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
FLORENCE2-Z90	Linear lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
F16007_FLORENCE2-Z90	78	18	6	4.8

» Box size: 398 x 298 x 140 mm

LEDiL®

SHEET 1/2

Direction of the light beam

64.17
60.65
25.5
104
285
130
130
52

57.4
7.1
11.51
7.78
17.01
182
PCB level
26
6.3
4.6
11.51
26
11.51
12.5
20

Direction of the light beam

6.6
6.8
8.1
5.8

Allowed bending direction
□ 1.5

Section view B-B
Scale: 1:1
1.45
Ø 8

A

Detail A
Scale: 1:1
1.6

Isometric view
Scale: 1:2

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	F16007_Florence2-Z90	LENS	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT **FLORENCE2-Z90**

LEDiL

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

| SCALE | 1:2 | WEIGHT | - | A3 | SHEET 1/2 |

Notes
- PCB or heatsink level.
- LED location
- Ensure LED fitting from a product specific 3D model available from www.ledil.com
- See installation details page 2.

PCB & LENS fixing: Recommended screw M4 for fixing

Use washer with screw if possible

Lens: Florence2-Z90

PCB

LED

MECHANICAL DRAWING

PRODUCT **FLORENCE2-Z90**

LEDiL

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

| SCALE | 1:1 | WEIGHT | - | A3 | SHEET 2/2 |

Notes
For more details about installation please see LEDIL Installation Guide on www.ledil.com

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

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

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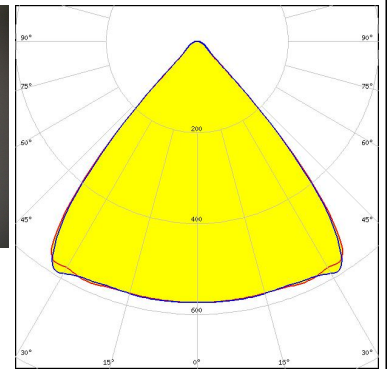
LED	LED-Modul 280 x 55 mm 1B
FWHM / FWTM	76.0° / 92.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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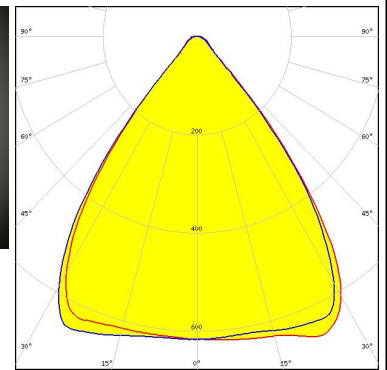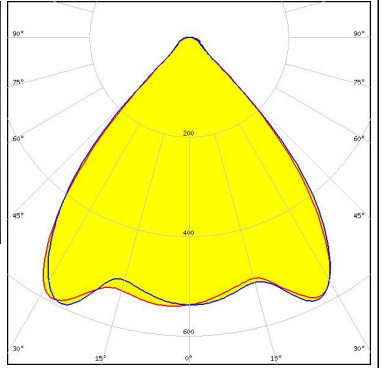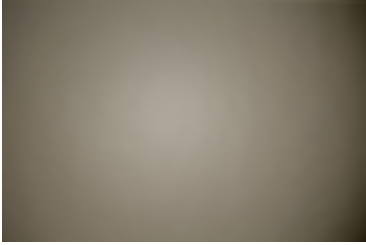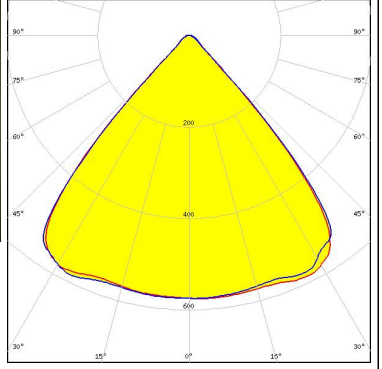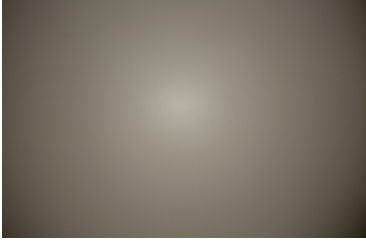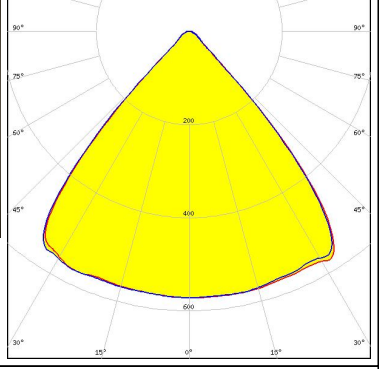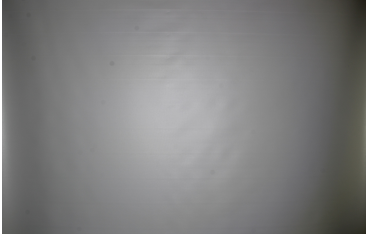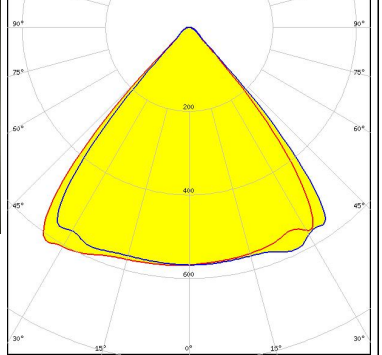
LED	LED-Modul 280 x 55 mm 1F
FWHM / FWTM	77.0° / 93.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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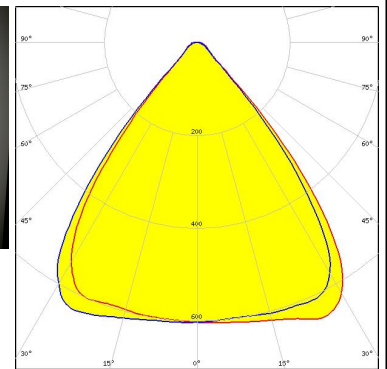
LED	LED-Modul 280 x 55 mm 2F
FWHM / FWTM	77.0° / 92.0°
Efficiency	95 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (MEASURED):

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	White
Required components:	

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	White
Required components:	

NICHIA

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

OSRAM

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	White
Required components:	

OPTICAL RESULTS (MEASURED):

OSRAM

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	White
Required components:	
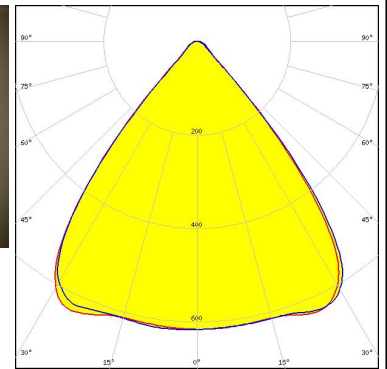
OSRAM

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	White
Required components:	
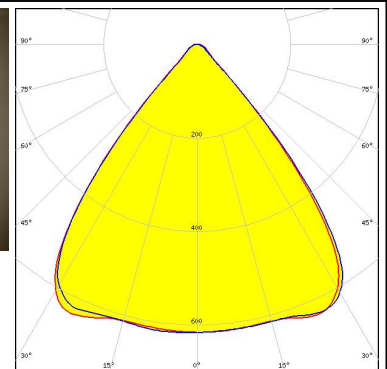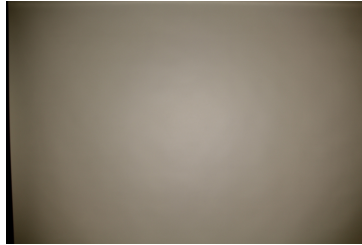
OSRAM Opto Semiconductors

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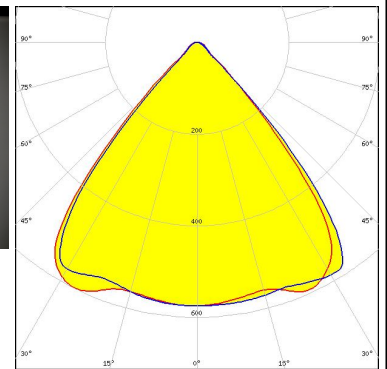
OSRAM Opto Semiconductors

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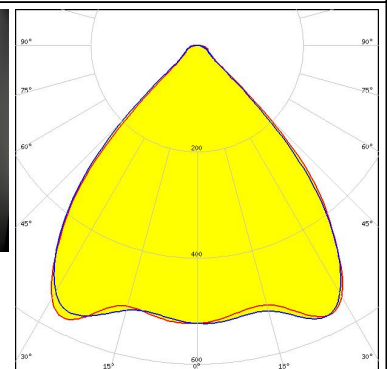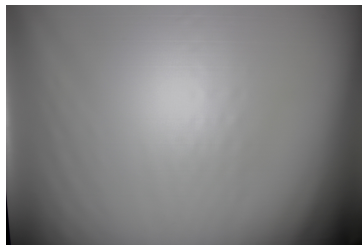
OPTICAL RESULTS (MEASURED):

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	White
Required components:	
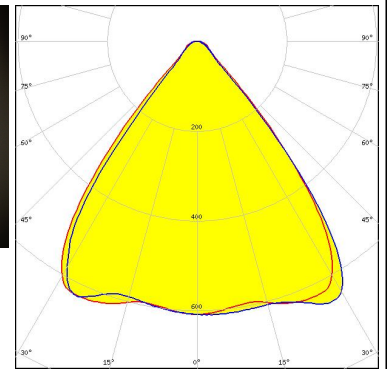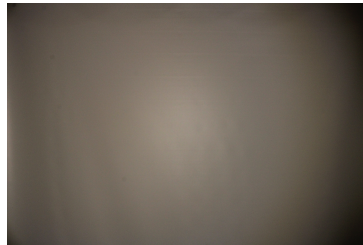
PHILIPS

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	White
Required components:	
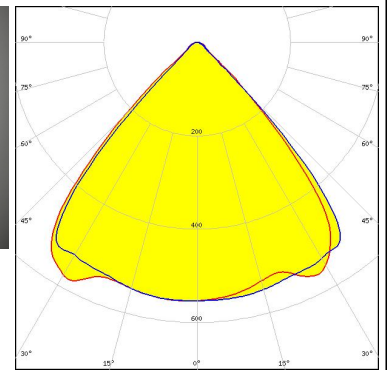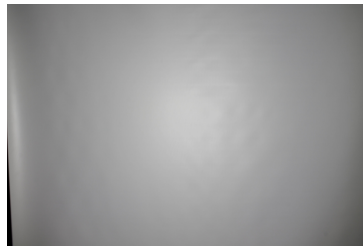
PHILIPS

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	White
Required components:	
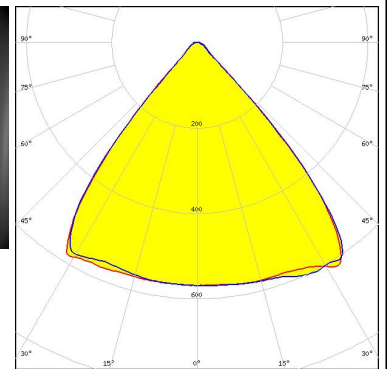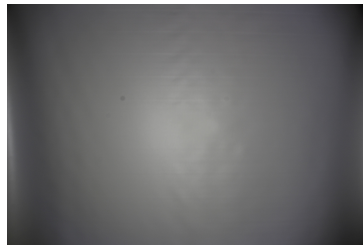
PHILIPS

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	White
Required components:	
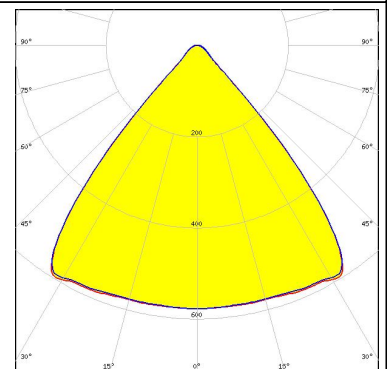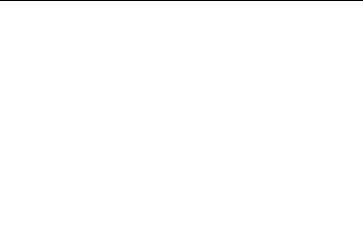
OPTICAL RESULTS (MEASURED):

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	White
Required components:	
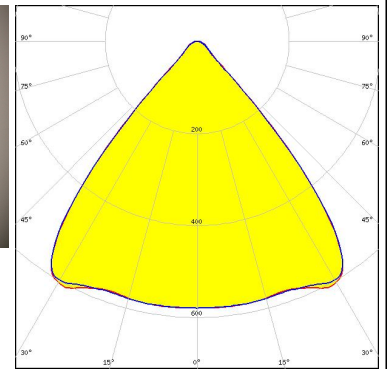
PHILIPS

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	White
Required components:	
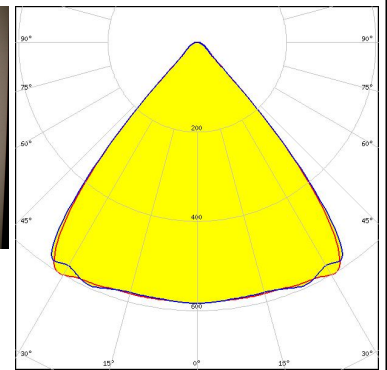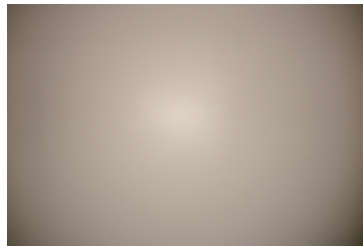
PHILIPS

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	White
Required components:	
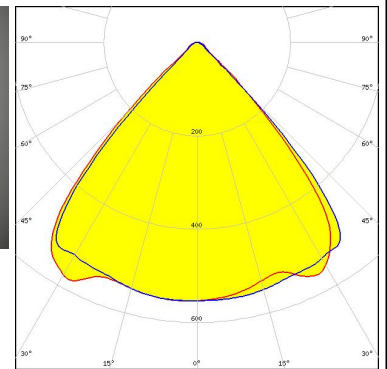
SAMSUNG

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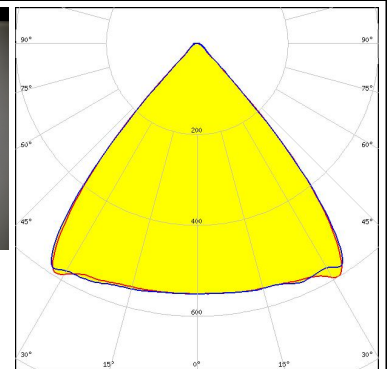
OPTICAL RESULTS (MEASURED):

SAMSUNG

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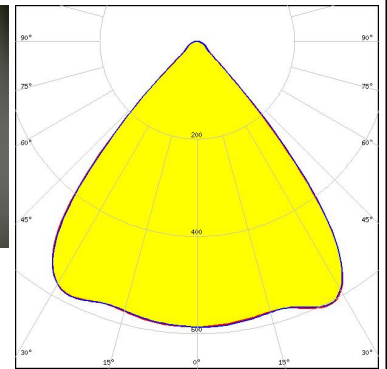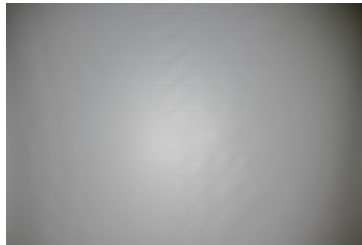
SAMSUNG

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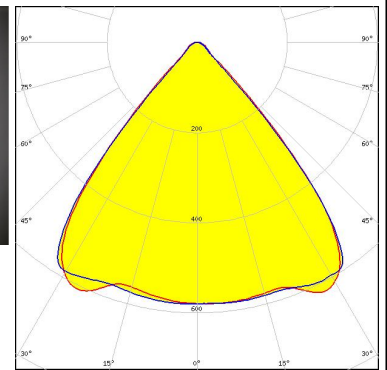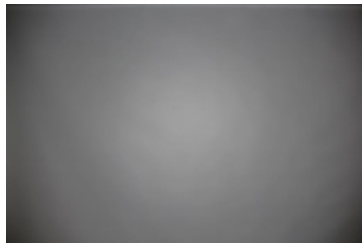
SEOUL SEMICONDUCTOR

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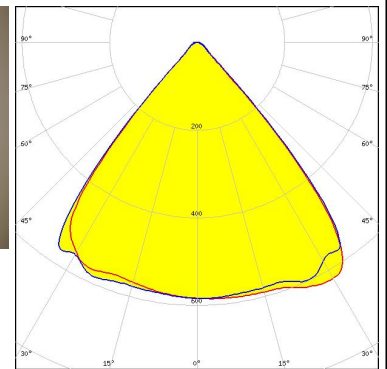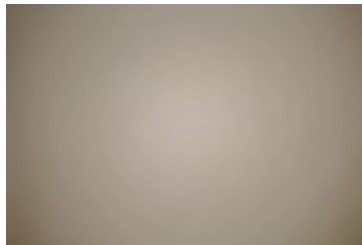
SEOUL SEMICONDUCTOR

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

OPTICAL RESULTS (MEASURED):

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

OPTICAL RESULTS (SIMULATED):

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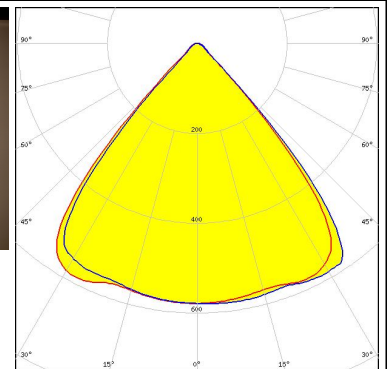
LED	J Series 2835
FWHM / FWTM	84.0° / 96.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour	White
Required components:	

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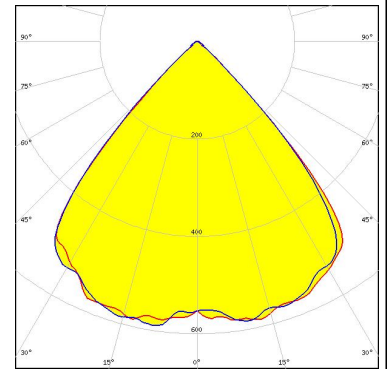
LED	LUXEON 5050 Square LES
FWHM / FWTM	86.0° / 98.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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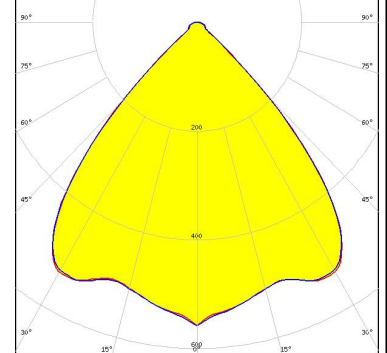
LED	LM301B
FWHM / FWTM	84.0° / 94.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
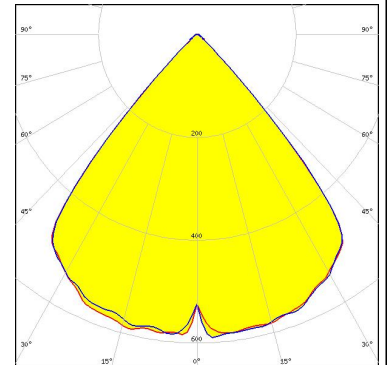
SAMSUNG

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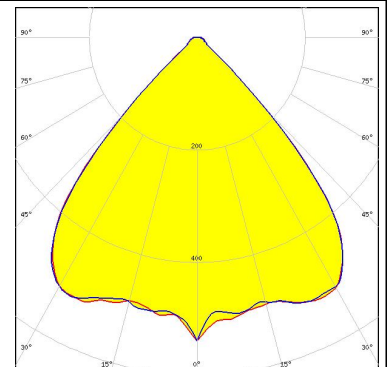
OPTICAL RESULTS (SIMULATED):

SAMSUNG

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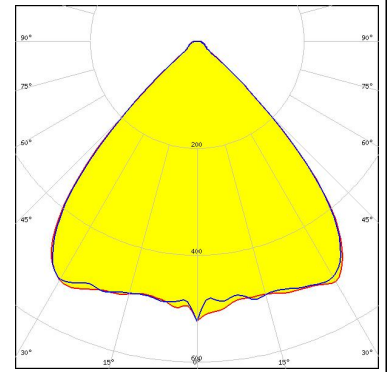
SAMSUNG

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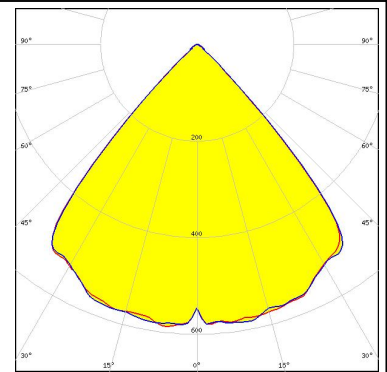
SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	84.0° / 96.0°
Efficiency	94 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
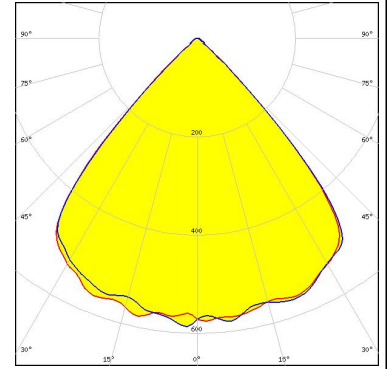
SEOUL SEMICONDUCTOR
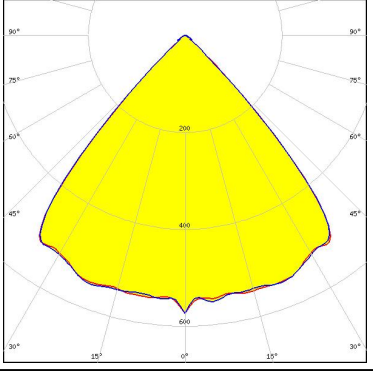
LED	SEOUL DC 3528
FWHM / FWTM	84.0° / 96.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

LED	SEOUL DC 3528
FWHM / FWTM	84.0° / 94.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LED	SEOUL DC 3528
FWHM / FWTM	83.0° / 95.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

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

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

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR		
LED	SEOUL DC 3528	
FWHM / FWTM	84.0° / 94.0°	
Efficiency	91 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

SEOUL SEMICONDUCTOR		
LED	SEOUL DC 3528	
FWHM / FWTM	84.0° / 95.0°	
Efficiency	91 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		

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

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