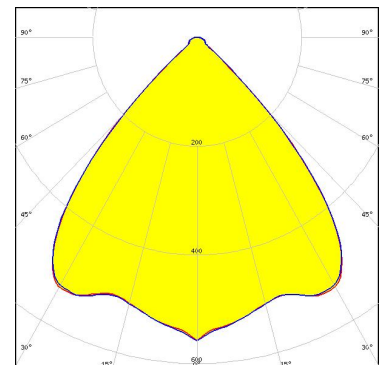
LED LUXEON 5050 Round LES  
FWHM / FWTM 84.0° / 97.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED LUXEON 5050 Square LES  
FWHM / FWTM 86.0° / 98.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

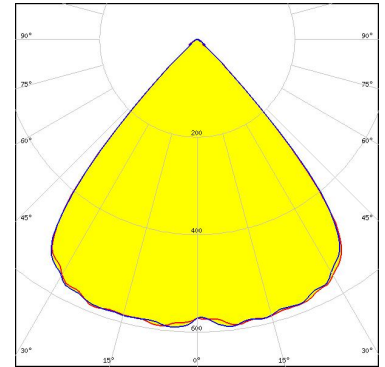


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

**OSRAM**  
Opto Semiconductors

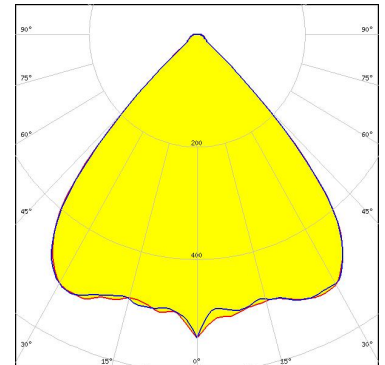
LED Duris S5 (Single chip)  
FWHM / FWTM 82.0° / 94.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

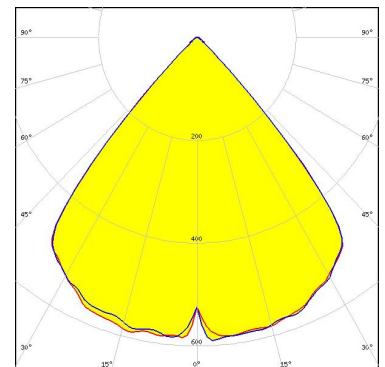
LED LM301B  
FWHM / FWTM 86.0° / 100.0°  
Efficiency 92 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 2  
Light colour/type White  
Required components:



Light distribution files

**SAMSUNG**

LED LM301B  
FWHM / FWTM 84.0° / 94.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

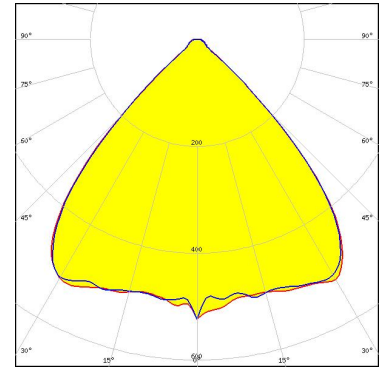


Light distribution files

#### OPTICAL RESULTS (SIMULATED):

### SAMSUNG

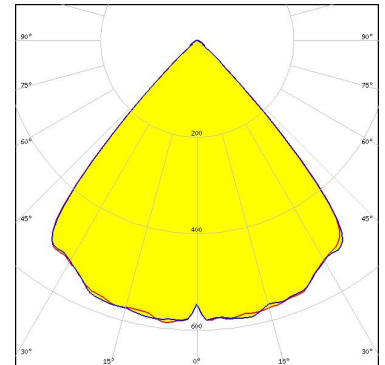
LED LM302Z plus  
FWHM / FWTM 86.0° / 100.0°  
Efficiency 92 %  
Peak intensity 0.5 cd/lm  
LEDs/each optic 2  
Light colour/type White  
Required components:



Light distribution files

### SAMSUNG

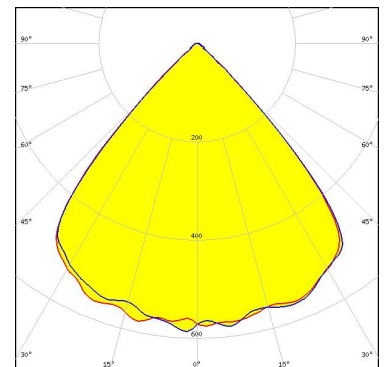
LED LM302Z plus  
FWHM / FWTM 84.0° / 94.0°  
Efficiency 93 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

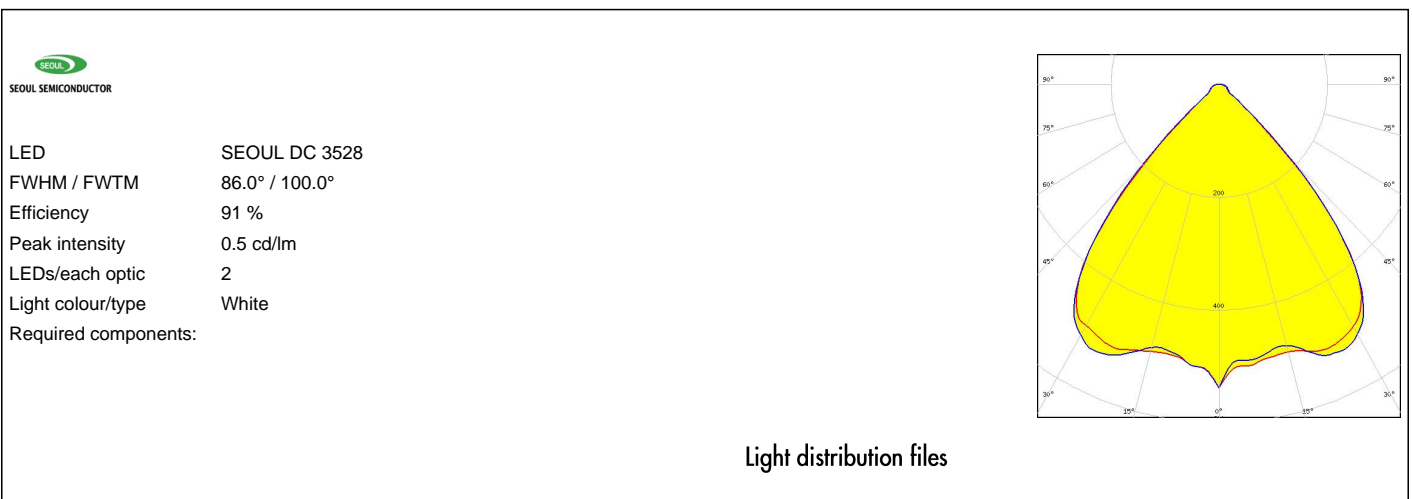
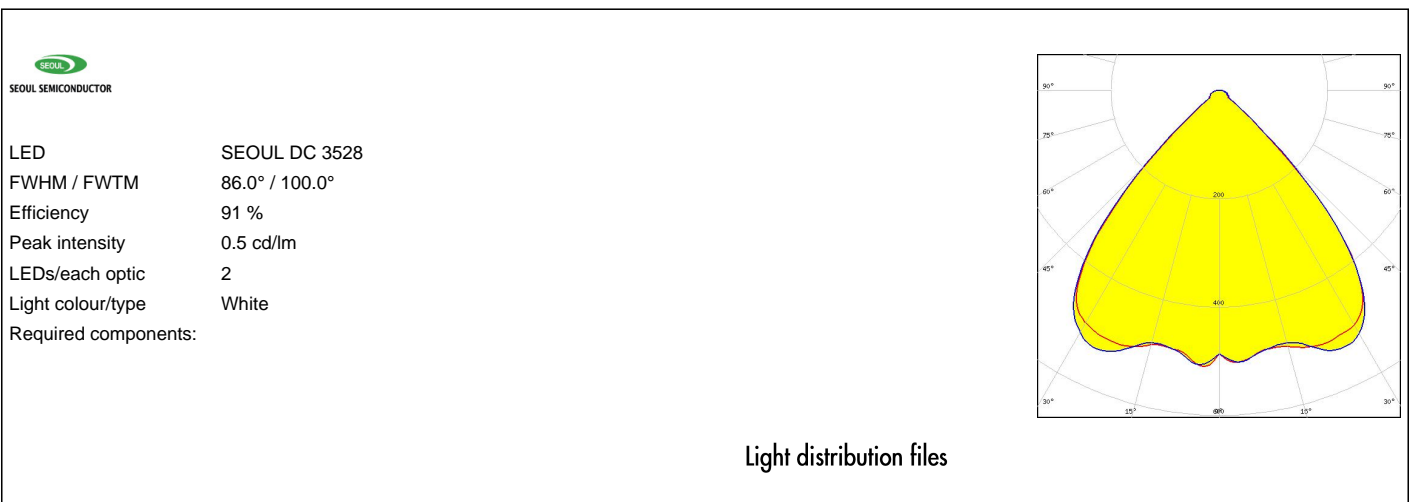
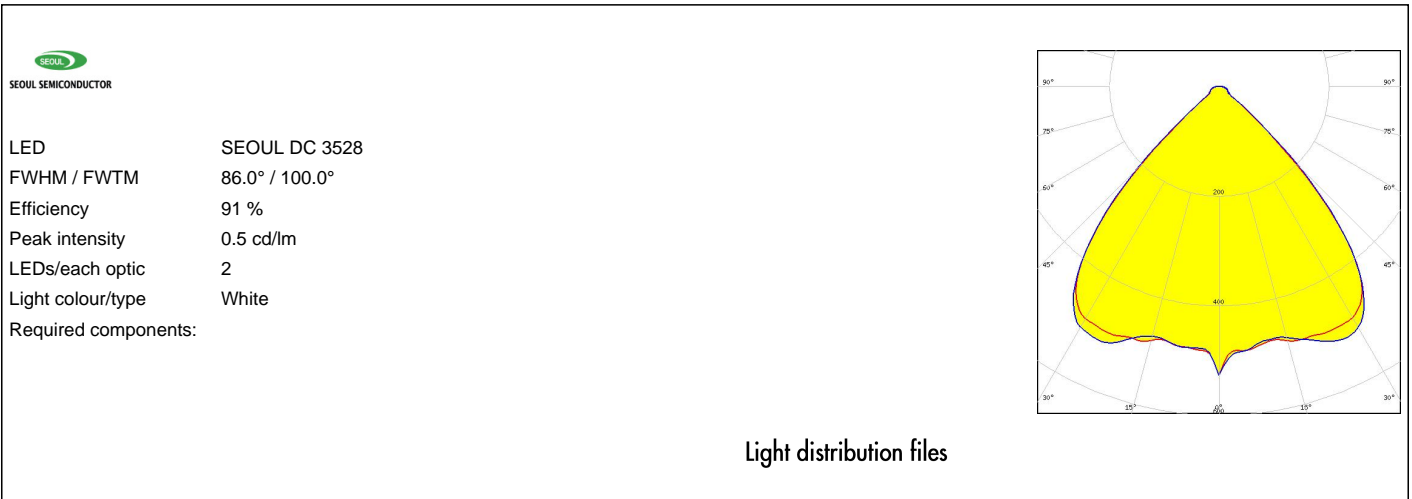


LED SEOUL DC 3030C  
FWHM / FWTM 84.0° / 96.0°  
Efficiency 94 %  
Peak intensity 0.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

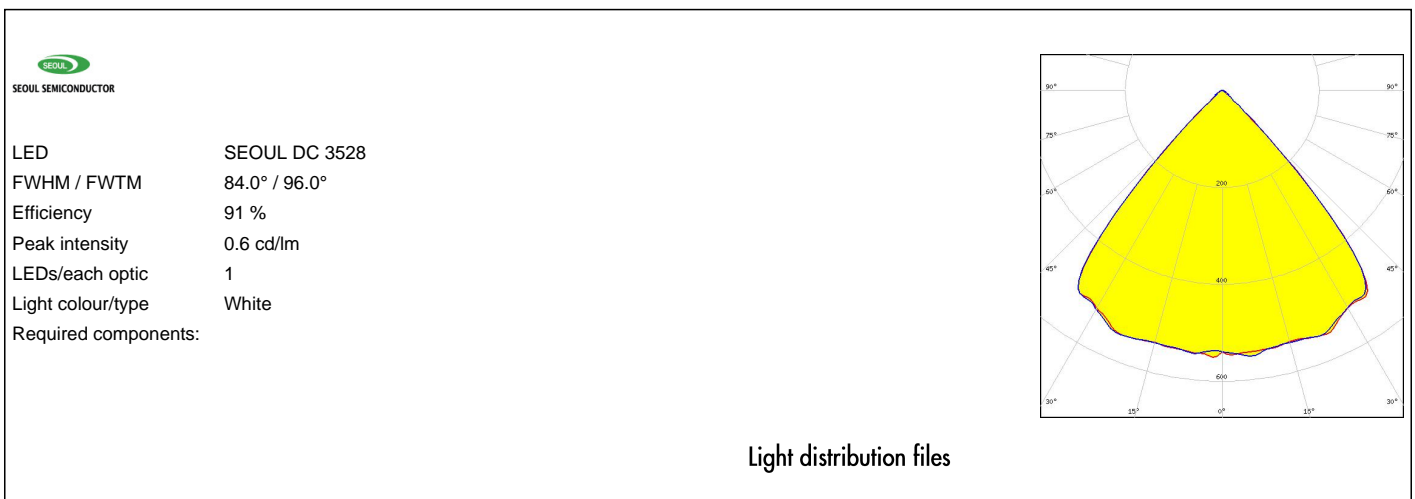
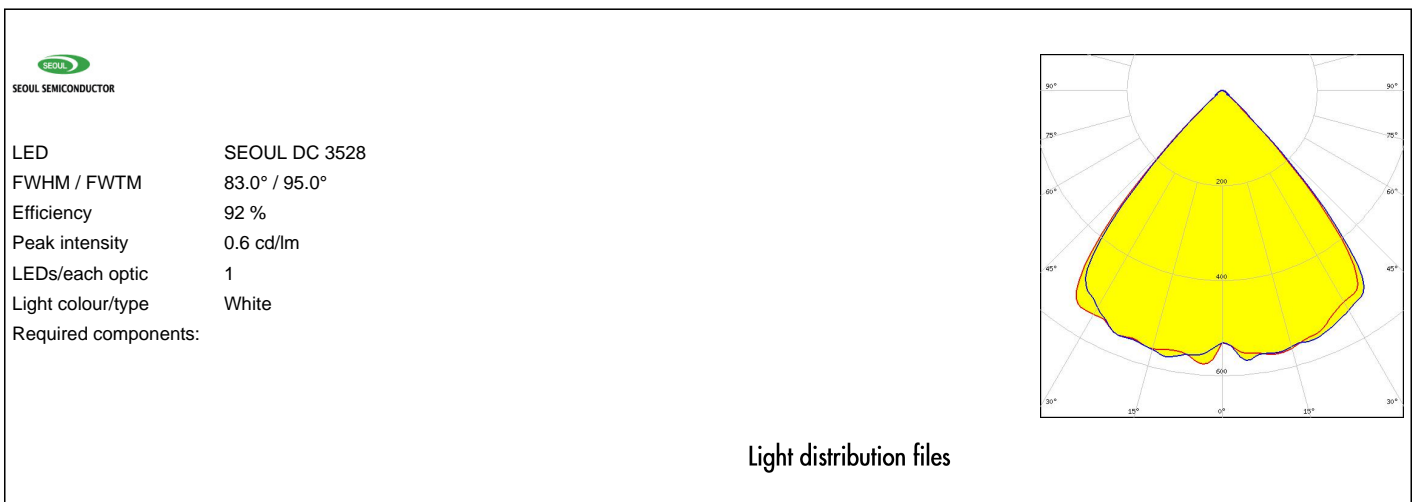
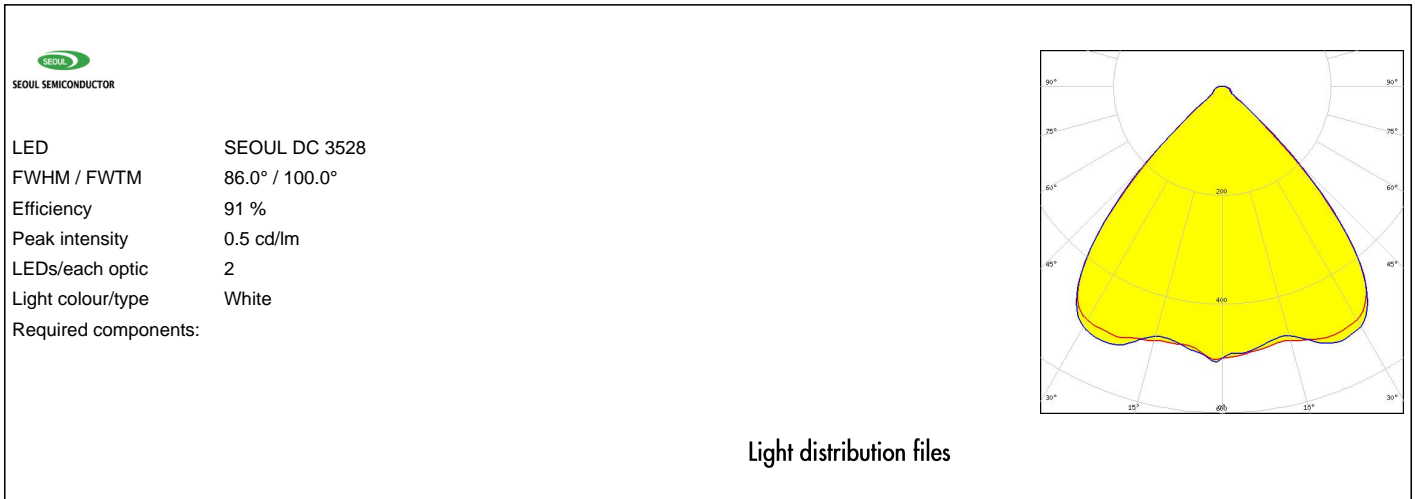


Light distribution files

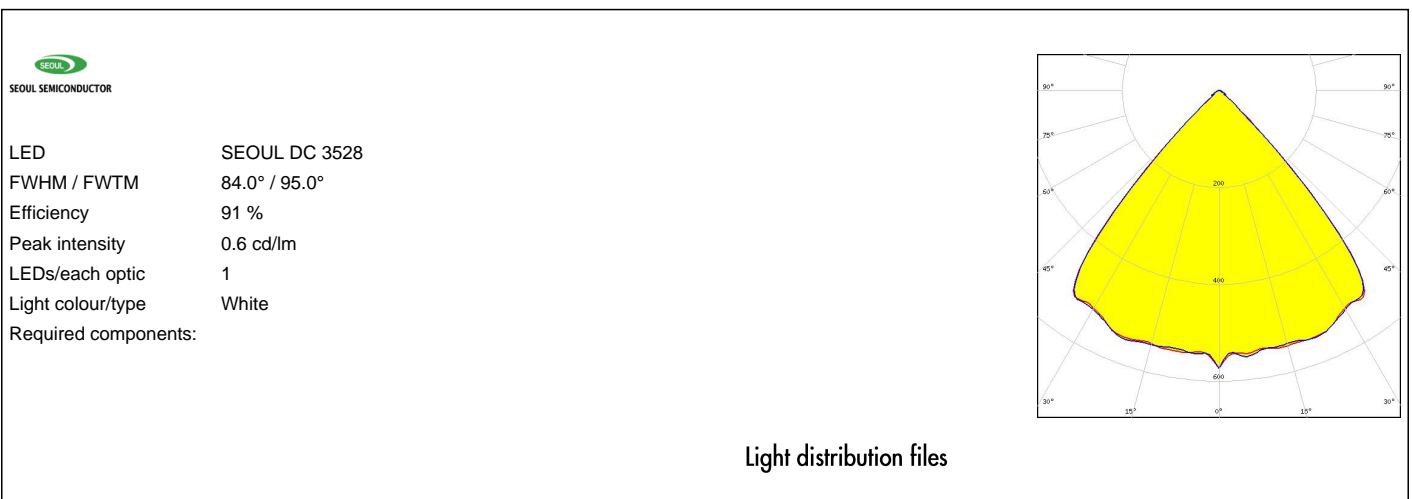
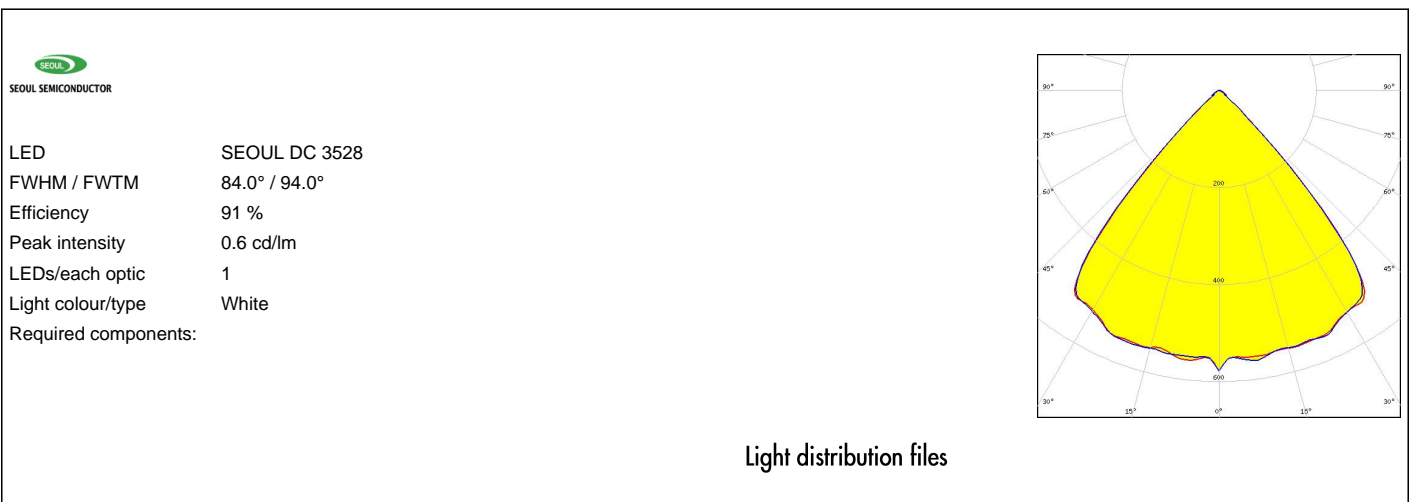
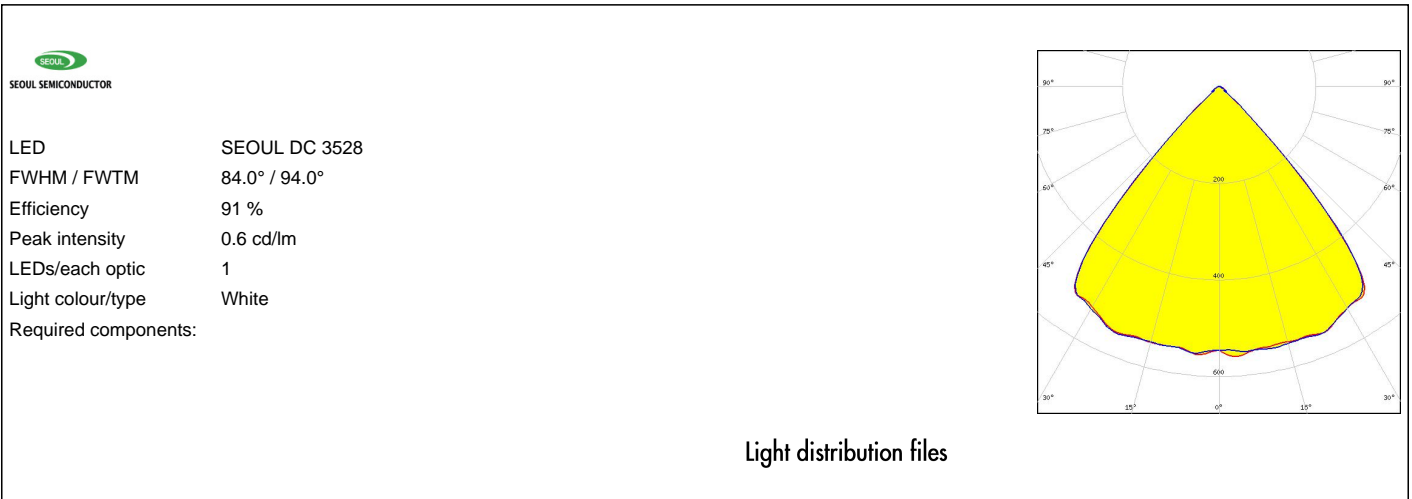
#### OPTICAL RESULTS (SIMULATED):



#### OPTICAL RESULTS (SIMULATED):



#### 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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Finland

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Sycamore IL 60178  
USA

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

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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)