

FLORENCE2-Z90

~90° wide beam

SPECIFICATION:

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

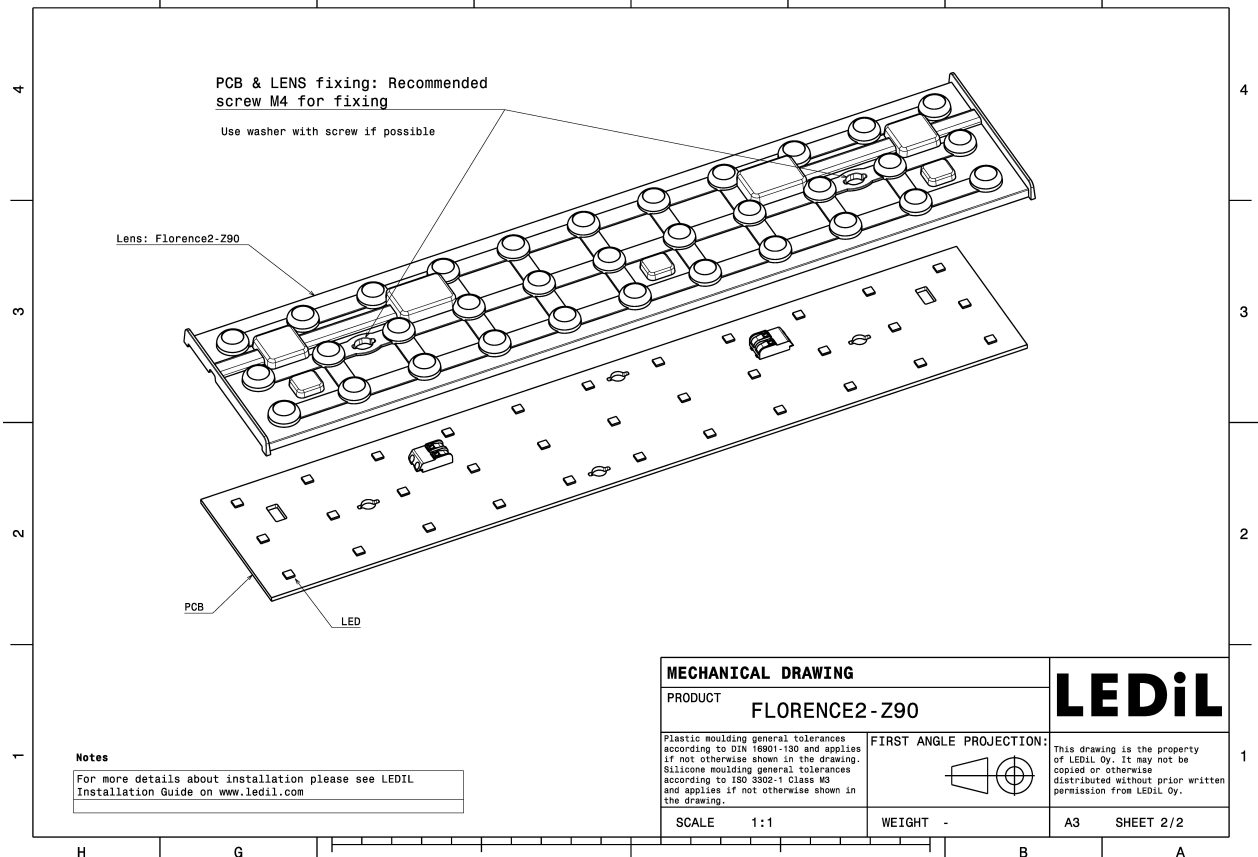
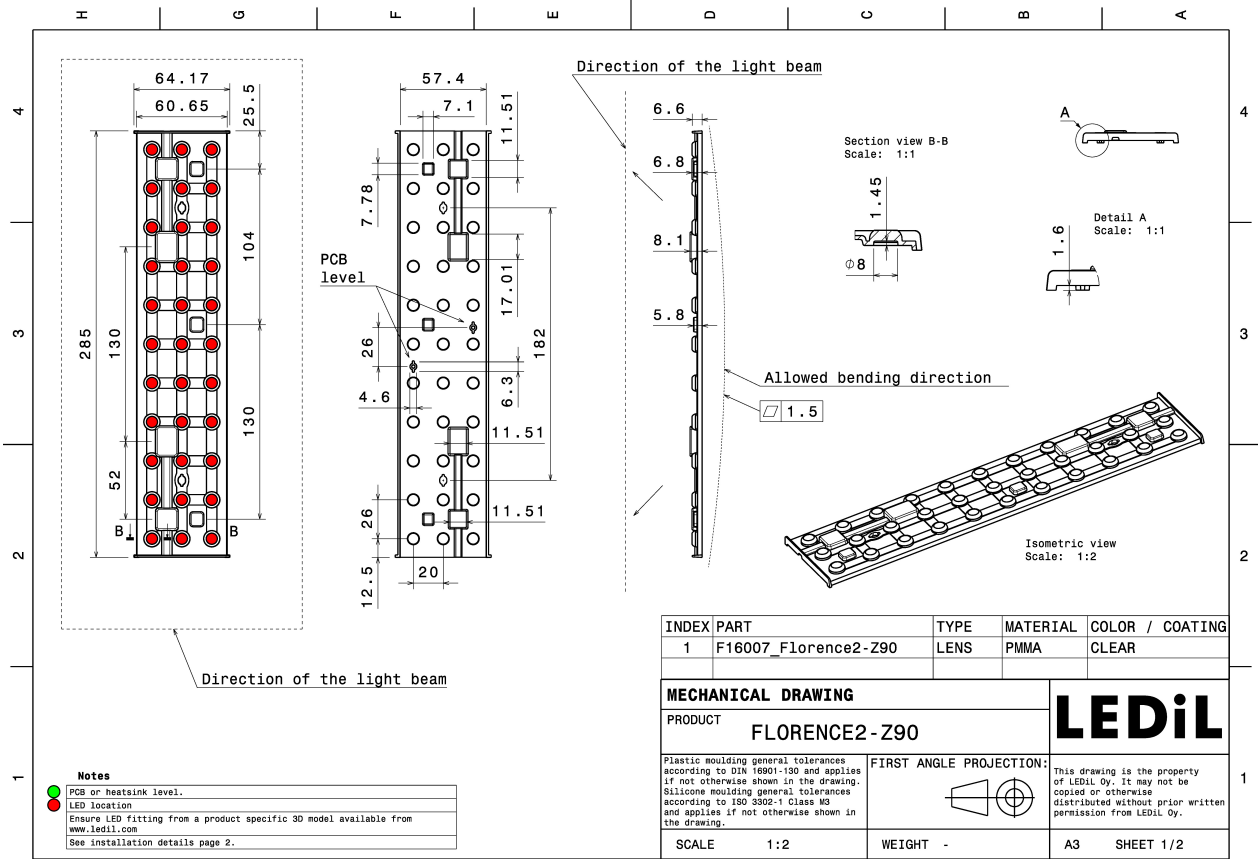
MATERIALS:

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



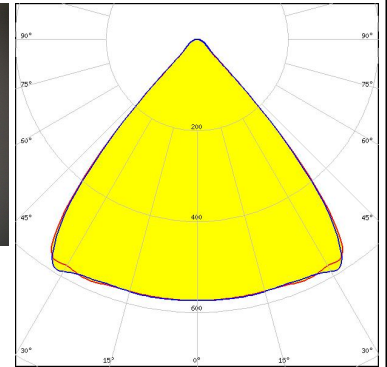


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



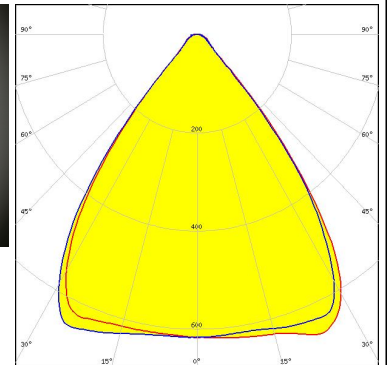
LED J Series 2835
FWHM / FWTM 82.0° / 94.0°
Efficiency 97 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



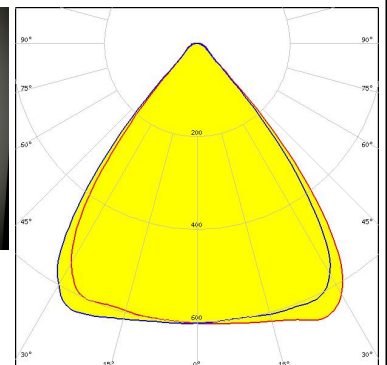
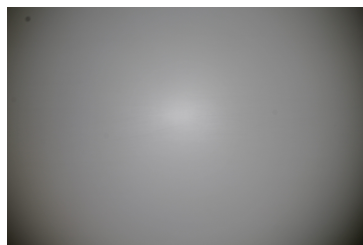
LED LED-Modul 280 x 55 mm 1B
FWHM / FWTM 76.0° / 92.0°
Efficiency 95 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

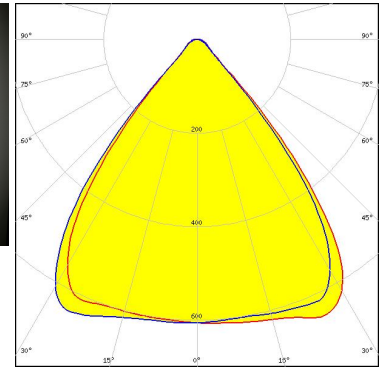


Light distribution files

OPTICAL RESULTS (MEASURED):

FRANK

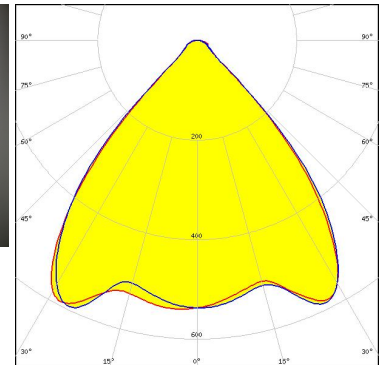
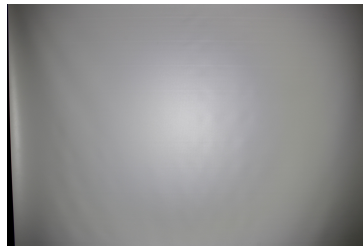
LED LED-Modul 280 x 55 mm 2F
 FWHM / FWTM 77.0° / 92.0°
 Efficiency 95 %
 Peak intensity 0.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

LUMILEDS

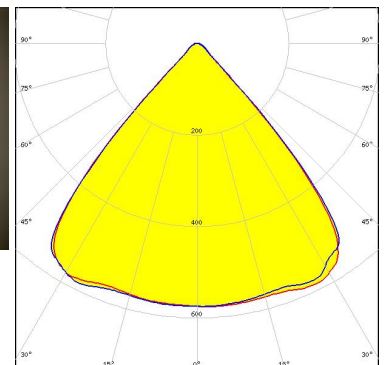
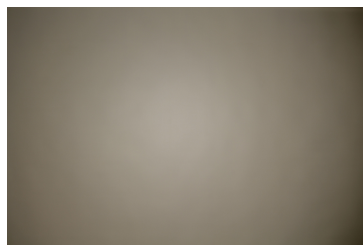
LED LUXEON 5050 Round LES
 FWHM / FWTM 82.0° / 96.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

LUMILEDS

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:

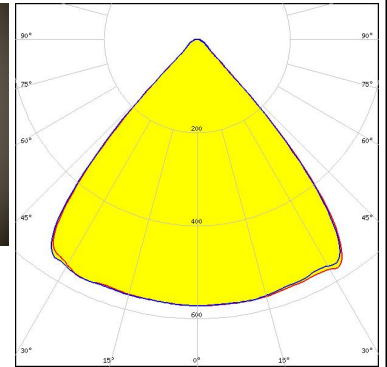
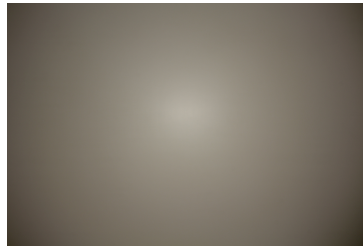


Light distribution files

OPTICAL RESULTS (MEASURED):



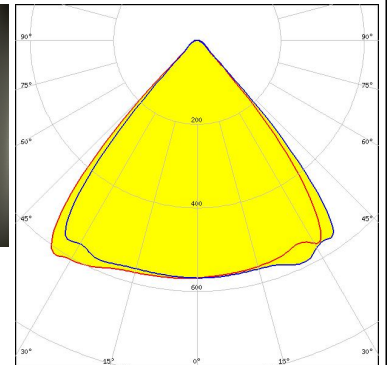
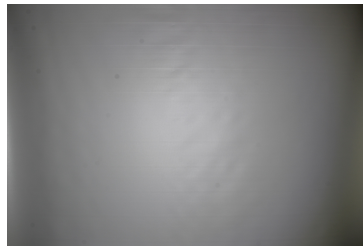
LED NFSW757H
FWHM / FWTM 83.0° / 95.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



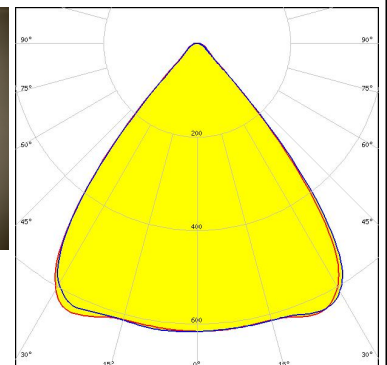
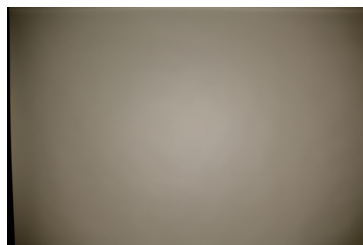
LED PL-BAR-G3 1100 280x55
FWHM / FWTM 82.0° / 94.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED PLG2-BAR-1100-xxx-280x55-DC
FWHM / FWTM 79.0° / 93.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

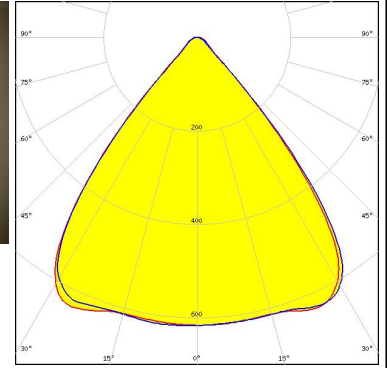


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM

LED PLG2-BAR-2200-xxx-560x55-DC
 FWHM / FWTM 79.0° / 93.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

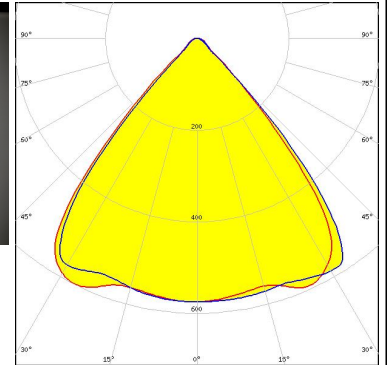
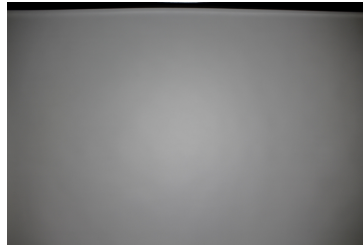


Light distribution files

OSRAM

Opto Semiconductors

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:

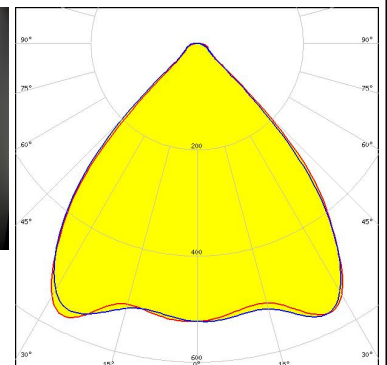
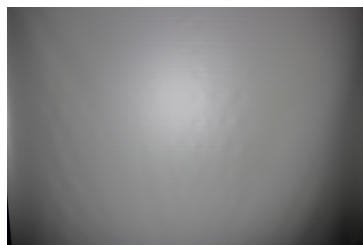


Light distribution files

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:

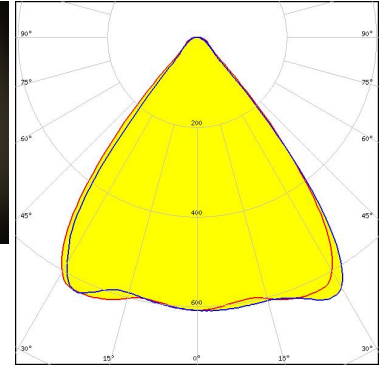
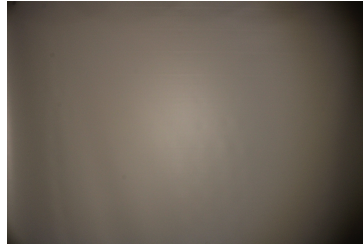


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

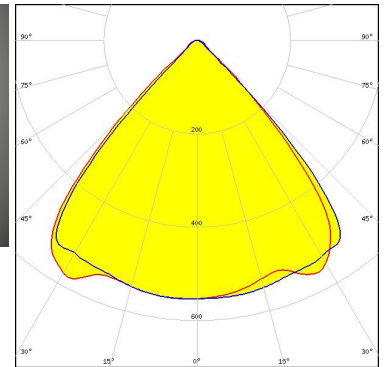
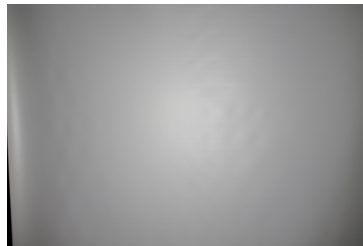
LED Fortimo LED Line VO 1ft MF 3R HV5
FWHM / FWTM 76.0° / 91.0°
Efficiency 96 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

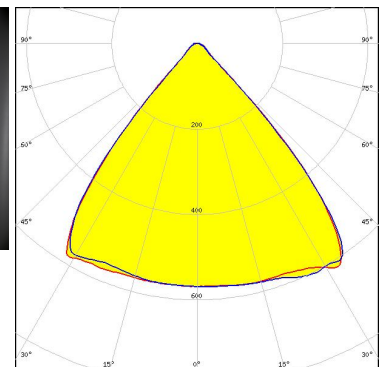
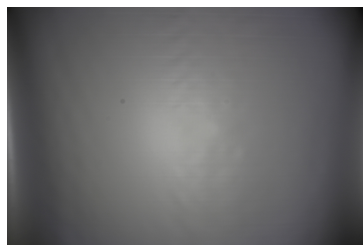
LED Fortimo LED Line 1ft 1100lm 3R HV4
FWHM / FWTM 85.0° / 99.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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:

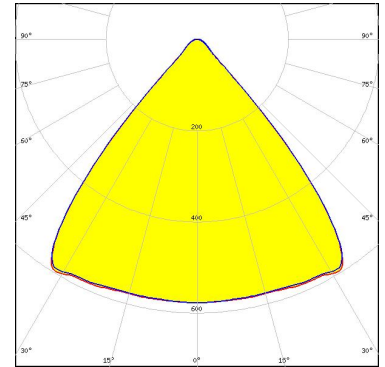


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

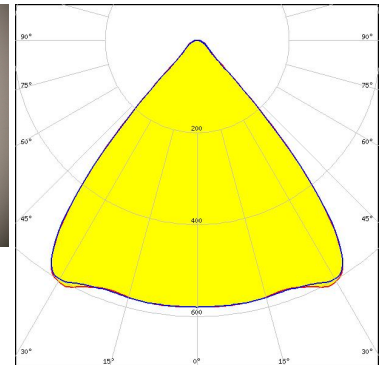
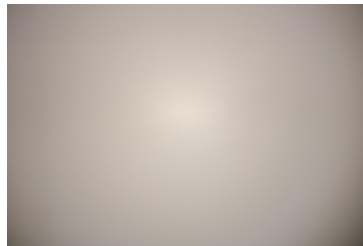
LED Fortimo LED Line 1ft HF 3R HV5
 FWHM / FWTM 81.0° / 93.0°
 Efficiency 96 %
 Peak intensity 0.6 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

PHILIPS

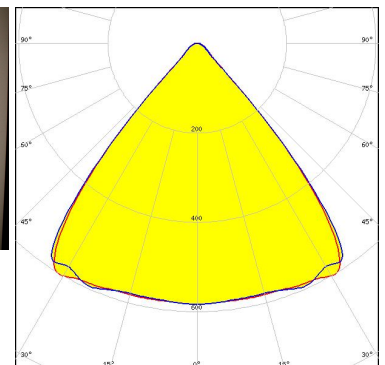
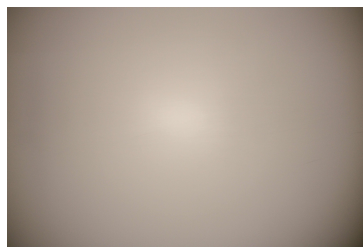
LED Fortimo LED Line 1ft LF 3R HV5 & LV5
 FWHM / FWTM 81.0° / 93.0°
 Efficiency 97 %
 Peak intensity 0.6 cd/m
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

PHILIPS

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

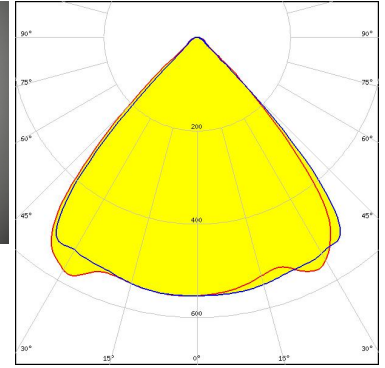


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

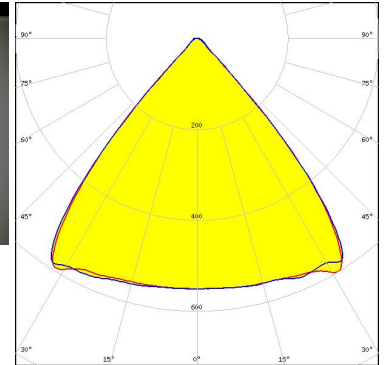
LED Fortimo LED Line 2ft 2200lm 3R HV4
FWHM / FWTM 85.0° / 99.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

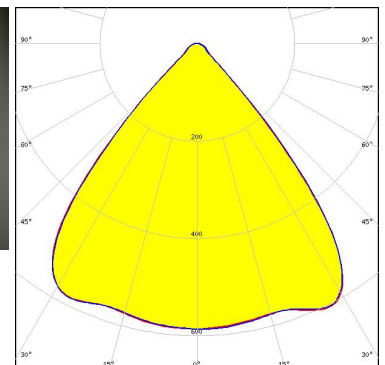
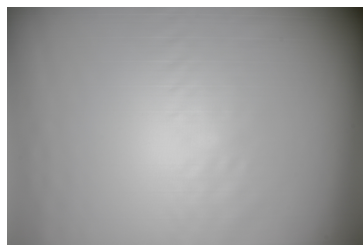
LED LM28xB Series
FWHM / FWTM 82.0° / 92.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

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:

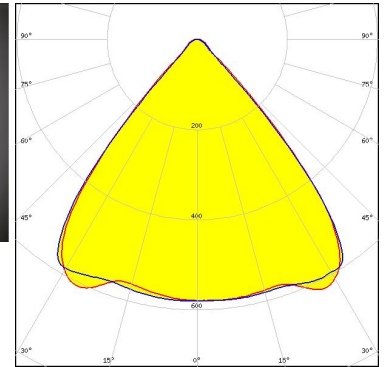


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

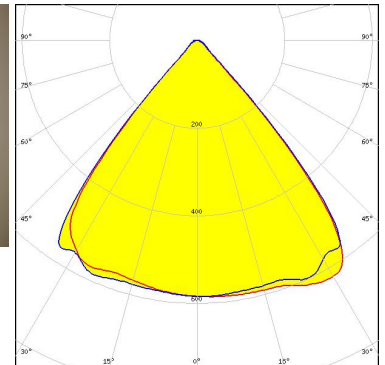
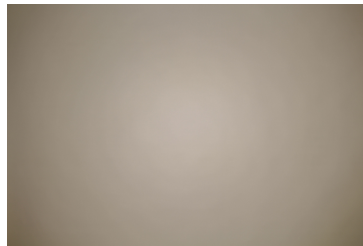
LED LT-R286A
FWHM / FWTM 81.0° / 94.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



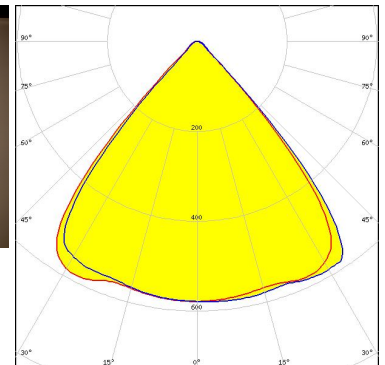
LED SEOUL 3030
FWHM / FWTM 81.0° / 92.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files




LED SEOUL 5630C
FWHM / FWTM 82.0° / 95.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

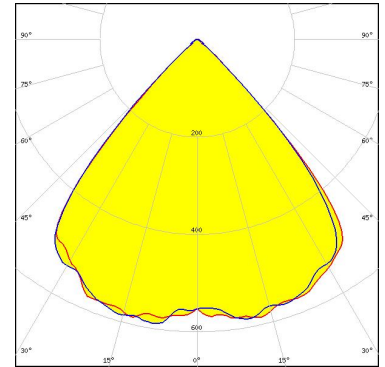
 SEOUL SEMICONDUCTOR		
LED	SEOUL DC 3030	
FWHM / FWTM	81.0° / 92.0°	
Efficiency	94 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour/type	White	
Required components:		

Light distribution files

OPTICAL RESULTS (SIMULATED):



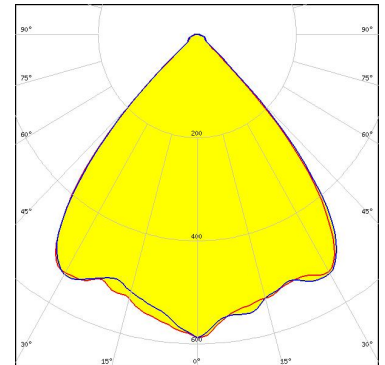
LED J Series 2835
FWHM / FWTM 84.0° / 96.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:



Light distribution files



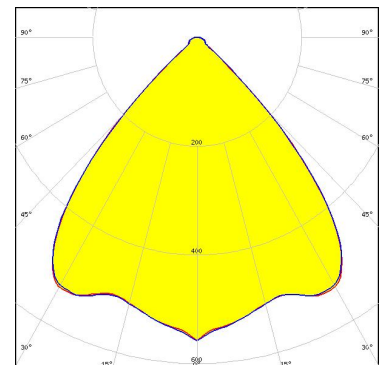
LED LUXEON 5050 Round LES
FWHM / FWTM 84.0° / 97.0°
Efficiency 94 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

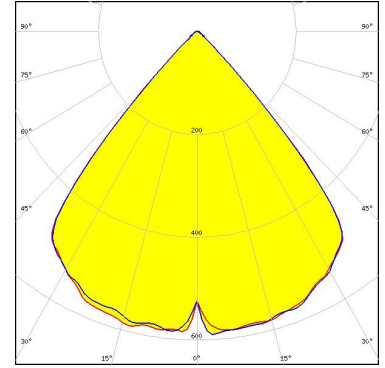


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

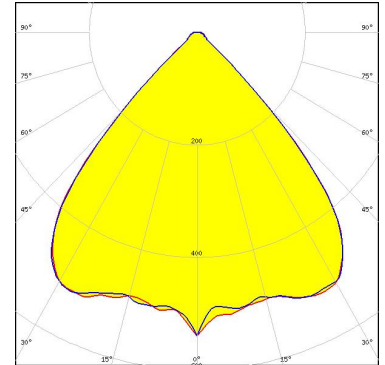
LED LM301B
FWHM / FWTM 84.0° / 94.0°
Efficiency 93 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

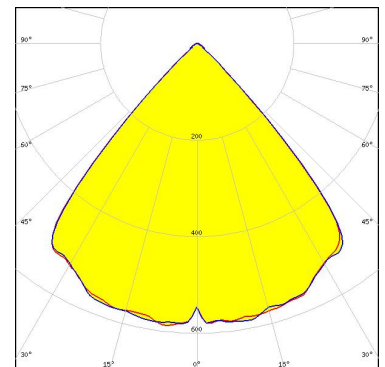
LED LM301B
FWHM / FWTM 86.0° / 100.0°
Efficiency 92 %
Peak intensity 0.6 cd/lm
LEDs/each optic 2
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED 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:

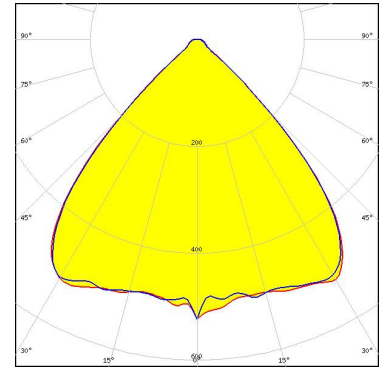


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

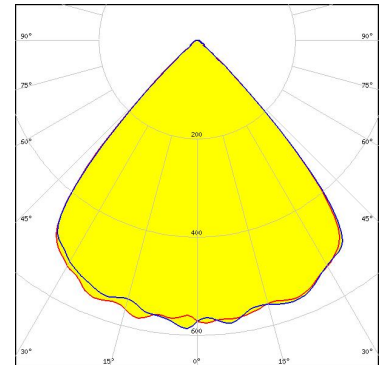
LED LM302Z plus
 FWHM / FWTM 86.0° / 100.0°
 Efficiency 92 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 2
 Light colour/type White
 Required components:



Light distribution files



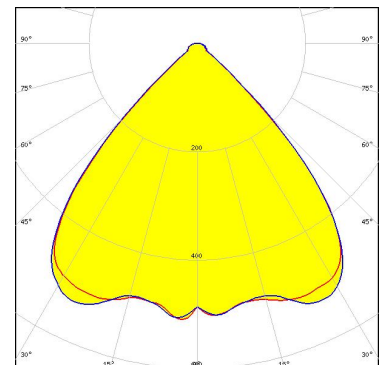
LED SEOUL DC 3030C
 FWHM / FWTM 84.0° / 96.0°
 Efficiency 94 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

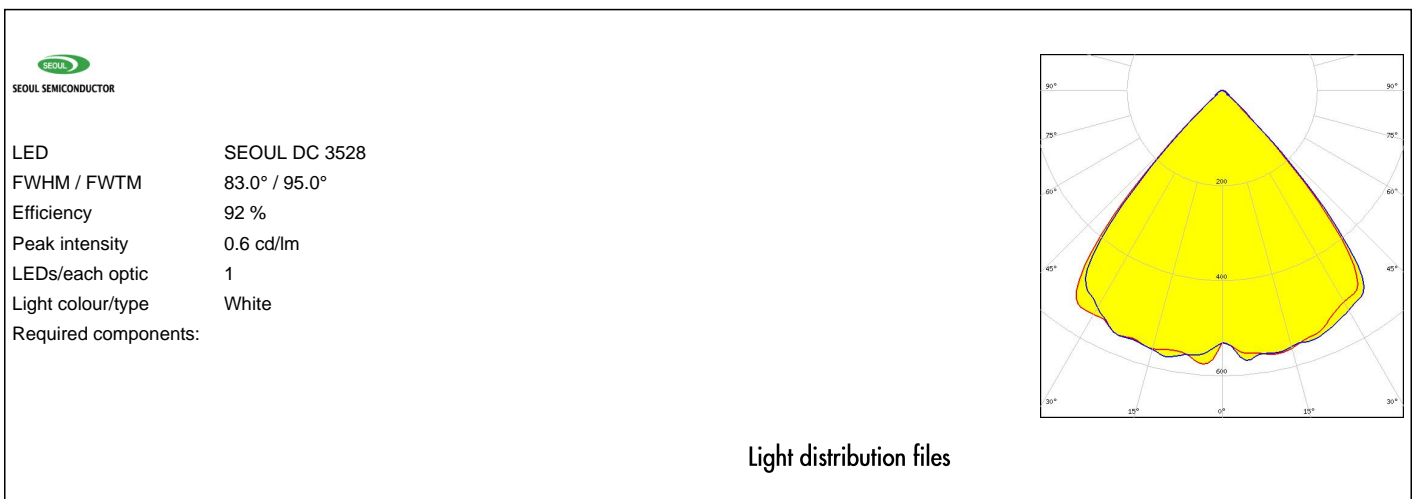
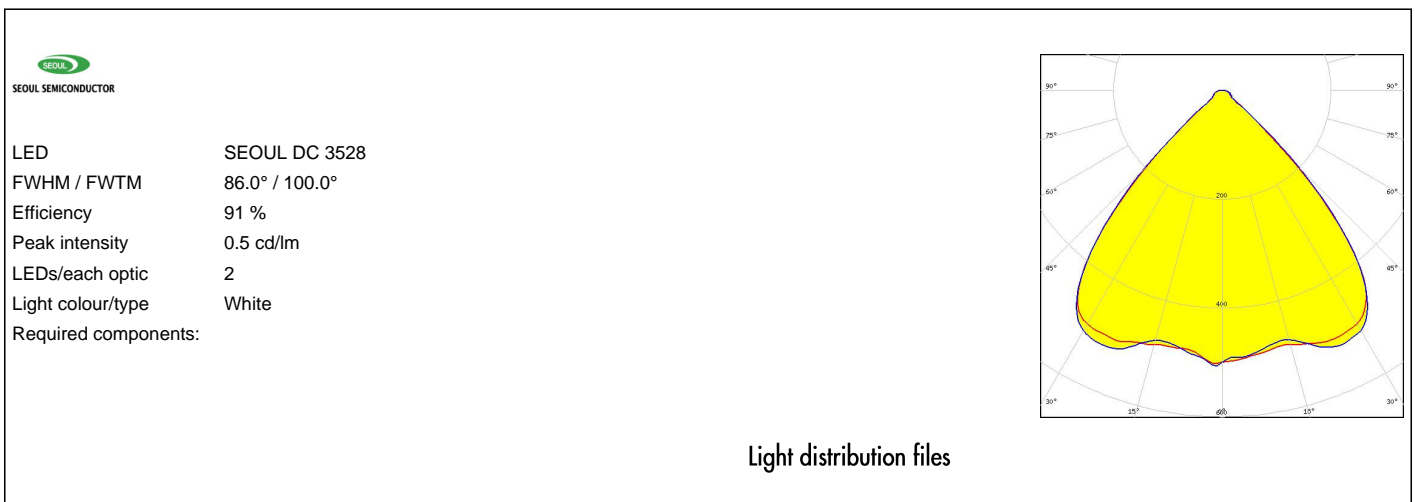
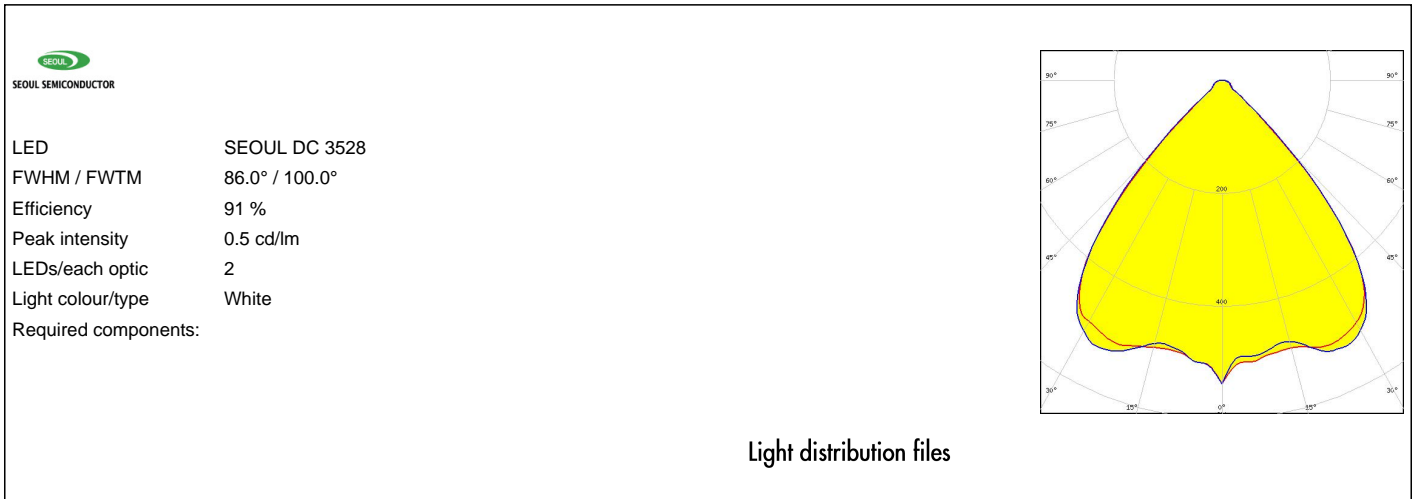


LED SEOUL DC 3528
 FWHM / FWTM 86.0° / 100.0°
 Efficiency 91 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 2
 Light colour/type White
 Required components:

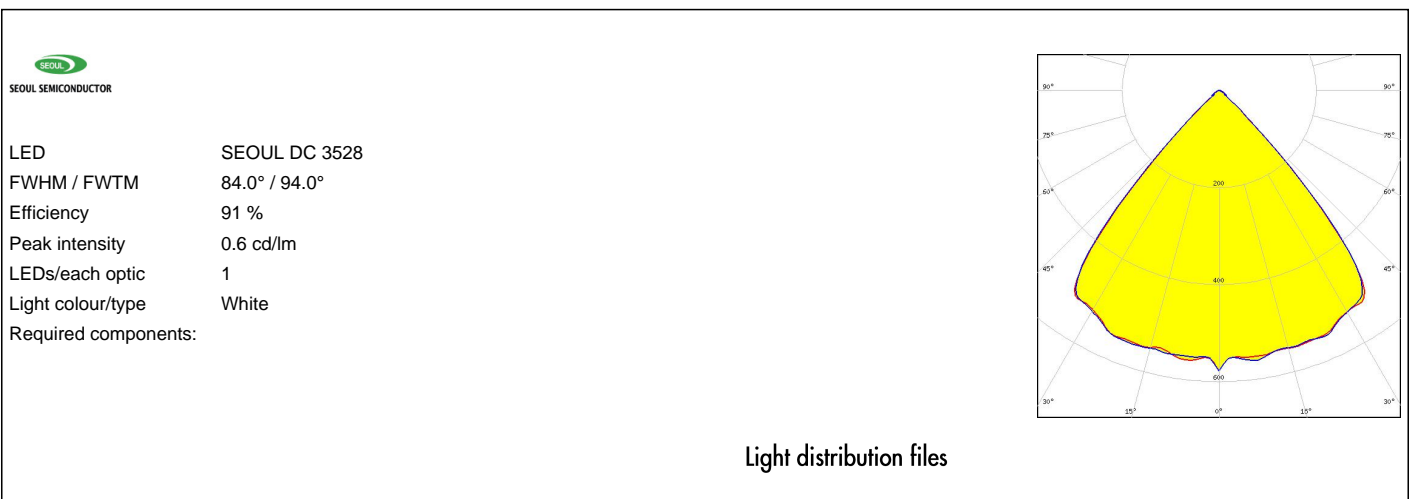
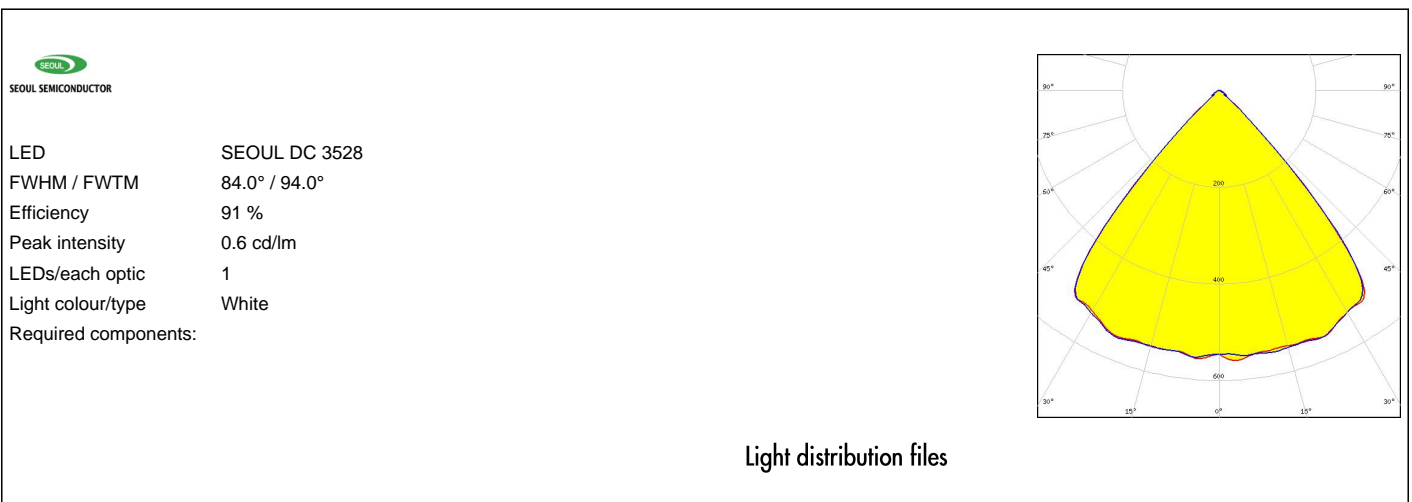
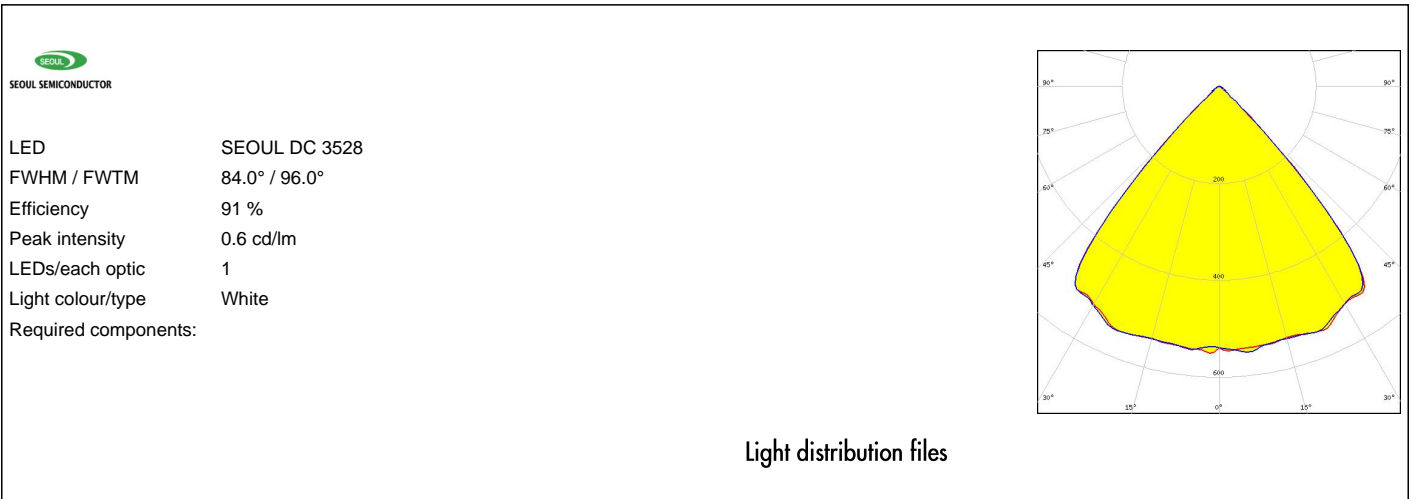


Light distribution files

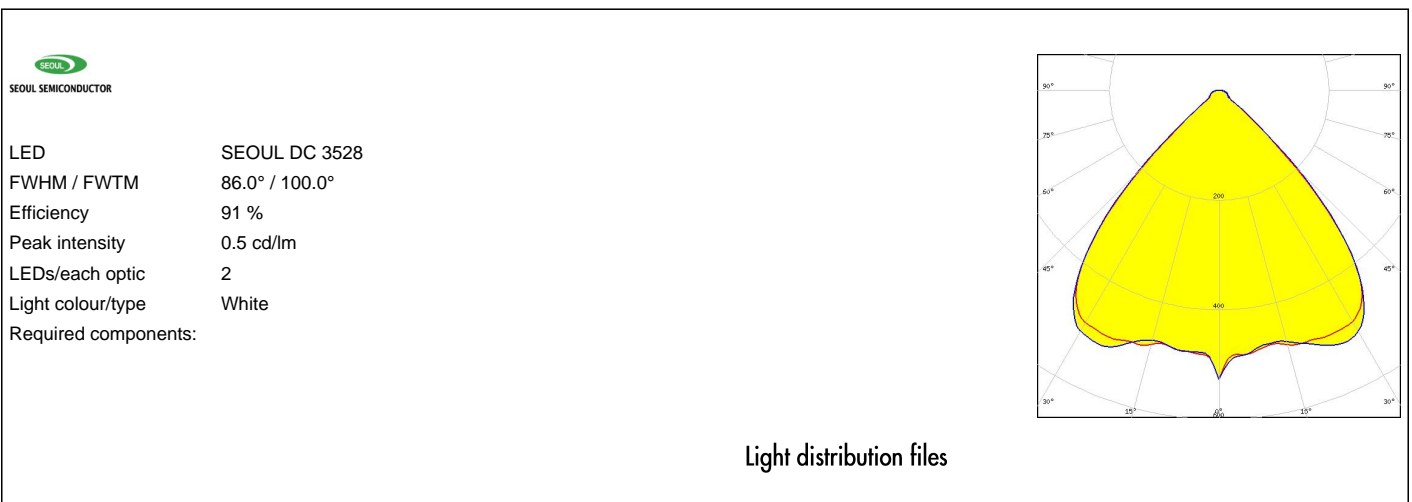
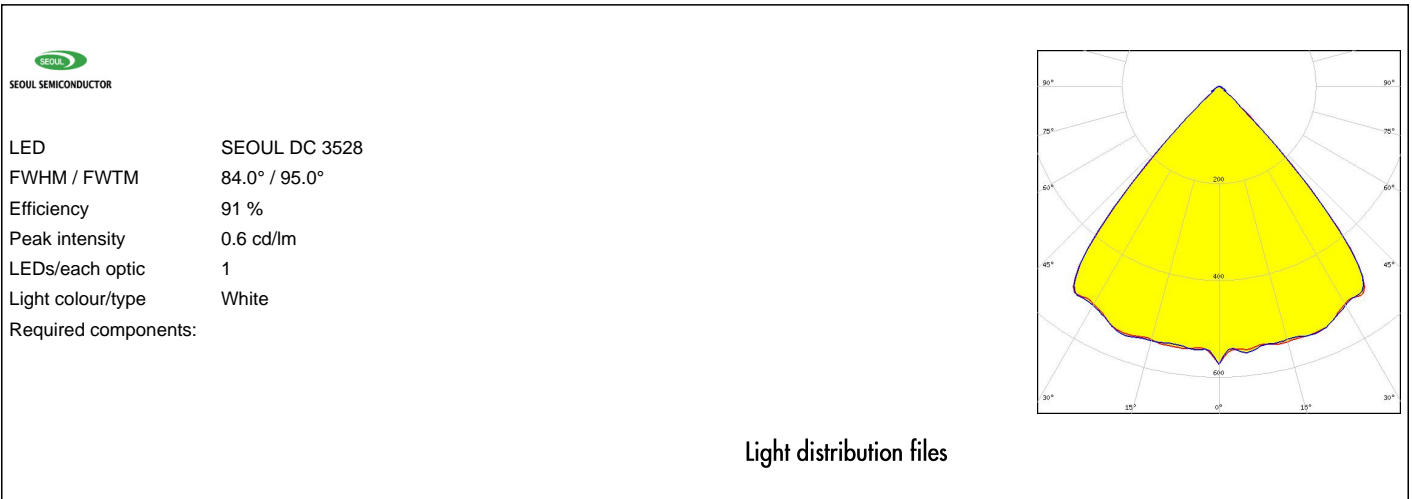
OPTICAL RESULTS (SIMULATED):



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.

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)