

## FLORENCE2-Z60

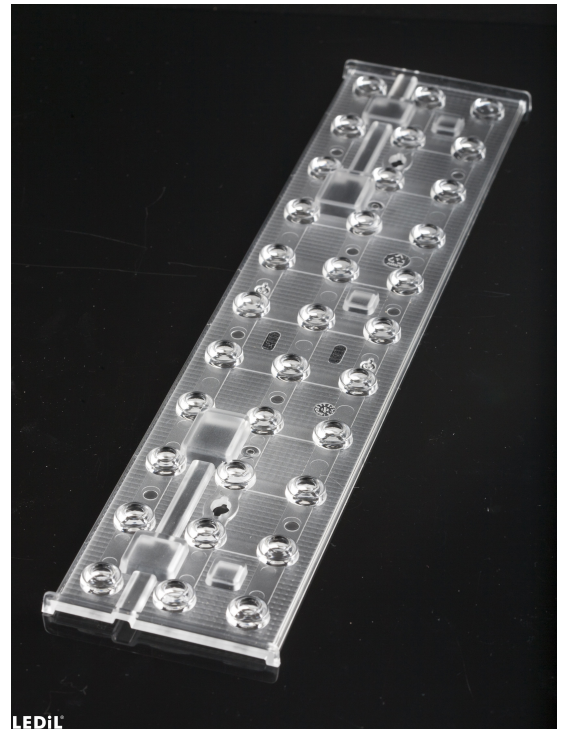
~60° wide beam

### SPECIFICATION:

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

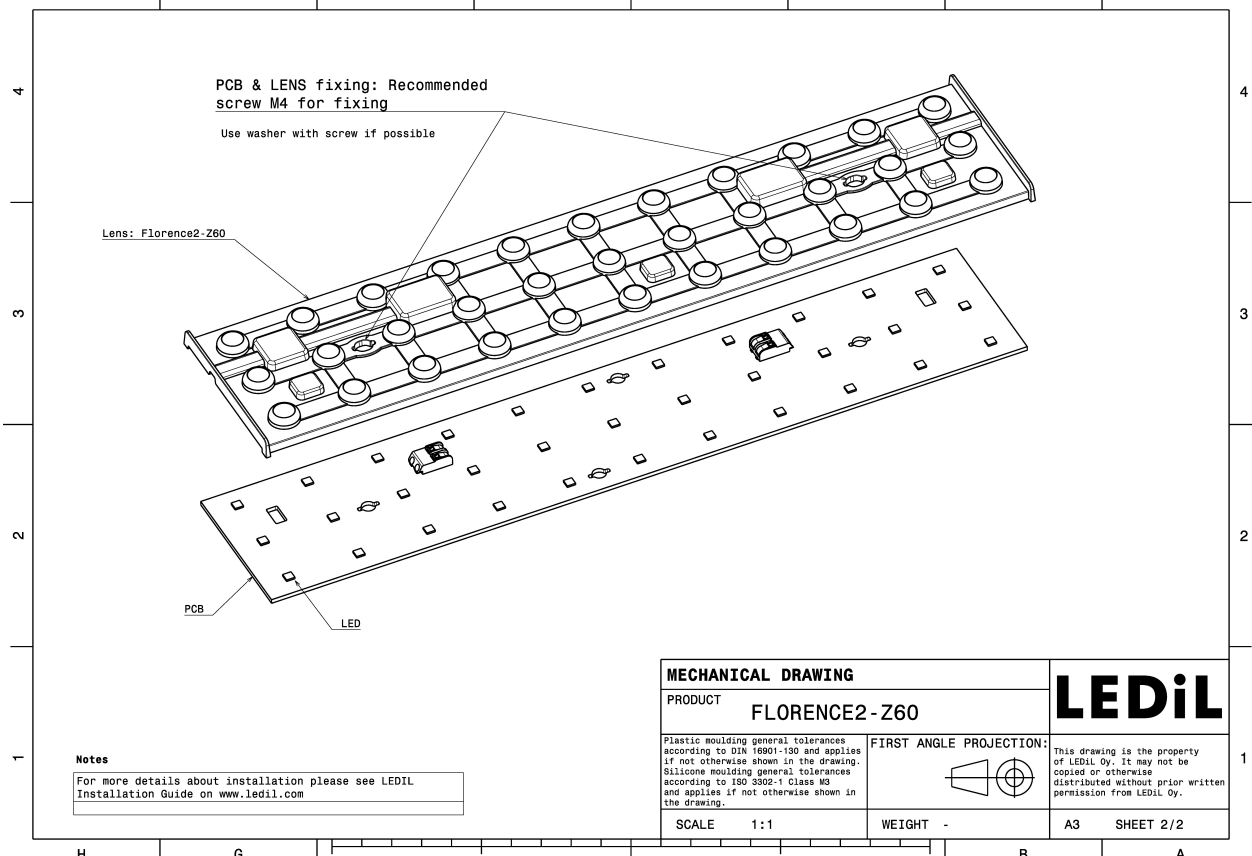
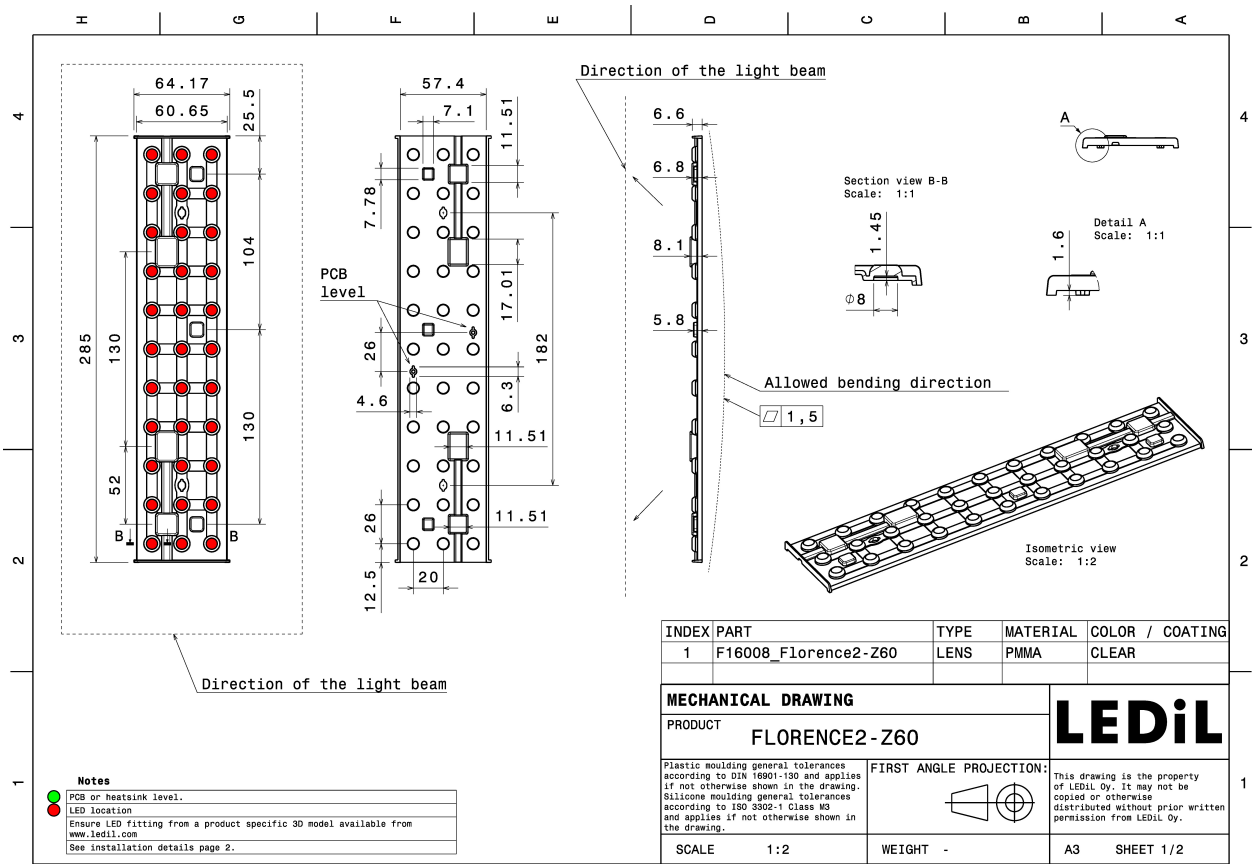
### MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLORENCE2-Z60	Linear lens	PMMA	clear		



### ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16008_FLORENCE2-Z60 » Box size: 398 x 298 x 140 mm	78	18	6	4.8

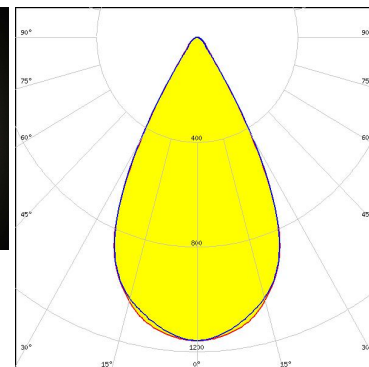
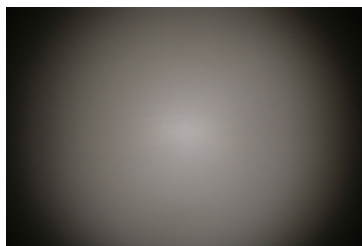


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):



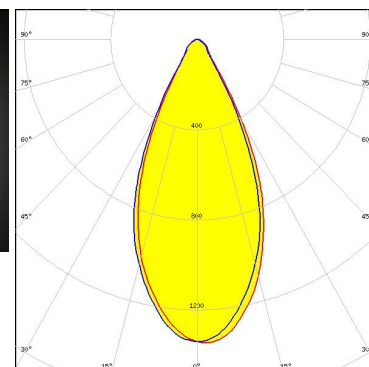
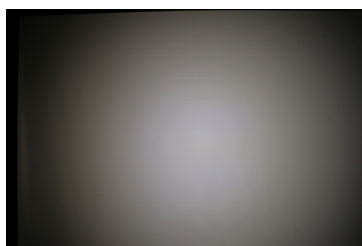
LED J Series 2835  
 FWHM / FWTM 56.0° / 75.0°  
 Efficiency 96 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



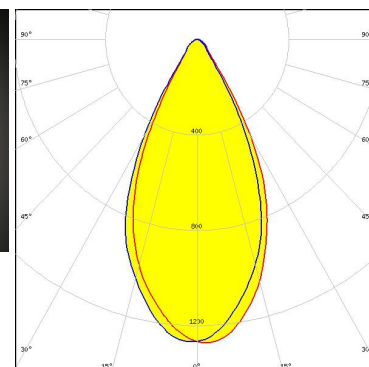
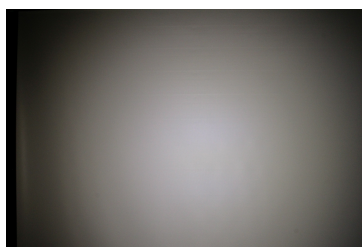
LED LED-Modul 280 x 55 mm 1B  
 FWHM / FWTM 48.0° / 73.0°  
 Efficiency 95 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LED-Modul 280 x 55 mm 2F  
 FWHM / FWTM 51.0° / 75.0°  
 Efficiency 95 %  
 Peak intensity 1.3 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

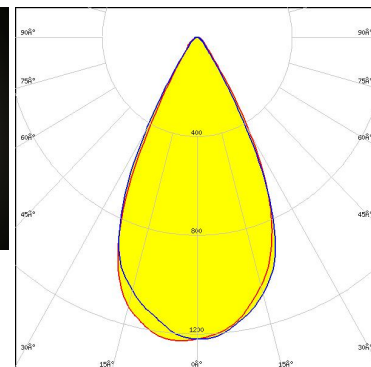
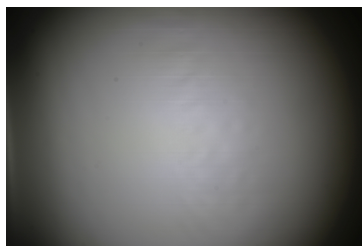


Light distribution files

#### OPTICAL RESULTS (MEASURED):

**inventronics**

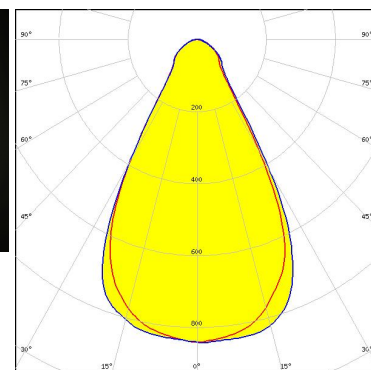
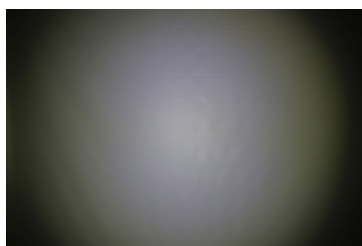
LED PL-BAR-G3 1100 280x55  
 FWHM / FWTM 54.0° / 75.0°  
 Efficiency 96 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**LUMILEDS**

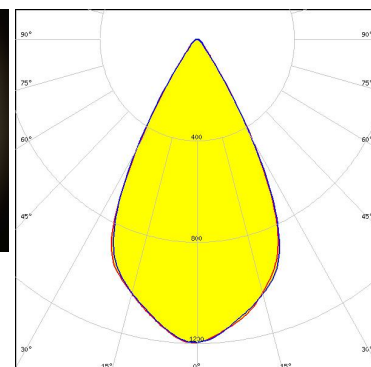
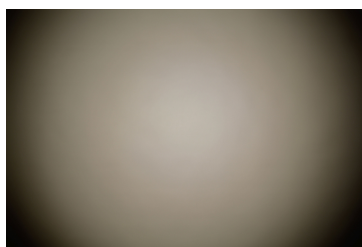
LED LUXEON 5050 Round LES  
 FWHM / FWTM 58.0° / 99.0°  
 Efficiency 93 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

**LUMILEDS**

LED LUXEON XR-3535L (L202 - xxxx033C30001)  
 FWHM / FWTM 56.0° / 75.0°  
 Efficiency 97 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



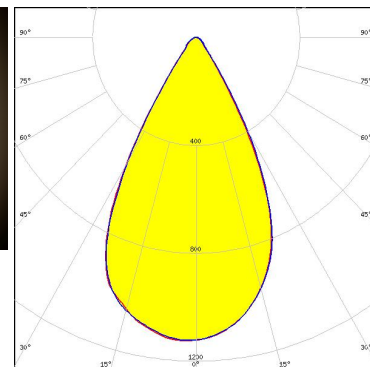
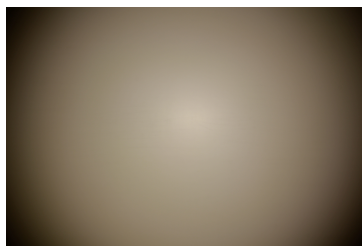
Light distribution files



#### OPTICAL RESULTS (MEASURED):



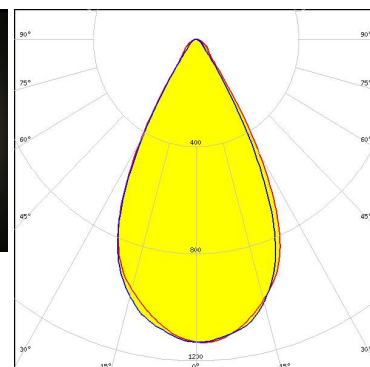
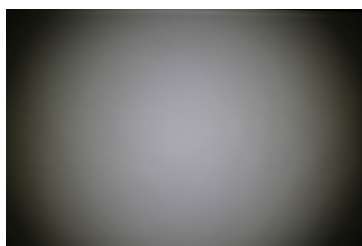
LED NFSW757H  
 FWHM / FWTM 56.0° / 77.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



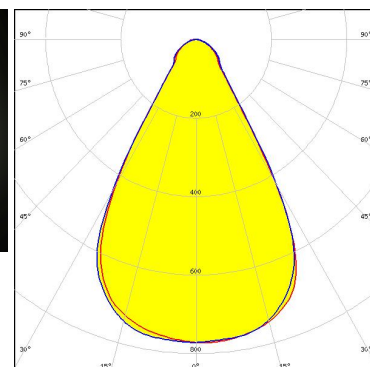
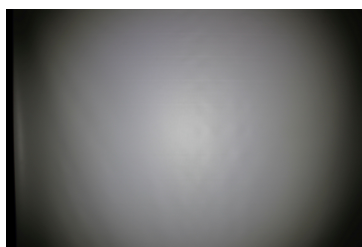
LED Duris E5  
 FWHM / FWTM 56.0° / 78.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED Duris S8  
 FWHM / FWTM 62.0° / 96.0°  
 Efficiency 94 %  
 Peak intensity 0.8 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

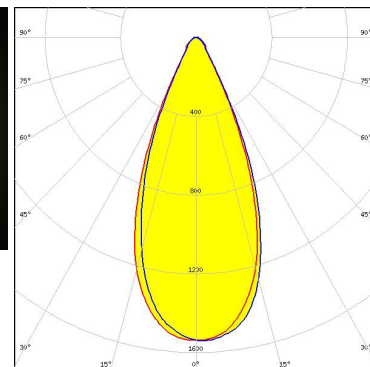
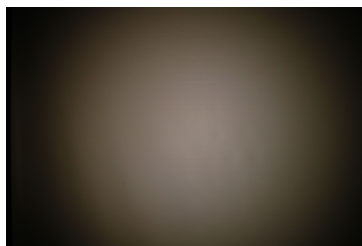


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### PHILIPS

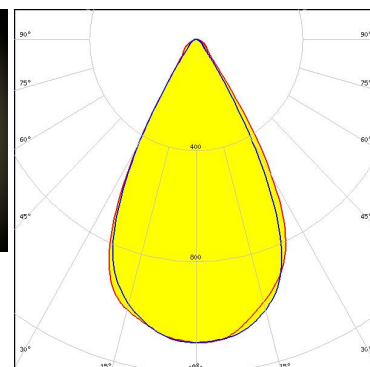
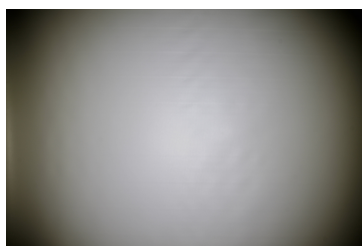
LED Fortimo LED Line VO 1ft MF 3R HV5  
 FWHM / FWTM 44.0° / 67.0°  
 Efficiency 96 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### PHILIPS

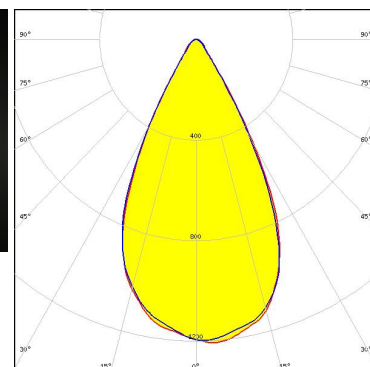
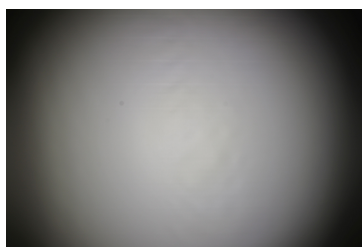
LED Fortimo LED Line 1ft 1100lm 3R HV4  
 FWHM / FWTM 57.0° / 77.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### PHILIPS

LED Fortimo LED Line 1ft 650lm 3R HV4 & LV4  
 FWHM / FWTM 54.0° / 75.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

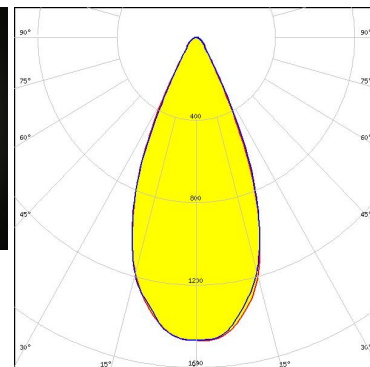
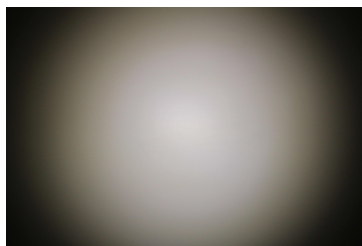


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### PHILIPS

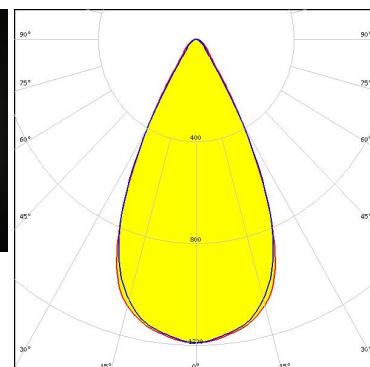
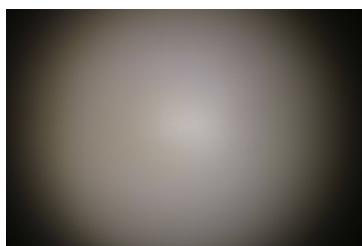
LED Fortimo LED Line 1ft HF 3R HV5  
 FWHM / FWTM 46.0° / 69.0°  
 Efficiency 96 %  
 Peak intensity 1.5 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### PHILIPS

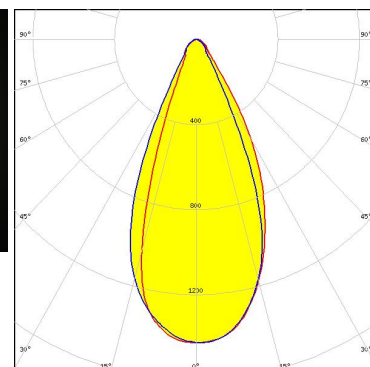
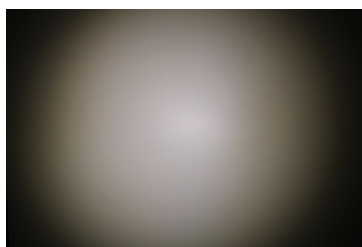
LED Fortimo LED Line 1ft LF 3R HV5 & LV5  
 FWHM / FWTM 53.0° / 75.0°  
 Efficiency 97 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### PHILIPS

LED Fortimo LED Line 1ft MF 3R HV5 & LV5  
 FWHM / FWTM 46.0° / 69.0°  
 Efficiency 96 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

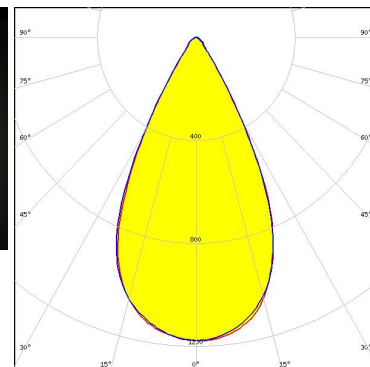


Light distribution files

#### OPTICAL RESULTS (MEASURED):

#### SAMSUNG

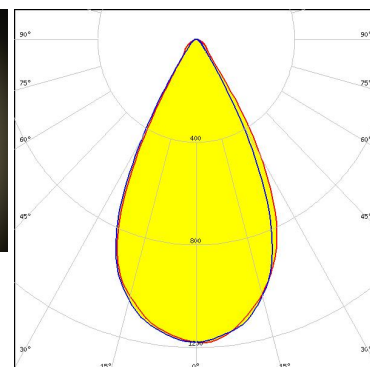
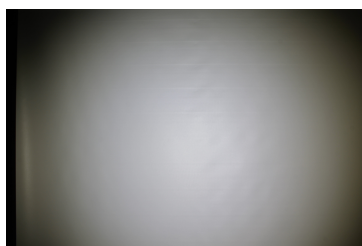
LED LM28xB Series  
 FWHM / FWTM 53.0° / 74.0°  
 Efficiency 92 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### SAMSUNG

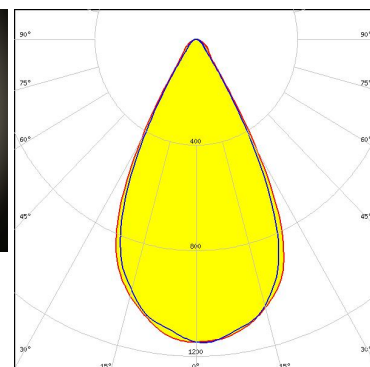
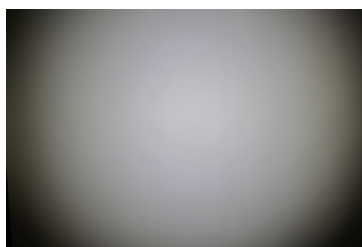
LED LM561B Plus  
 FWHM / FWTM 54.0° / 75.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### SAMSUNG

LED LT-R286A  
 FWHM / FWTM 55.0° / 76.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

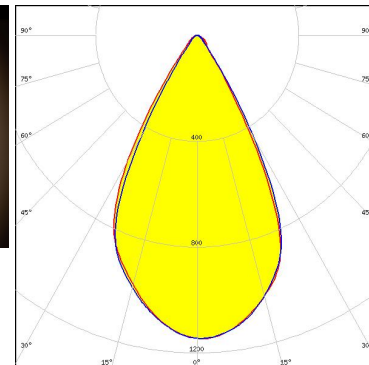


Light distribution files

#### OPTICAL RESULTS (MEASURED):



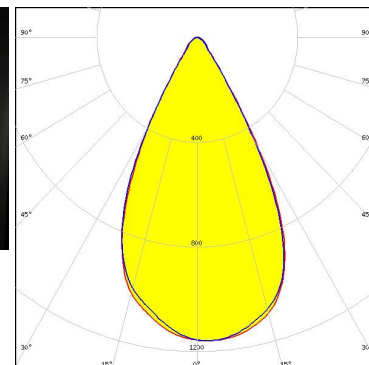
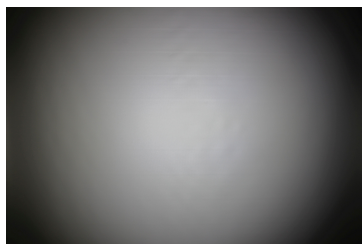
LED SEOUL 5630  
 FWHM / FWTM 57.0° / 77.0°  
 Efficiency 94 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

#### TRIDONIC

LED LLE 55x566mm 4000lm ADV5  
 FWHM / FWTM 55.0° / 76.0°  
 Efficiency 94 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



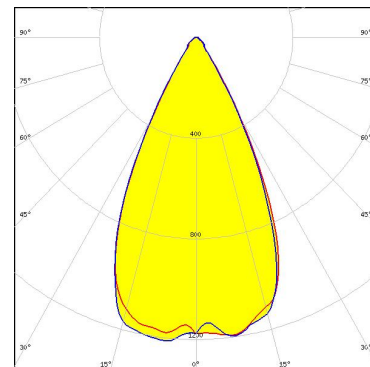
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



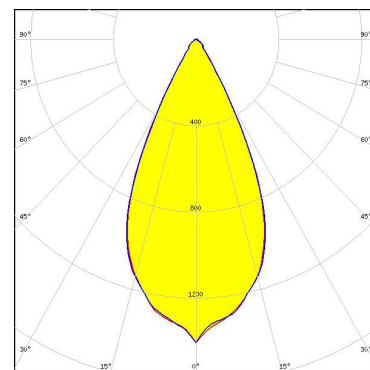
LED J Series 2835  
 FWHM / FWTM 53.0° / 72.0°  
 Efficiency 93 %  
 Peak intensity 1.2 cd/lm  
 LEDs/each optic 2  
 Light colour/type White  
 Required components:



Light distribution files



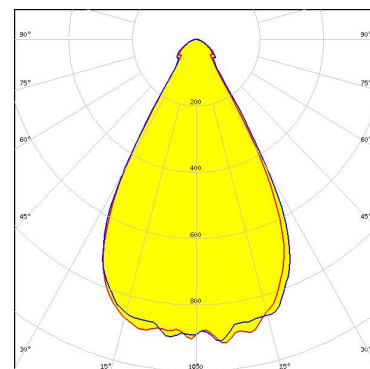
LED LUXEON 3030 2D (Square LES)  
 FWHM / FWTM 50.0° / 68.0°  
 Efficiency 92 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LUXEON 5050 Round LES  
 FWHM / FWTM 58.0° / 79.0°  
 Efficiency 90 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

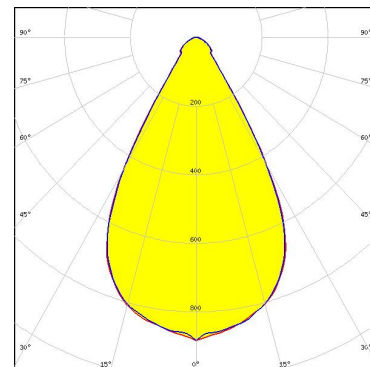


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



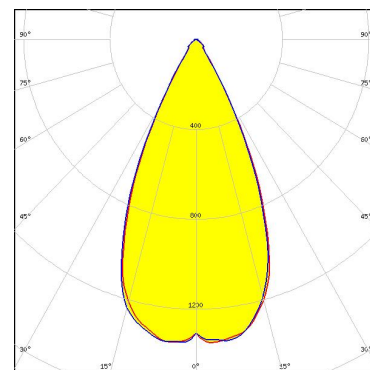
LED LUXEON 5050 Square LES  
 FWHM / FWTM 60.0° / 81.0°  
 Efficiency 90 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



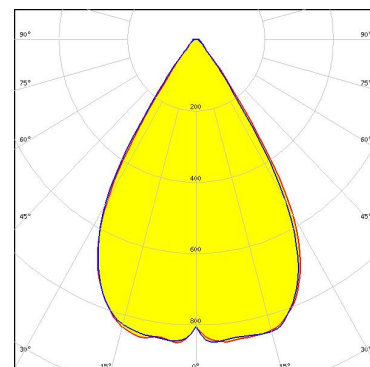
LED Duris S5 (Single chip)  
 FWHM / FWTM 50.0° / 68.0°  
 Efficiency 92 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files



LED LH351D  
 FWHM / FWTM 65.0° / 84.0°  
 Efficiency 92 %  
 Peak intensity 0.9 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:



Light distribution files

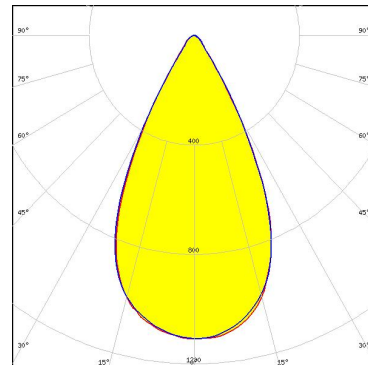
#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

LED LM28xB Series  
 FWHM / FWTM 54.0° / 75.0°  
 Efficiency 87 %  
 Peak intensity 1.1 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

Protective plate, glass

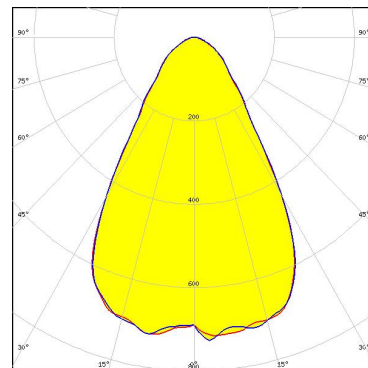
Light distribution files



#### SAMSUNG

LED LM301B  
 FWHM / FWTM 64.0° / 116.0°  
 Efficiency 90 %  
 Peak intensity 0.7 cd/lm  
 LEDs/each optic 2  
 Light colour/type White  
 Required components:

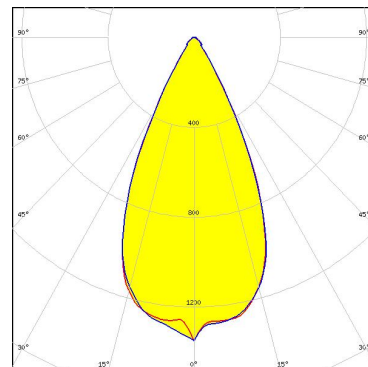
Light distribution files



#### SAMSUNG

LED LM301B  
 FWHM / FWTM 50.0° / 70.0°  
 Efficiency 92 %  
 Peak intensity 1.4 cd/lm  
 LEDs/each optic 1  
 Light colour/type White  
 Required components:

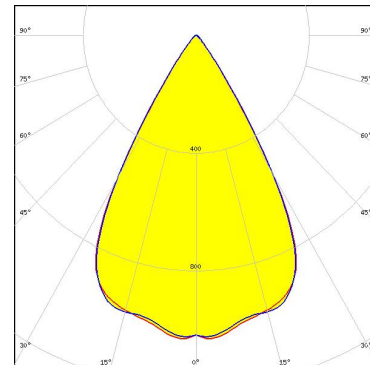
Light distribution files



#### OPTICAL RESULTS (SIMULATED):

#### SAMSUNG

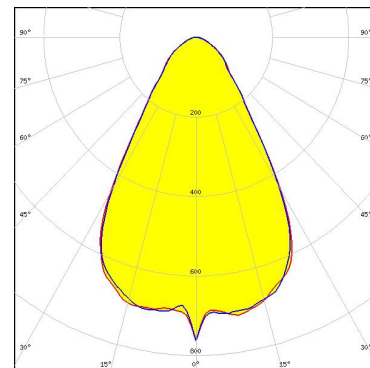
LED LM302Z  
FWHM / FWTM 60.0° / 78.0°  
Efficiency 94 %  
Peak intensity 1 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

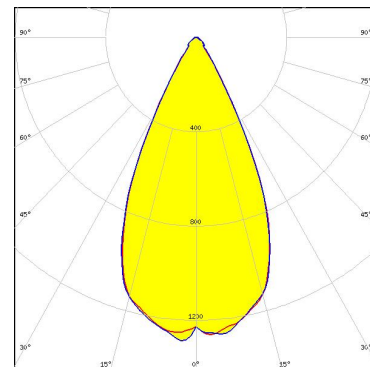
LED LM302Z plus  
FWHM / FWTM 64.0° / 114.0°  
Efficiency 90 %  
Peak intensity 0.8 cd/lm  
LEDs/each optic 2  
Light colour/type White  
Required components:



Light distribution files

#### SAMSUNG

LED LM302Z plus  
FWHM / FWTM 52.0° / 71.0°  
Efficiency 92 %  
Peak intensity 1.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

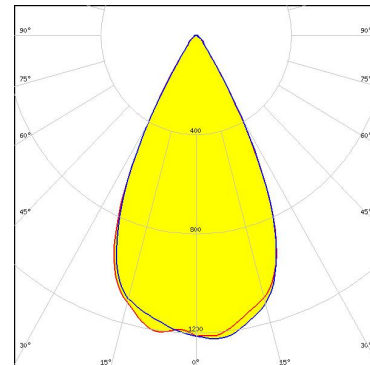


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



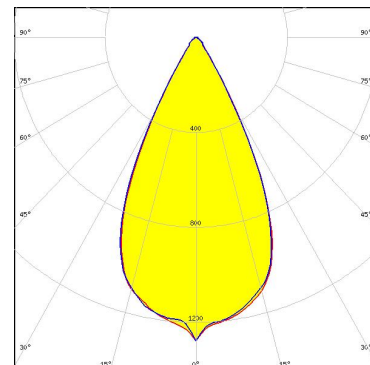
LED: SEOUL DC 3030C  
 FWHM / FWTM: 54.0° / 72.0°  
 Efficiency: 93 %  
 Peak intensity: 1.2 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files



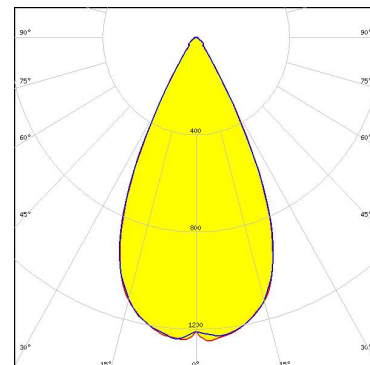
LED: SEOUL DC 3528  
 FWHM / FWTM: 52.0° / 70.0°  
 Efficiency: 91 %  
 Peak intensity: 1.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files



LED: SEOUL DC 3528  
 FWHM / FWTM: 52.0° / 70.0°  
 Efficiency: 90 %  
 Peak intensity: 1.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



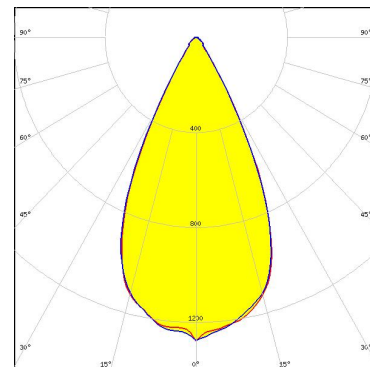
Light distribution files



#### OPTICAL RESULTS (SIMULATED):



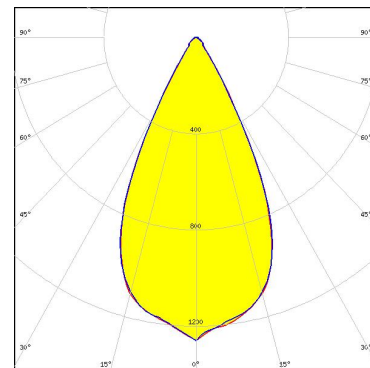
LED: SEOUL DC 3528  
 FWHM / FWTM: 52.0° / 70.0°  
 Efficiency: 90 %  
 Peak intensity: 1.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files



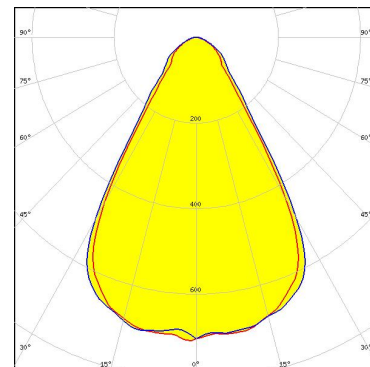
LED: SEOUL DC 3528  
 FWHM / FWTM: 52.0° / 70.0°  
 Efficiency: 90 %  
 Peak intensity: 1.3 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:



Light distribution files



LED: SEOUL DC 3528  
 FWHM / FWTM: 64.0 + 66.0° / 105.0 + 116.0°  
 Efficiency: 86 %  
 Peak intensity: 0.7 cd/lm  
 LEDs/each optic: 2  
 Light colour/type: White  
 Required components:

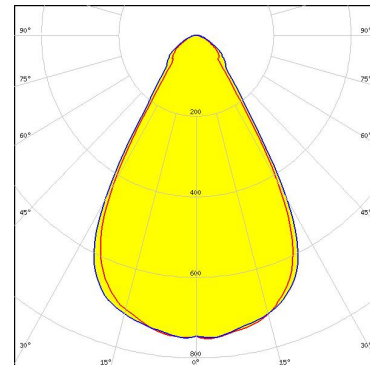


Light distribution files

#### OPTICAL RESULTS (SIMULATED):



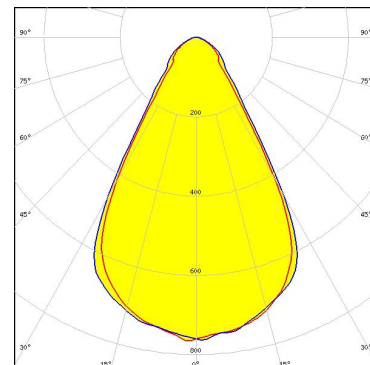
LED: SEOUL DC 3528  
 FWHM / FWTM: 62.0 + 64.0° / 102.0 + 112.0°  
 Efficiency: 86 %  
 Peak intensity: 0.8 cd/lm  
 LEDs/each optic: 2  
 Light colour/type: White  
 Required components:



Light distribution files



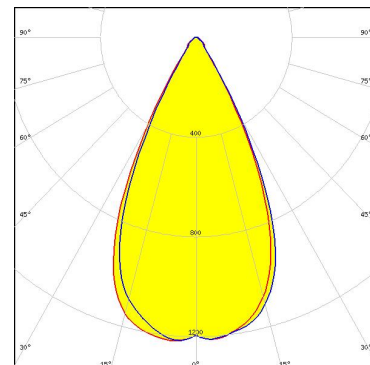
LED: SEOUL DC 3528  
 FWHM / FWTM: 62.0 + 64.0° / 100.0 + 112.0°  
 Efficiency: 86 %  
 Peak intensity: 0.8 cd/lm  
 LEDs/each optic: 2  
 Light colour/type: White  
 Required components:



Light distribution files



LED: SEOUL DC 3528  
 FWHM / FWTM: 52.0° / 72.0°  
 Efficiency: 92 %  
 Peak intensity: 1.2 cd/lm  
 LEDs/each optic: 1  
 Light colour/type: White  
 Required components:

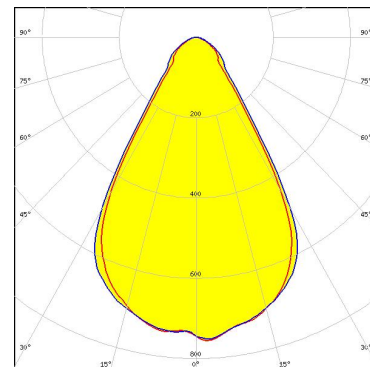


Light distribution files

## OPTICAL RESULTS (SIMULATED):



LED	SEOUL DC 3528
FWHM / FWTM	62.0 + 64.0° / 99.0 + 111.0°
Efficiency	86 %
Peak intensity	0.8 cd/lm
LEDs/each optic	2
Light colour/type	White
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.

### MATERIALS:

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