

LINNEA-60

~60° + 90° beam optimized for 1.0 mm metal sheet or profile. Variant made from PC.

SPECIFICATION:

Dimensions	285.0 x 40.0
Height	9.5 mm
ROHS compliant	yes ⓘ

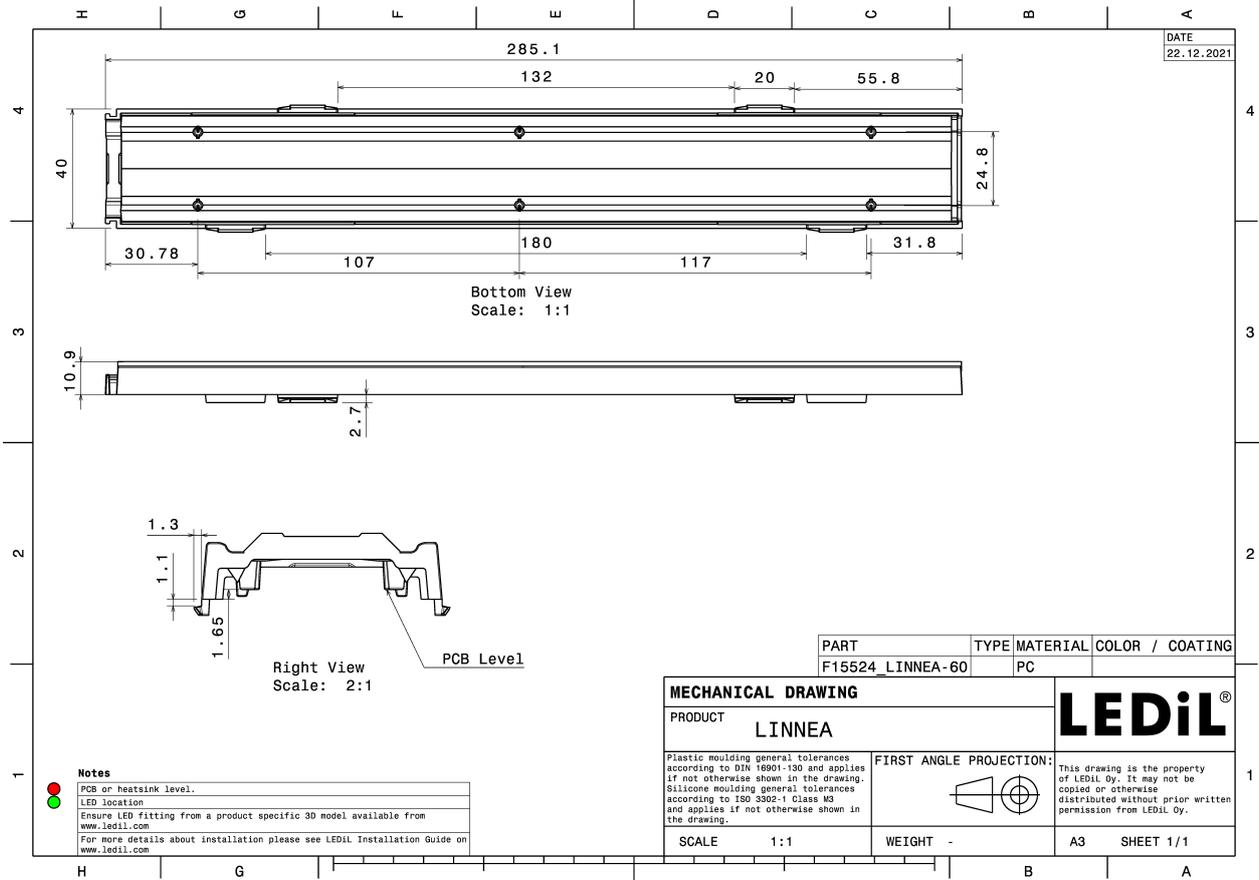


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LINNEA-60	Linear lens	PC	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F15524_LINNEA-60 » Box size: 398 x 298 x 265 mm	153	36	9	8.3

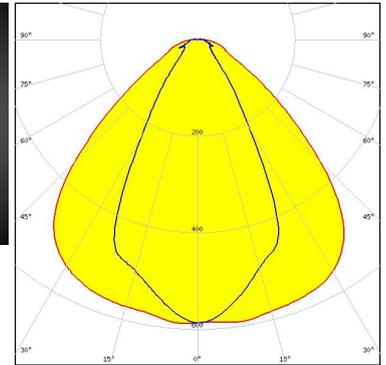
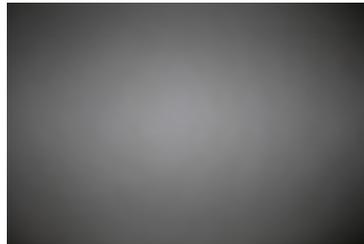


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



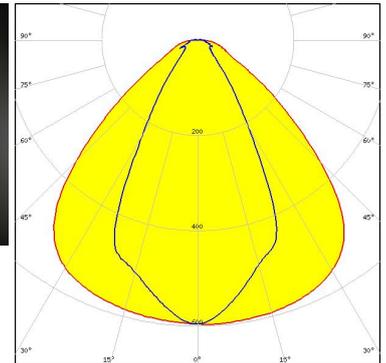
LED CALOSNU405-M7W1
FWHM / FWTM 96.0 + 55.0° / 141.0 + 87.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



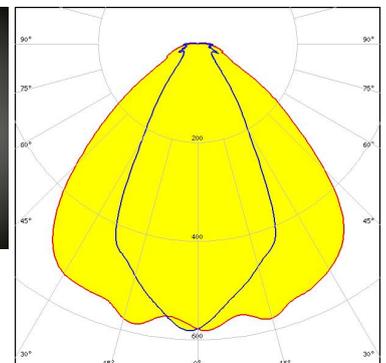
LED CALOSNU410-M7W1
FWHM / FWTM 95.0 + 55.0° / 139.0 + 86.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-E
FWHM / FWTM 96.0 + 54.0° / 139.0 + 86.0°
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

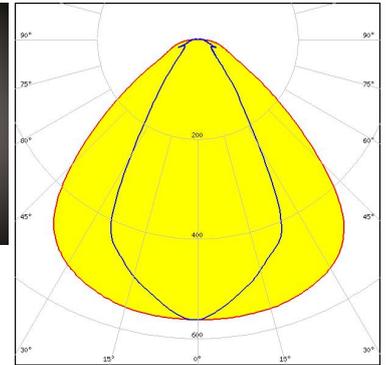


Light distribution files

OPTICAL RESULTS (MEASURED):

Helvar

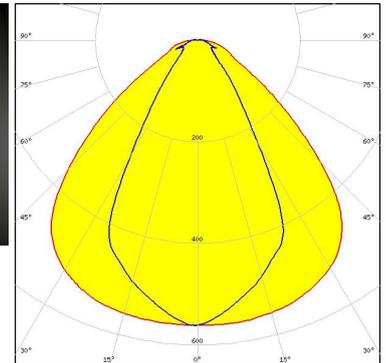
LED L-iC-282-827-865-011A
FWHM / FWTM 97.0 + 58.0° / 142.0 + 91.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Helvar

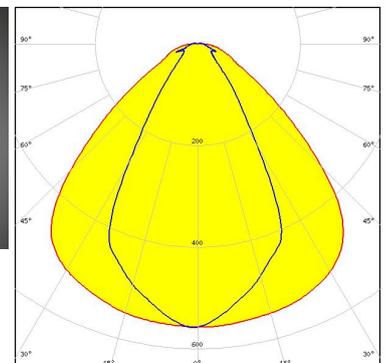
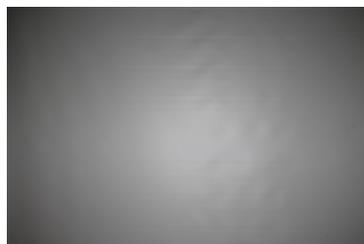
LED LP-282-840-009A 60/300
FWHM / FWTM 97.0 + 58.0° / 142.0 + 91.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

Helvar

LED LS-282-840-011A
FWHM / FWTM 97.0 + 58.0° / 145.0 + 91.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

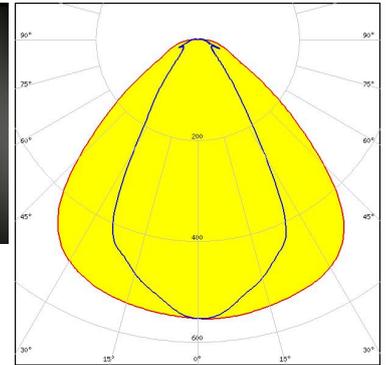


Light distribution files

OPTICAL RESULTS (MEASURED):

Helvar

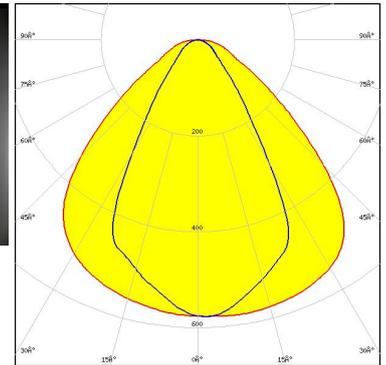
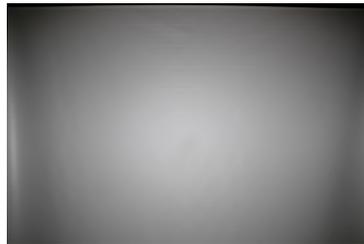
LED LX-282-840-023A
 FWHM / FWTM 96.0 + 59.0° / 144.0 + 92.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

inventronics

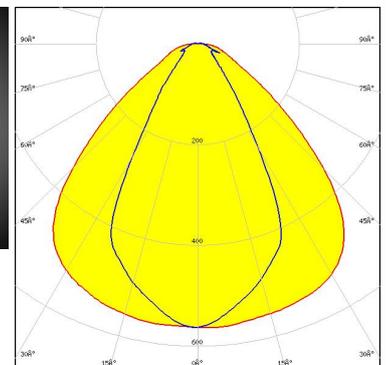
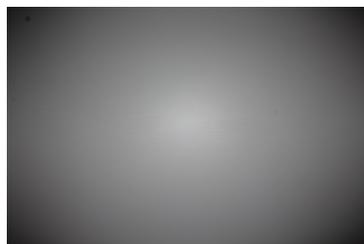
LED PL-LIN-IND-Z1 2800 560x24
 FWHM / FWTM 96.0 + 60.0° / 144.0 + 96.0°
 Efficiency 88 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

inventronics

LED PL-LIN-Z5 1100 280x20
 FWHM / FWTM 97.0 + 58.0° / 143.0 + 91.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

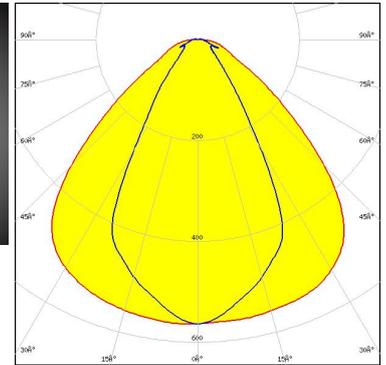
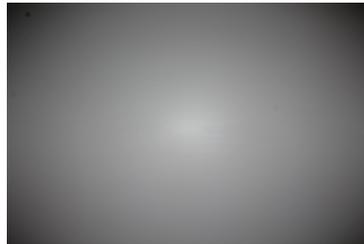


Light distribution files

OPTICAL RESULTS (MEASURED):

inventronics

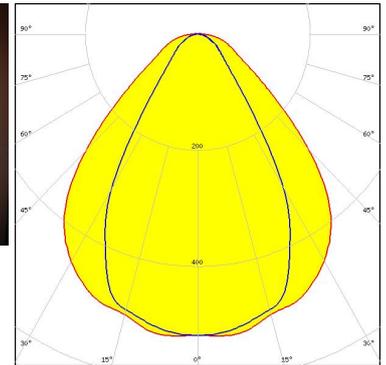
LED PL-LIN-Z5 2000 280x20
 FWHM / FWTM 97.0 + 58.0° / 143.0 + 91.0°
 Efficiency 84 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

LUMITRONIX®
 High-Performance LED-Technologies & Solutions

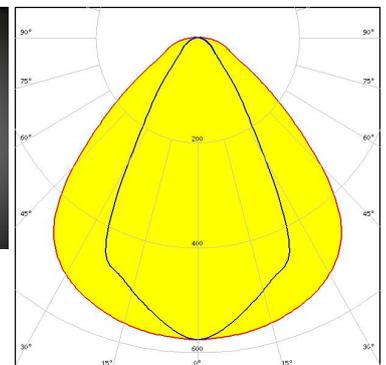
LED LinearZ 280-112 Circadian TW
 FWHM / FWTM 92.0 + 64.0° / 147.0 + 104.0°
 Efficiency 85 %
 Peak intensity 0.5 cd/lm
 LEDs/each optic 1
 Light colour/type Tunable White
 Required components:



Light distribution files

LUMITRONIX®
 High-Performance LED-Technologies & Solutions

LED LinearZ 280-26
 FWHM / FWTM 96.0 + 59.0° / 145.0 + 92.0°
 Efficiency 85 %
 Peak intensity 0.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

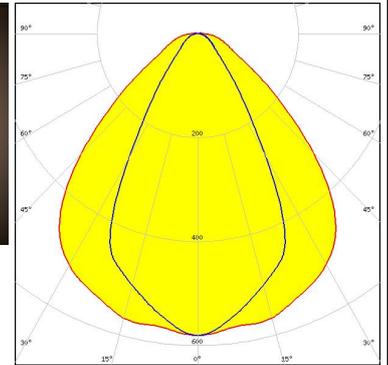


Light distribution files

OPTICAL RESULTS (MEASURED):



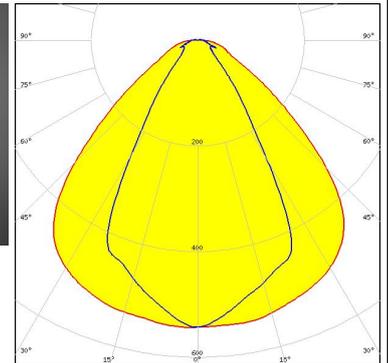
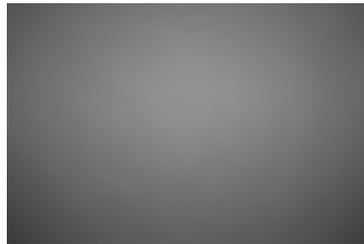
LED LinearZ 280-40 TW
FWHM / FWTM 94.0 + 59.0° / 142.0 + 92.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type Tunable White
Required components:



Light distribution files



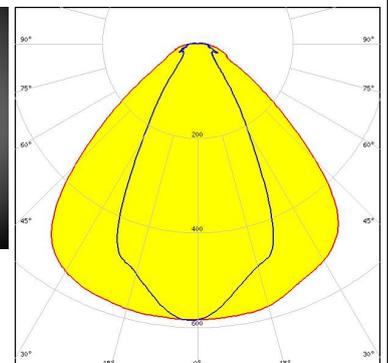
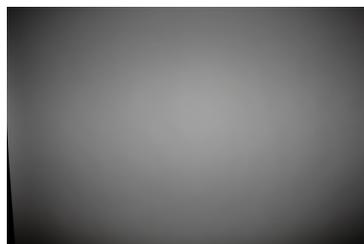
LED LinLED 280x24mm 1100lm 830 2C 30V LINNEA-GC G1
FWHM / FWTM 96.0 + 59.0° / 143.0 + 89.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NF2x757G
FWHM / FWTM 96.0 + 54.0° / 141.0 + 87.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

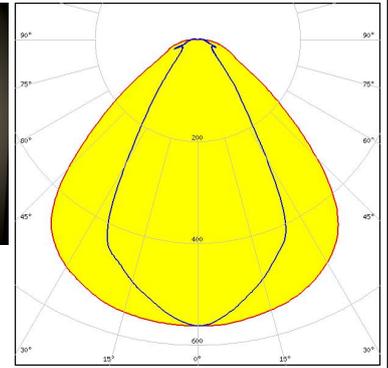
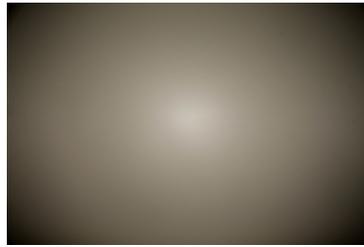


Light distribution files

OPTICAL RESULTS (MEASURED):



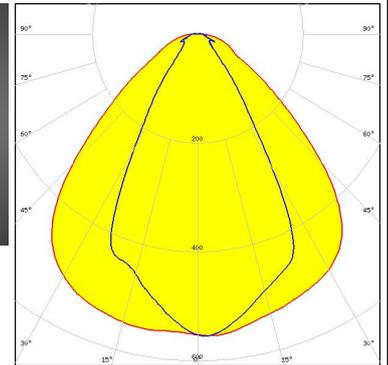
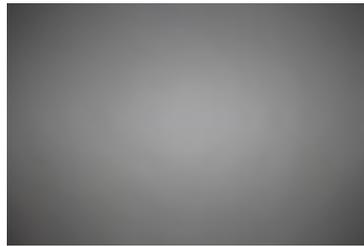
LED NFSW757H
FWHM / FWTM 96.0 + 60.0° / 145.0 + 93.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



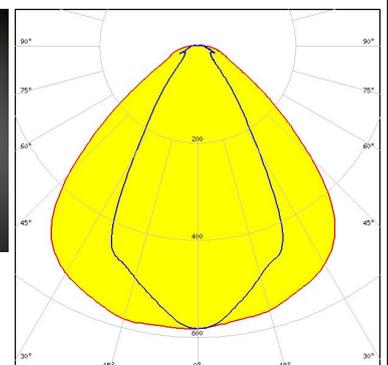
LED NFSx757G
FWHM / FWTM 96.0 + 59.0° / 145.0 + 88.0°
Efficiency 83 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED DURIS S5 (2 chip)
FWHM / FWTM 95.0 + 57.0° / 140.0 + 88.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

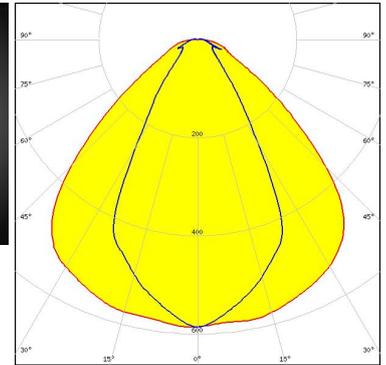


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

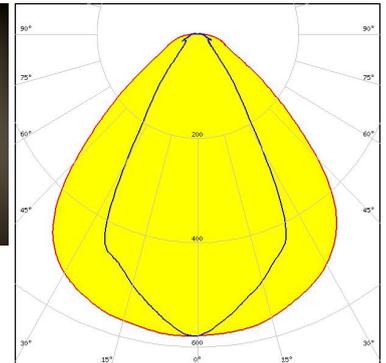
LED DURIS S5 (Single chip)
FWHM / FWTM 96.0 + 57.0° / 143.0 + 91.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

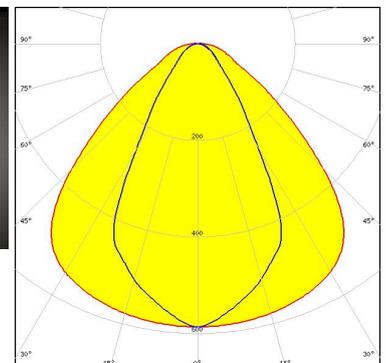
LED Fortimo LED Strip 1ft 1100lm FC HV4 & LV4
FWHM / FWTM 95.0 + 59.0° / 141.0 + 88.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

LED Fortimo LED Strip 1ft 1100lm FC HV5 & LV5
FWHM / FWTM 97.0 + 58.0° / 145.0 + 95.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

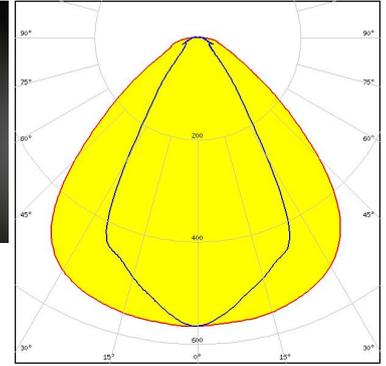


Light distribution files

OPTICAL RESULTS (MEASURED):

PHILIPS

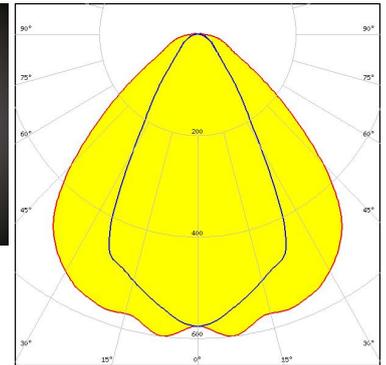
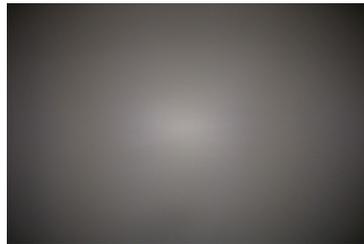
LED Fortimo LED Strip 1ft 650lm FC HV4 & LV4
FWHM / FWTM 95.0 + 59.0° / 139.0 + 89.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

PHILIPS

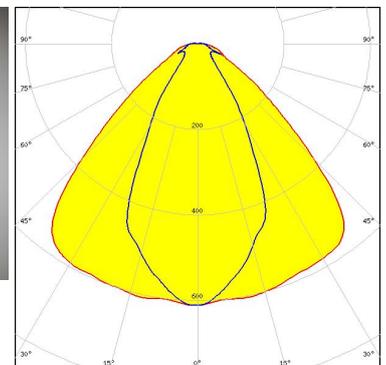
LED Fortimo LED Strip 1ft 650lm FC HV5 & LV5
FWHM / FWTM 96.0 + 58.0° / 143.0 + 94.0°
Efficiency 87 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LM28xB Series
FWHM / FWTM 95.0 + 53.0° / 136.0 + 106.0°
Efficiency 84 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

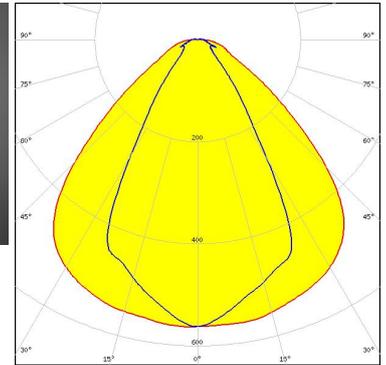
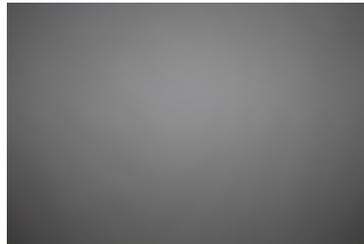


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

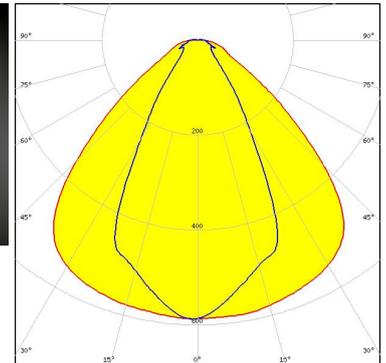
LED LM561B Plus
FWHM / FWTM 96.0 + 59.0° / 143.0 + 89.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

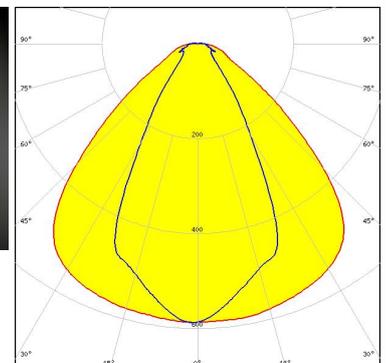
LED LT-H282C
FWHM / FWTM 96.0 + 55.0° / 141.0 + 87.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LT-H562C
FWHM / FWTM 96.0 + 55.0° / 141.0 + 87.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

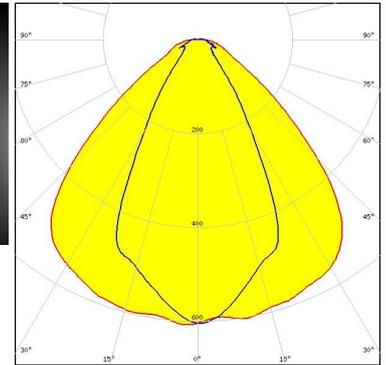


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

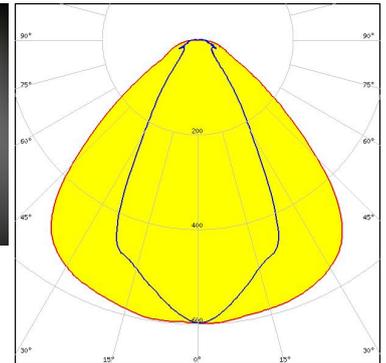
LED LT-Q282B
FWHM / FWTM 95.0 + 54.0° / 138.0 + 86.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

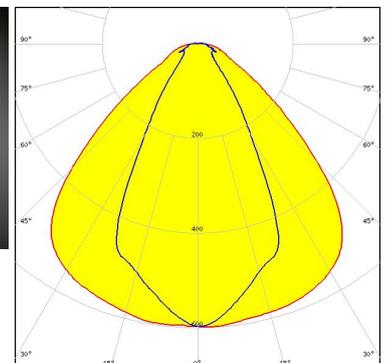
LED LT-S282H
FWHM / FWTM 96.0 + 54.0° / 140.0 + 86.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

LED LT-S562H
FWHM / FWTM 96.0 + 54.0° / 140.0 + 86.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

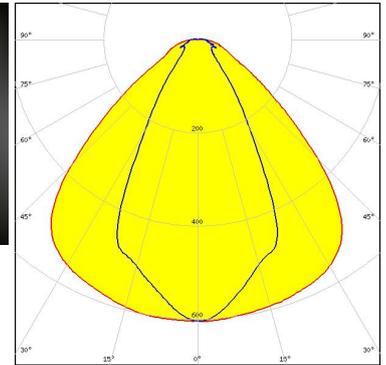
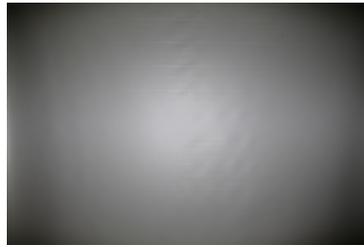


Light distribution files

OPTICAL RESULTS (MEASURED):

SAMSUNG

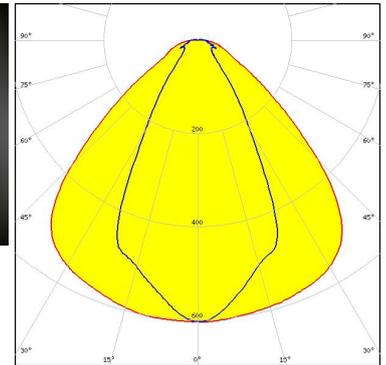
LED LT-V282E
FWHM / FWMTM 96.0 + 54.0° / 140.0 + 86.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

SAMSUNG

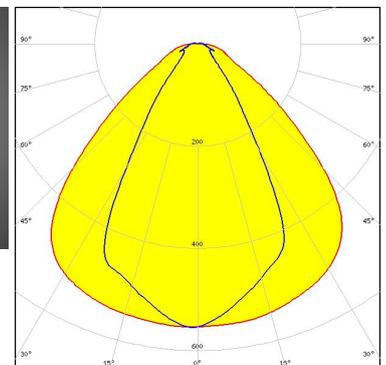
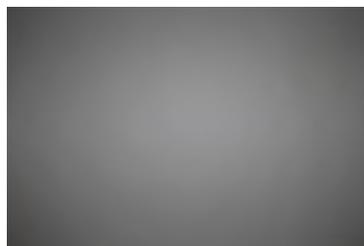
LED LT-V562E
FWHM / FWMTM 96.0 + 54.0° / 140.0 + 86.0°
Efficiency 86 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

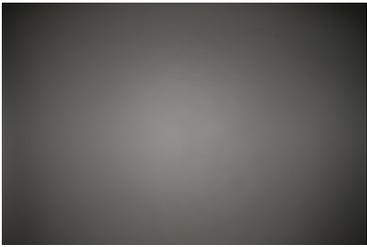
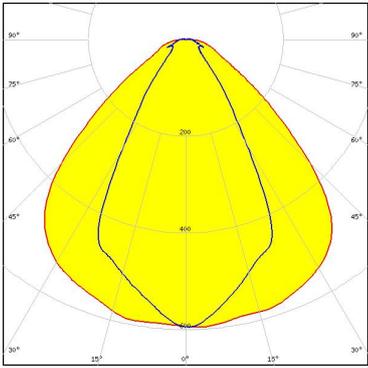


LED SEOUL 5630D
FWHM / FWMTM 73.0° / 112.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

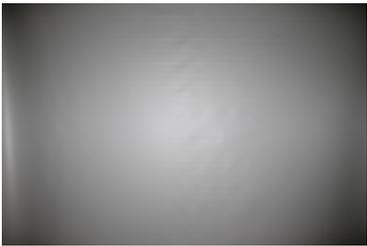
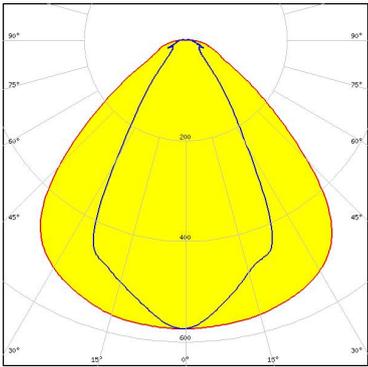


Light distribution files

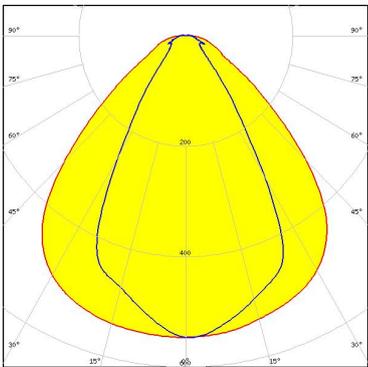
OPTICAL RESULTS (MEASURED):

			
LED	SEOUL DC 3030		
FWHM / FWTM	96.0 + 57.0° / 139.0 + 88.0°		
Efficiency	86 %		
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:			

Light distribution files

<h2>TRIDONIC</h2>			
LED	LLE G4 24x280mm 1250lm		
FWHM / FWTM	96.0 + 58.0° / 141.0 + 88.0°		
Efficiency	85 %		
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:			

Light distribution files

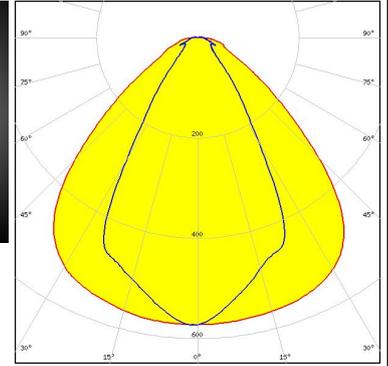
<h2>TRIDONIC</h2>			
LED	LLE G4 24x280mm 2000lm ADV		
FWHM / FWTM	95.0 + 60.0° / 143.0 + 91.0°		
Efficiency	85 %		
Peak intensity	0.6 cd/lm		
LEDs/each optic	1		
Light colour/type	White		
Required components:			

Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

LED LLE G4 24x280mm 650lm
FWHM / FWTM 95.0 + 59.0° / 140.0 + 89.0°
Efficiency 85 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

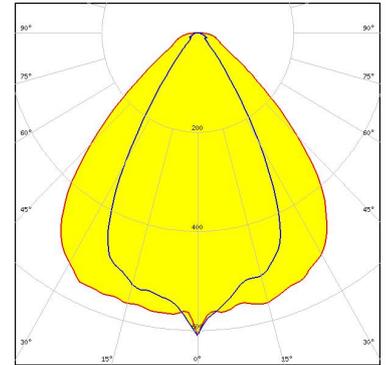


Light distribution files

OPTICAL RESULTS (SIMULATED):



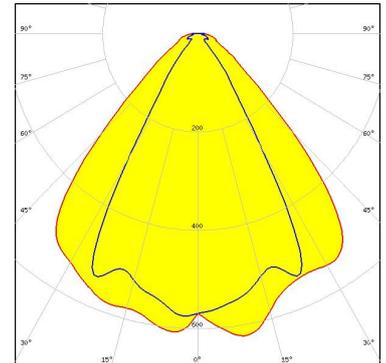
LED Bridgelux SMD 2835
FWHM / FWTM 90.0 + 58.0° / 127.0 + 82.0°
Efficiency 81 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



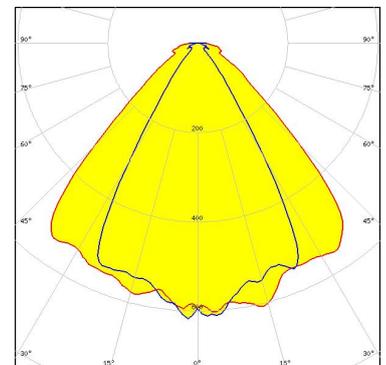
LED LUXEON 3030 2D (Round LES)
FWHM / FWTM 89.0 + 60.0° / 125.0 + 80.0°
Efficiency 84 %
Peak intensity 0.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

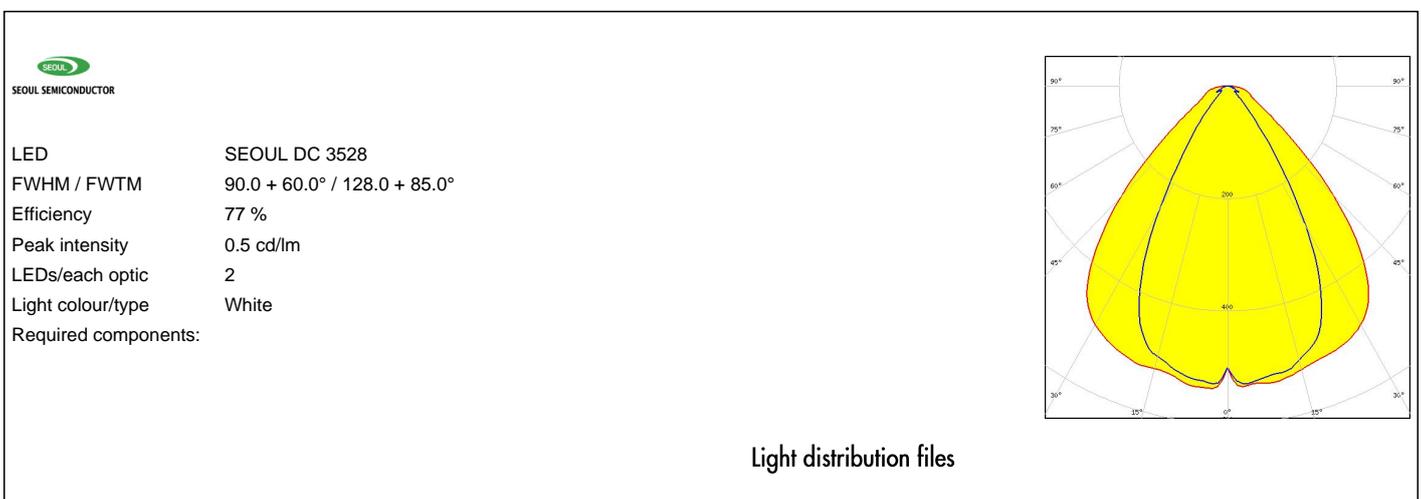
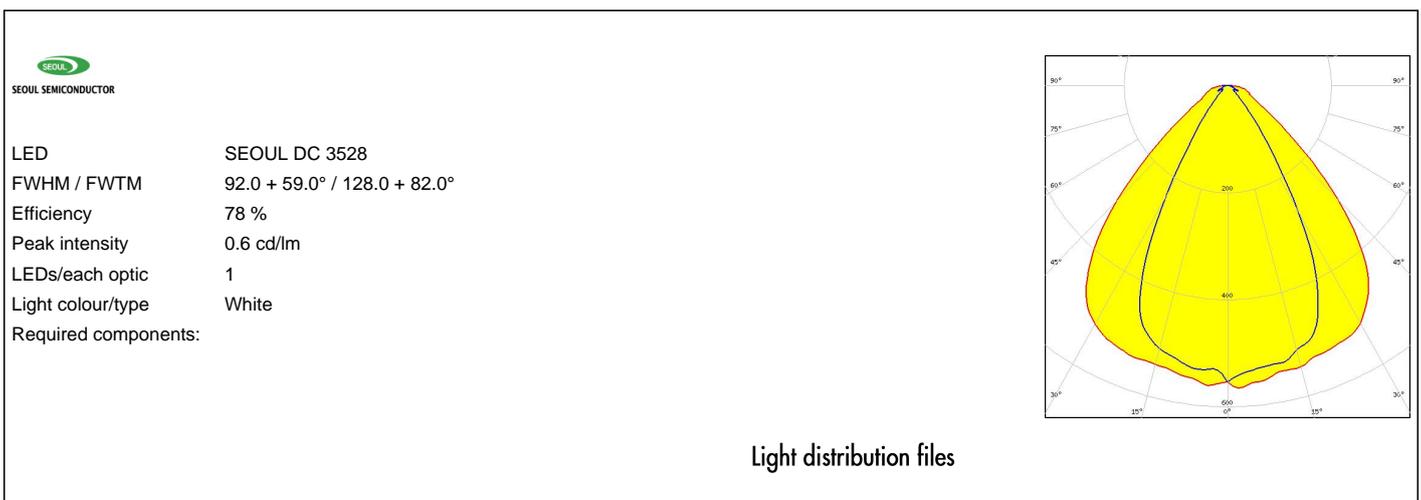
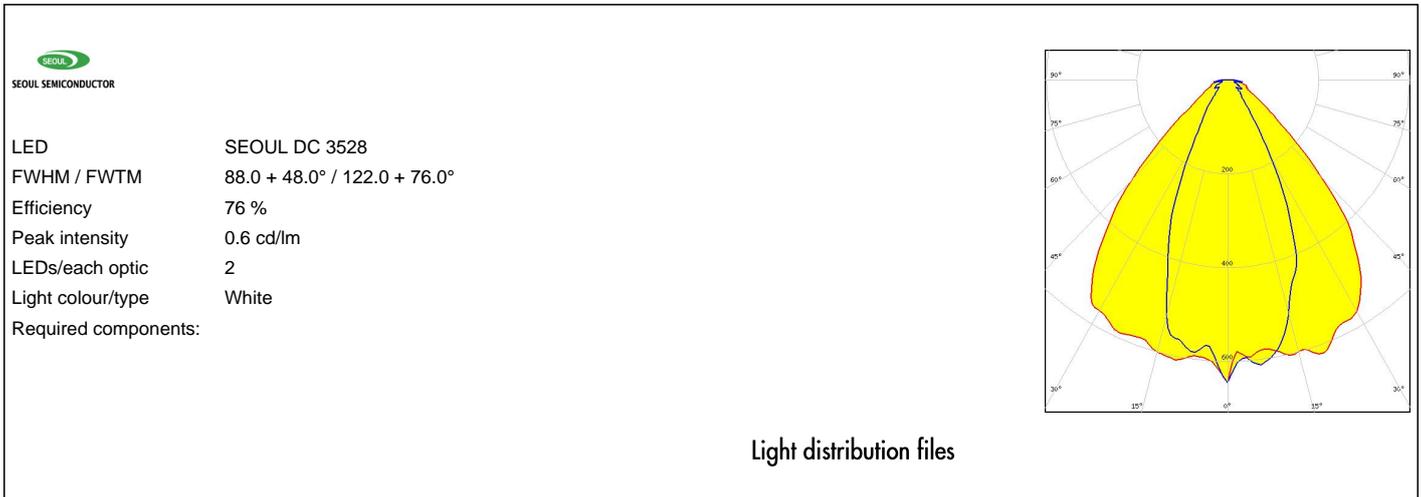


LED SEOUL DC 3030C
FWHM / FWTM 92.0 + 60.0° / 134.0 + 80.0°
Efficiency 85 %
Peak intensity 0.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

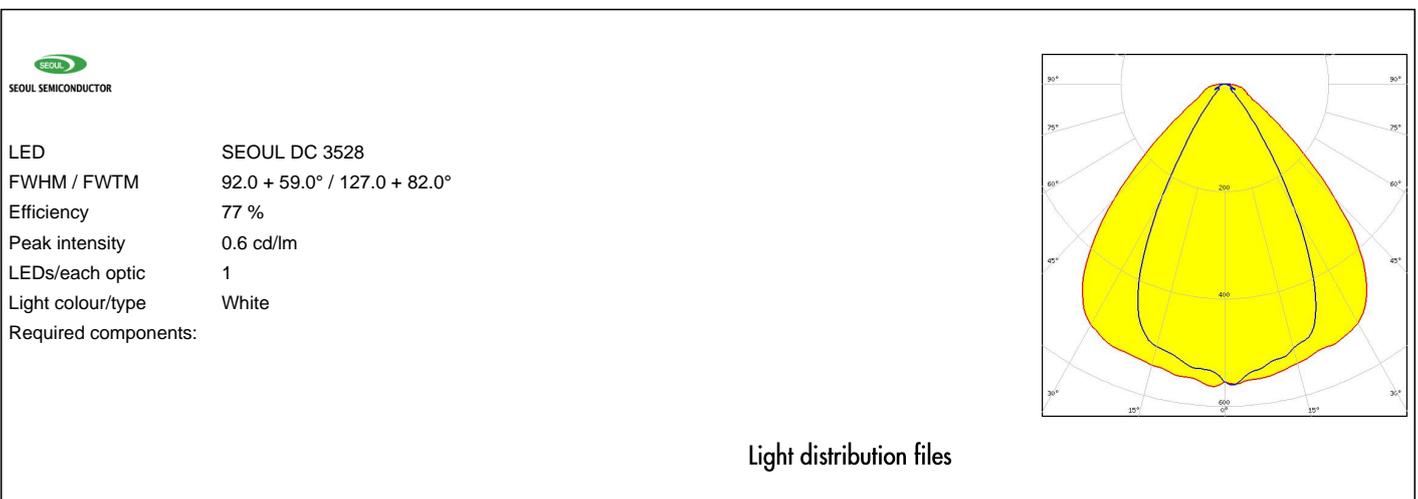
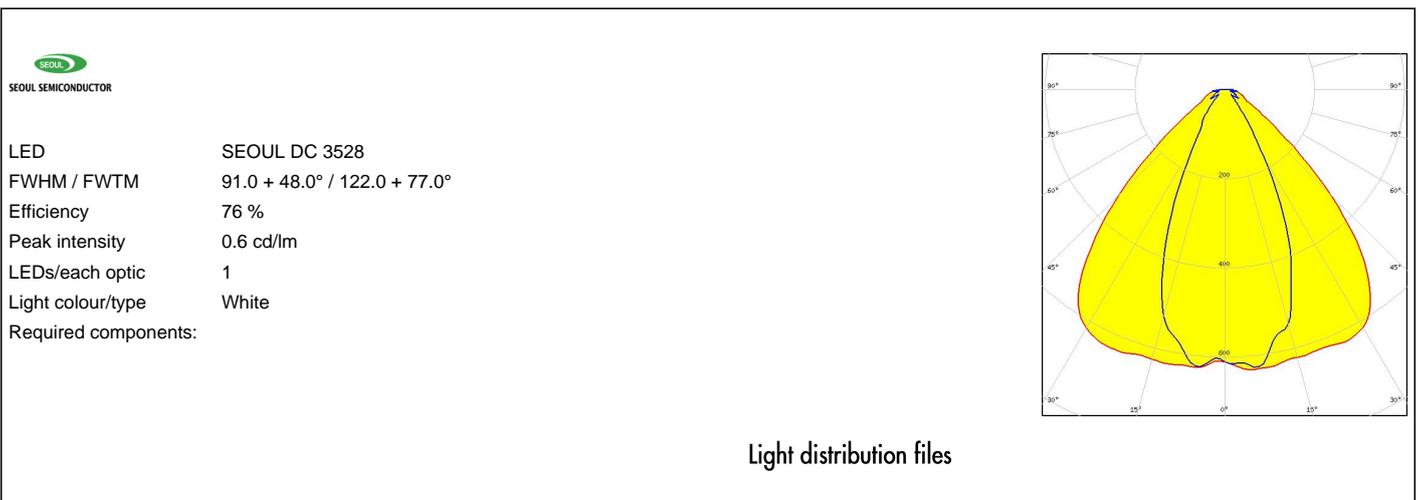
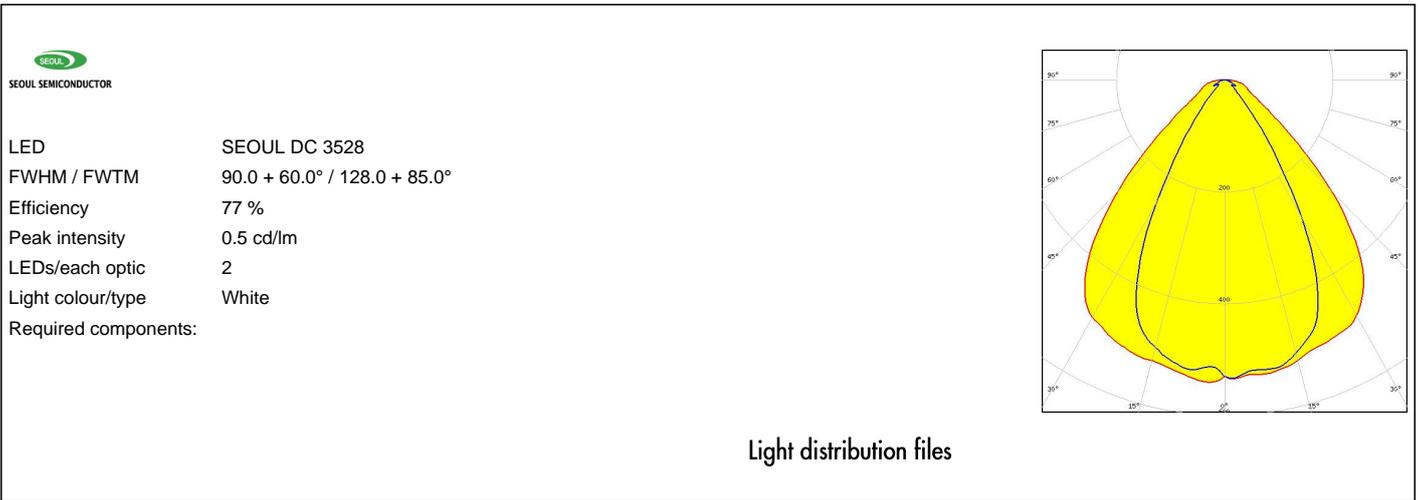


Light distribution files

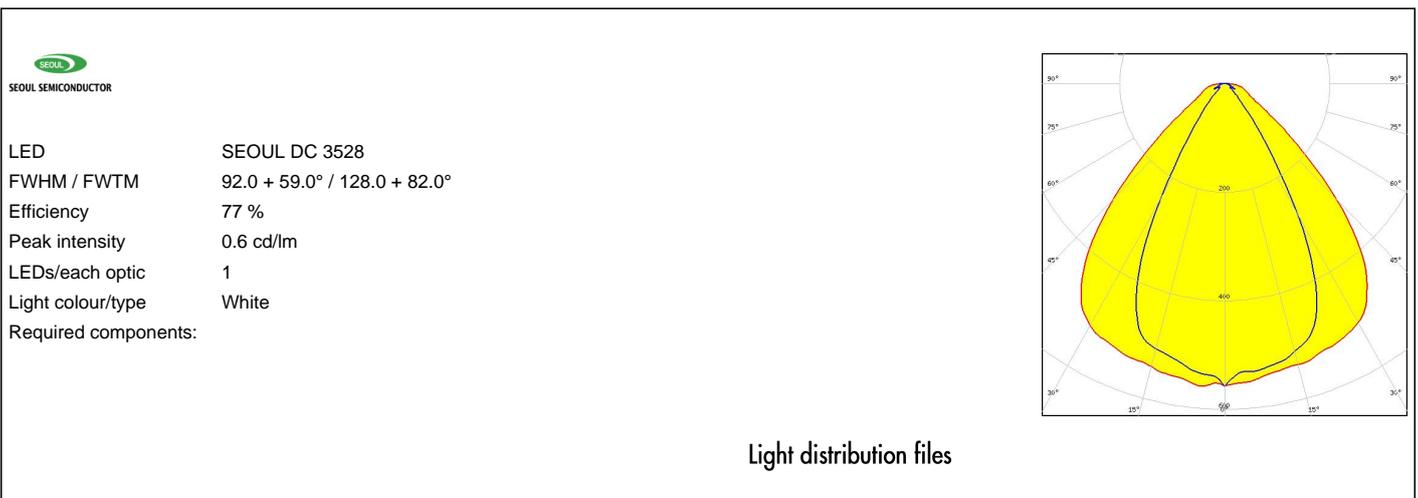
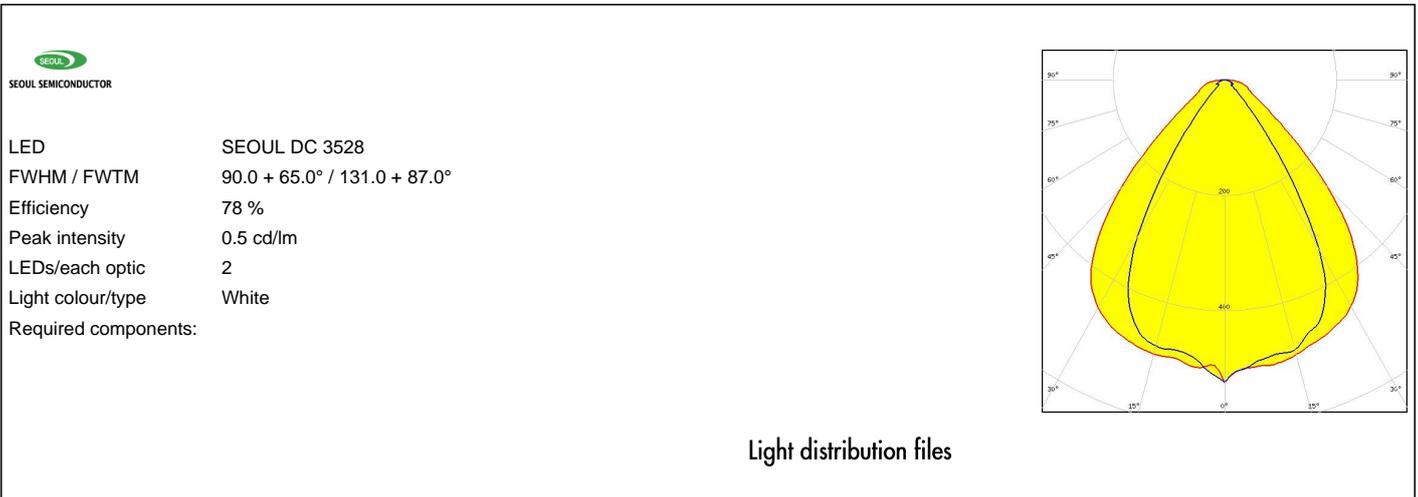
OPTICAL RESULTS (SIMULATED):



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:

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