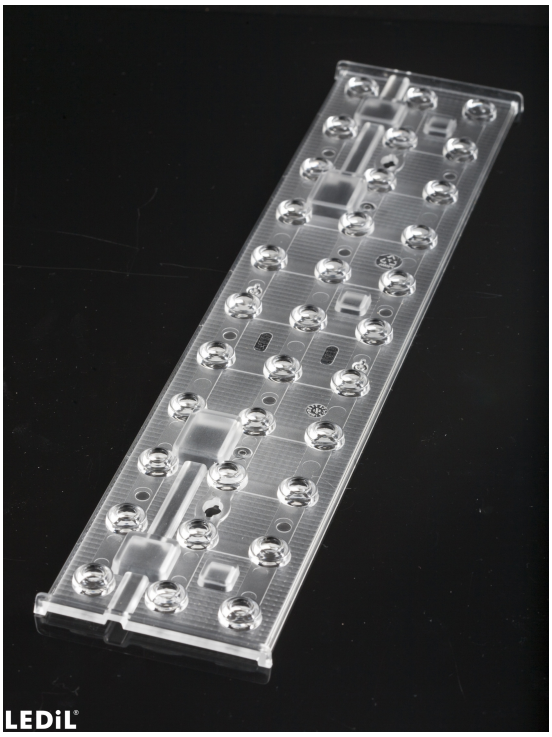
FLORENCE2-Z60

~60° 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-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

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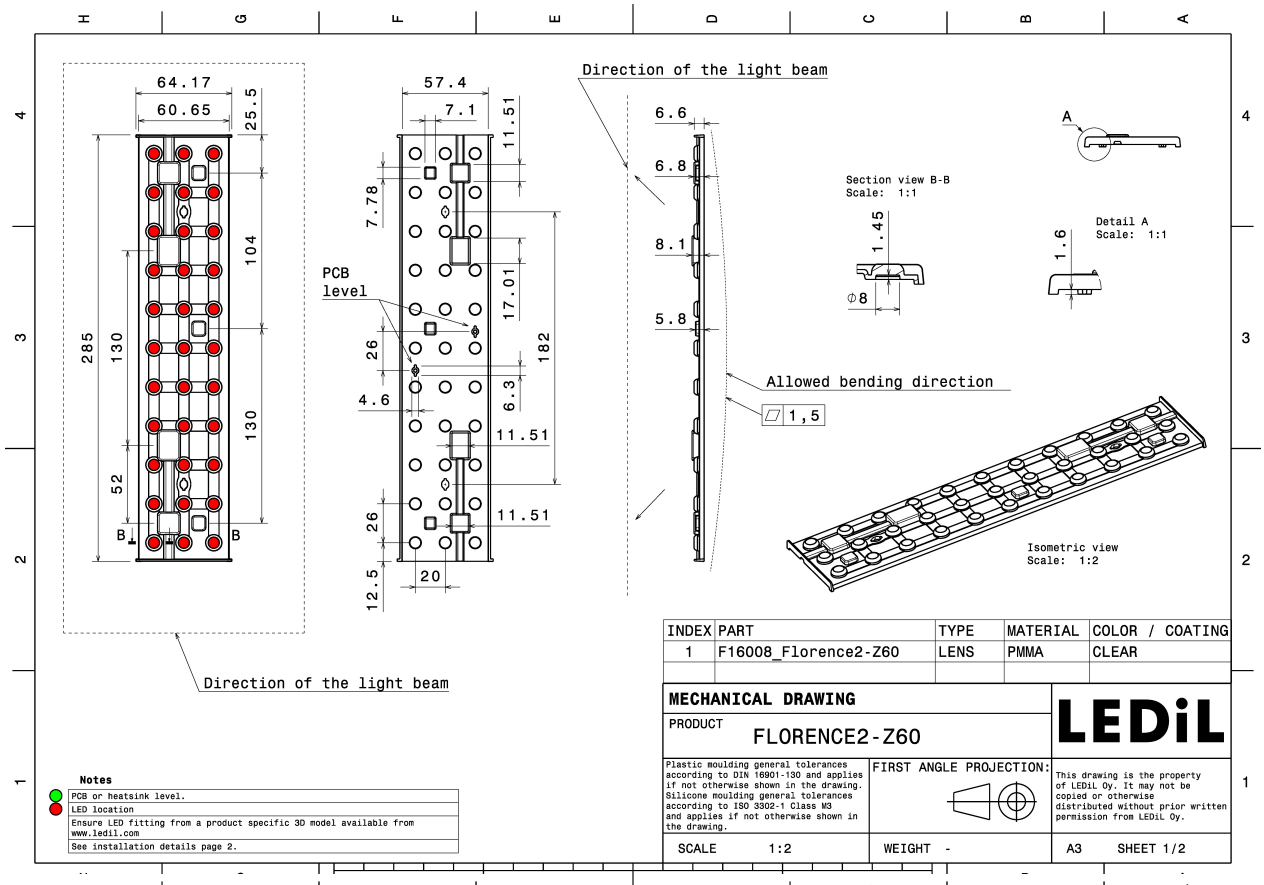

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	F16008_Florence2-Z60	LENS	PMMA	CLEAR

MECHANICAL DRAWING

PRODUCT
FLORENCE2-Z60

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:

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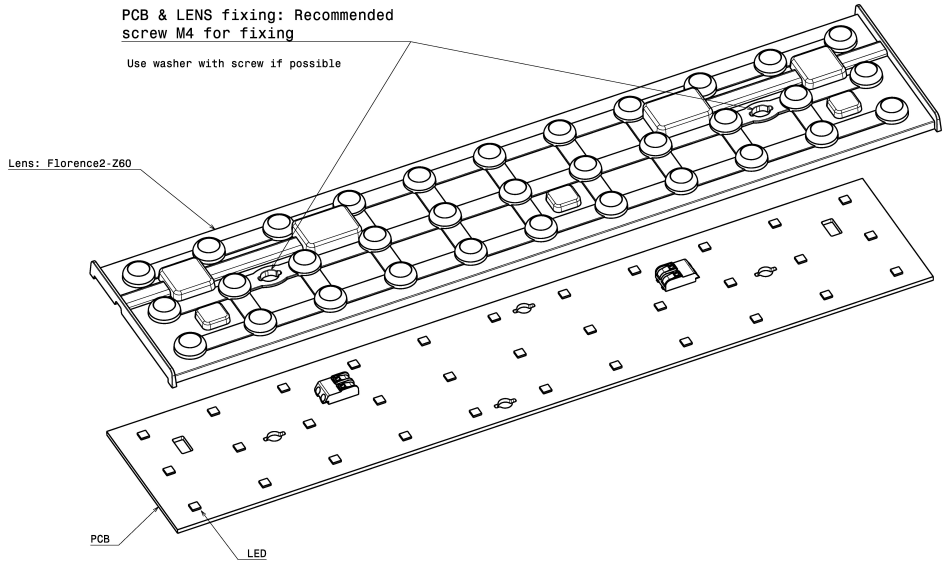
SCALE 1:2 | WEIGHT - | A3 | SHEET 1/2

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.



MECHANICAL DRAWING

PRODUCT
FLORENCE2-Z60

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:

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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

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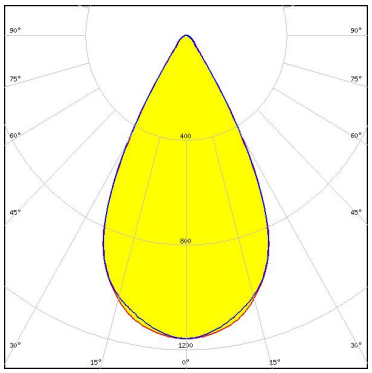
OPTICAL RESULTS (MEASURED):

CREE LEDs

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

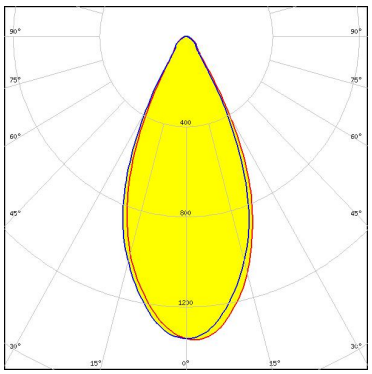




FRANK

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	White
Required components:	

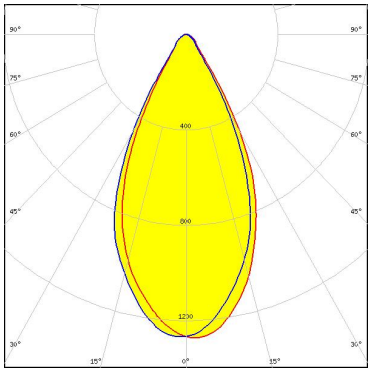




FRANK

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	White
Required components:	

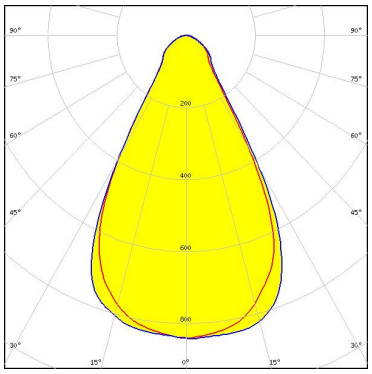




LUMILEDS

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	White
Required components:	





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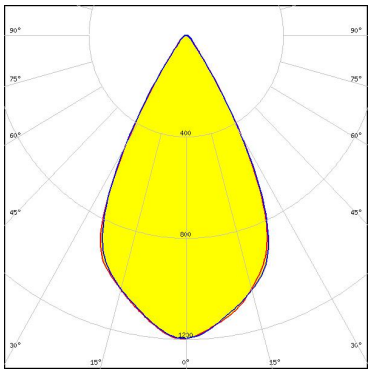
OPTICAL RESULTS (MEASURED):

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	White
Required components:	

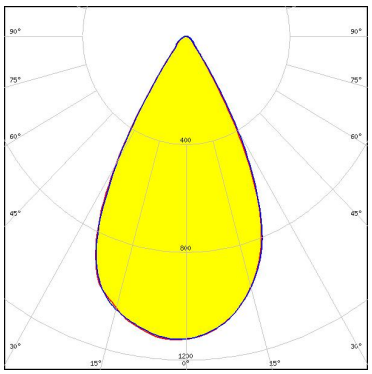




NICHIA

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

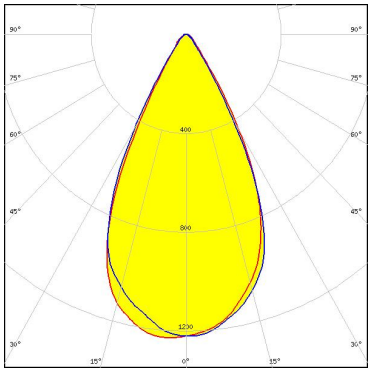




OSRAM

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	White
Required components:	

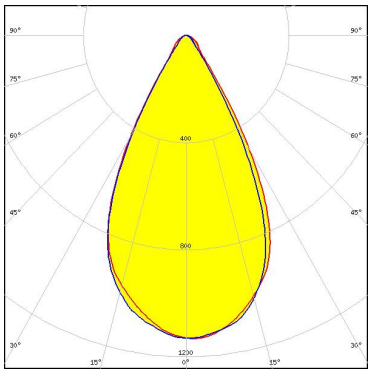




OSRAM
Opto Semiconductors

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





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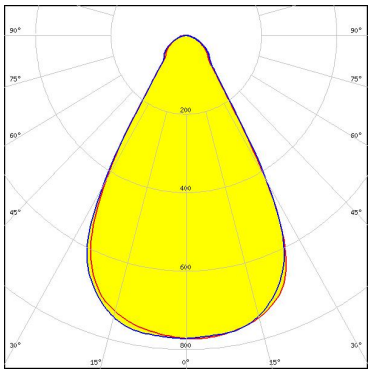
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

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

Required components:

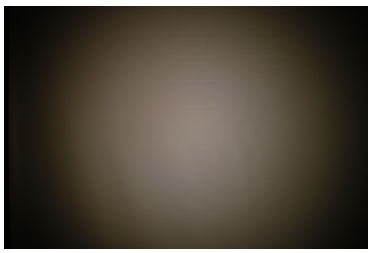


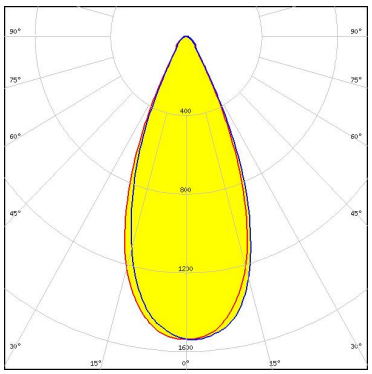


PHILIPS

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	White

Required components:



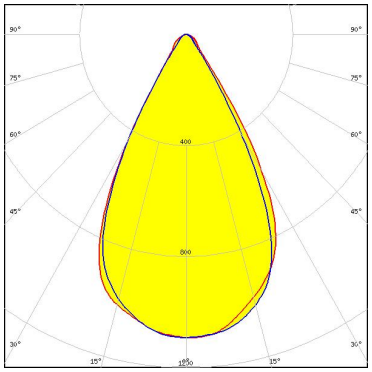


PHILIPS

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	White

Required components:



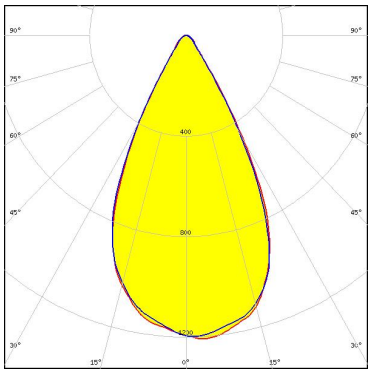


PHILIPS

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	White

Required components:





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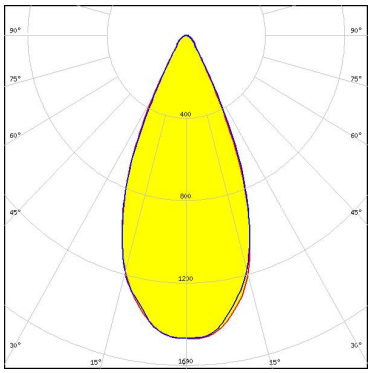
OPTICAL RESULTS (MEASURED):

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	White
Required components:	

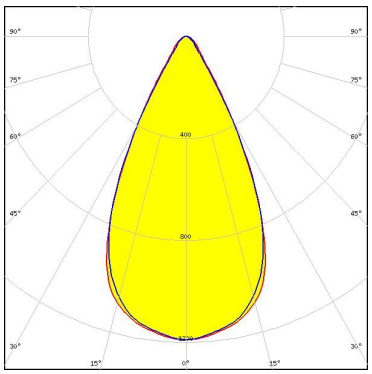




PHILIPS

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	White
Required components:	

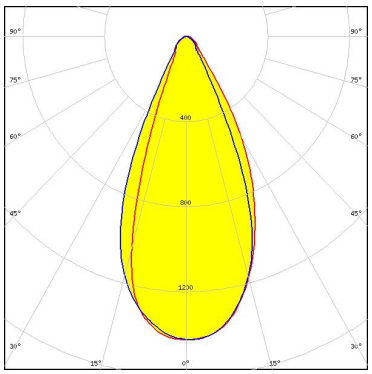




PHILIPS

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	White
Required components:	

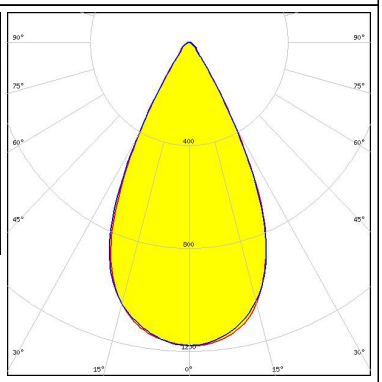




SAMSUNG

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





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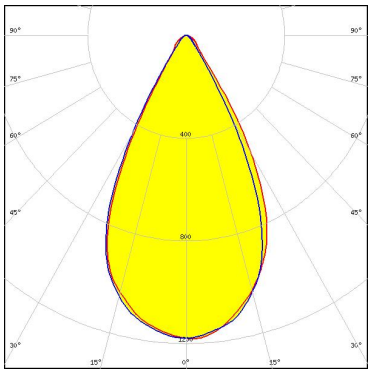
OPTICAL RESULTS (MEASURED):

SAMSUNG

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

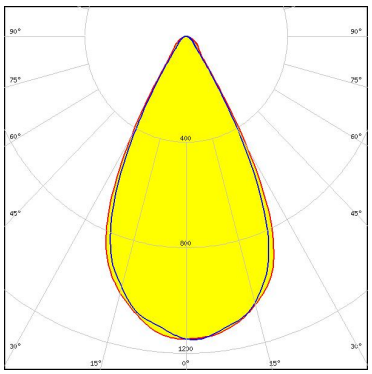




SAMSUNG

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

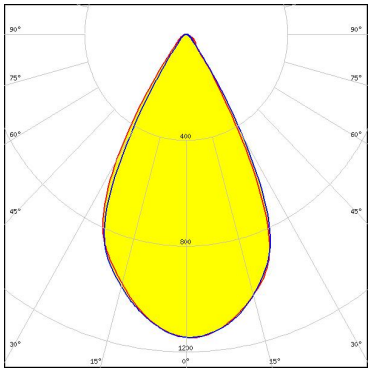




SEOUL SEMICONDUCTOR

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

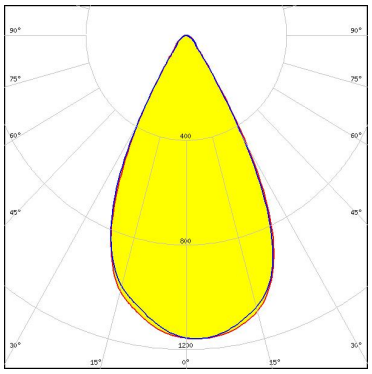




TRIDONIC

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	White
Required components:	





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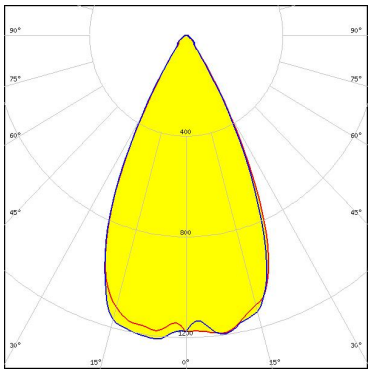
OPTICAL RESULTS (SIMULATED):

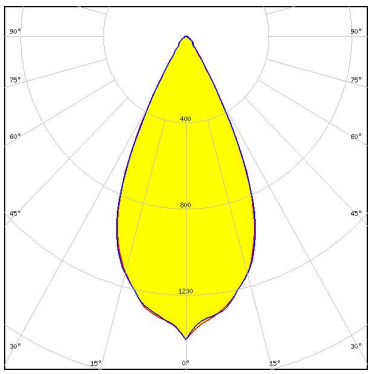
CREE LEDs

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



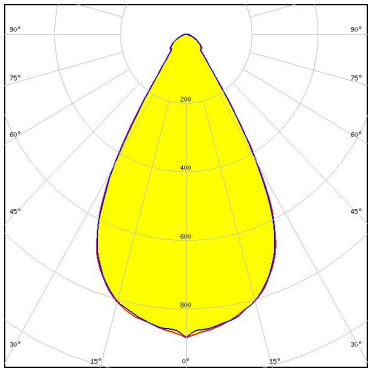
LUMILEDS

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	White
Required components:	



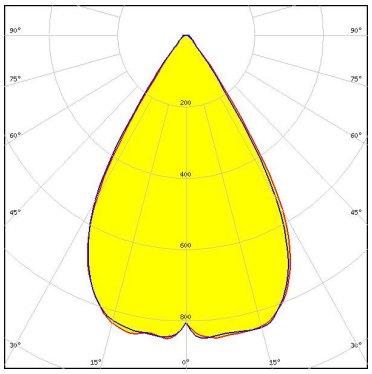
LUMILEDS

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	White
Required components:	



SAMSUNG

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



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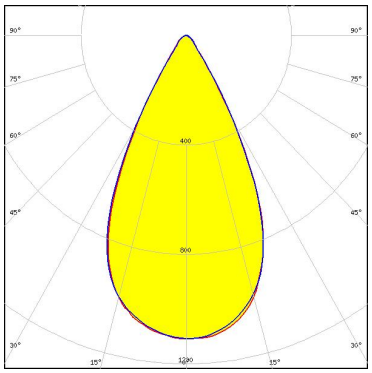
OPTICAL RESULTS (SIMULATED):

SAMSUNG

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

Required components:

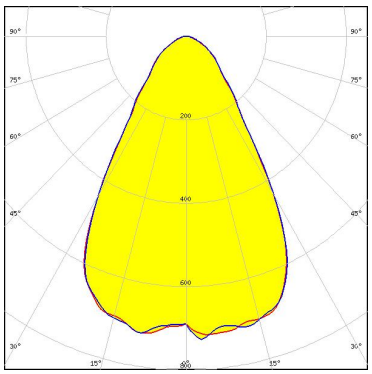
Protective plate, glass



SAMSUNG

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

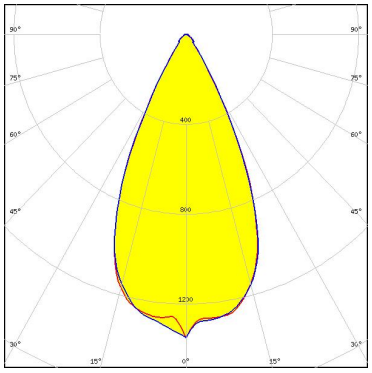
Required components:



SAMSUNG

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

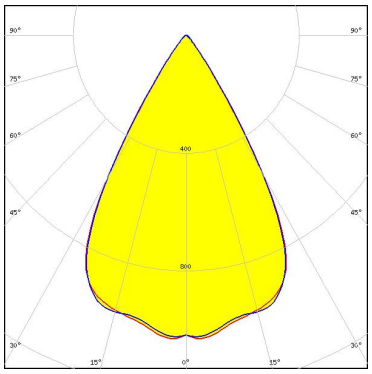
Required components:



SAMSUNG

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

Required components:



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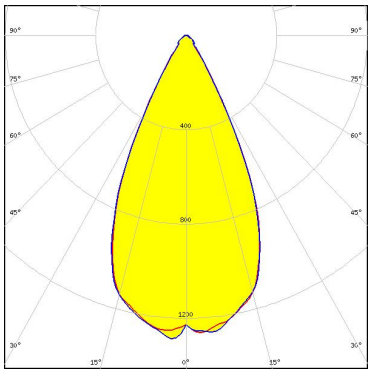
OPTICAL RESULTS (SIMULATED):

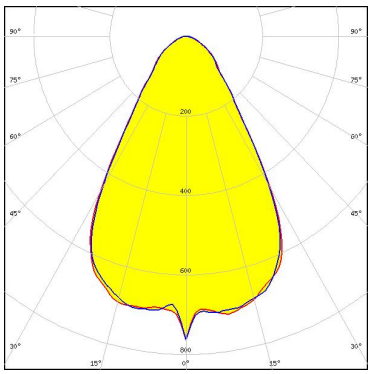
SAMSUNG

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



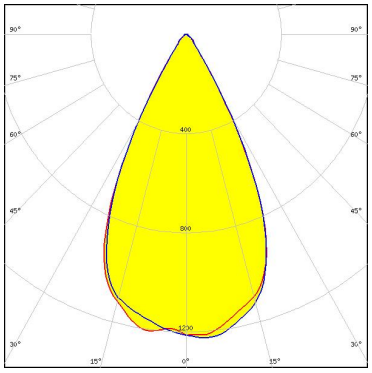
SAMSUNG

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



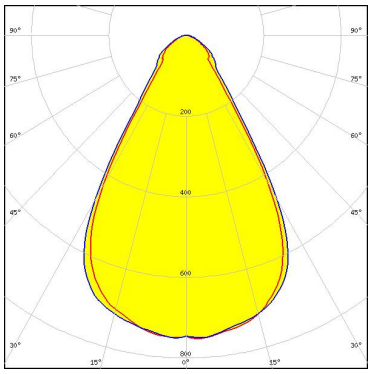
SEOUL SEMICONDUCTOR

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



SEOUL SEMICONDUCTOR

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	White
Required components:	

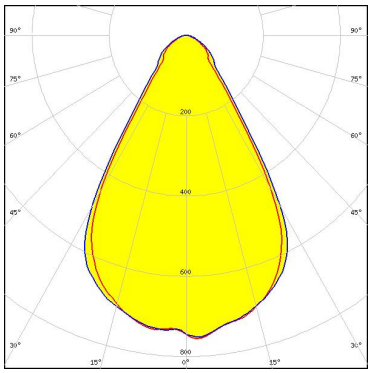


LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

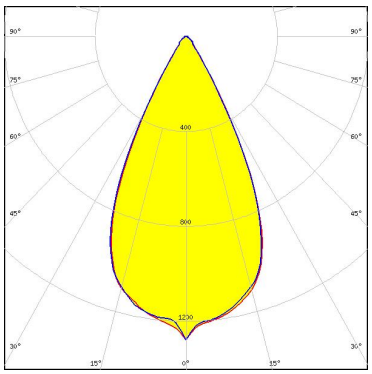
SEOUL SEMICONDUCTOR

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	White
Required components:	



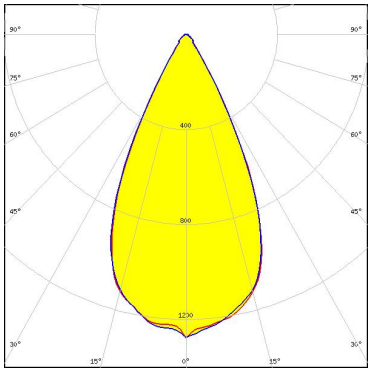
SEOUL SEMICONDUCTOR

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



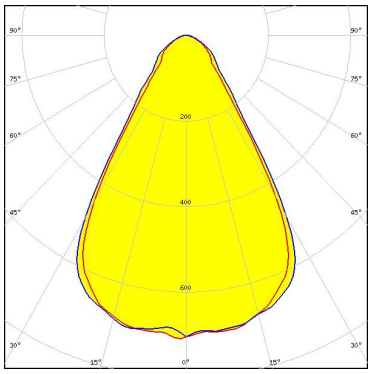
SEOUL SEMICONDUCTOR

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



SEOUL SEMICONDUCTOR

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	White
Required components:	



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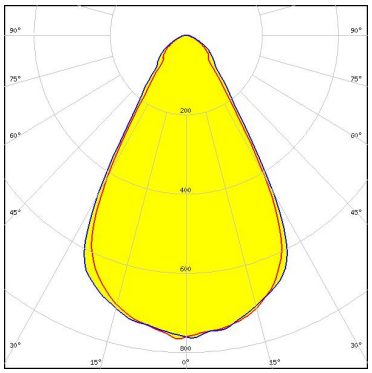
OPTICAL RESULTS (SIMULATED):

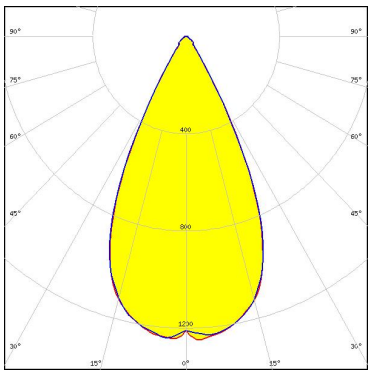
SEOUL SEMICONDUCTOR

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	White
Required components:	



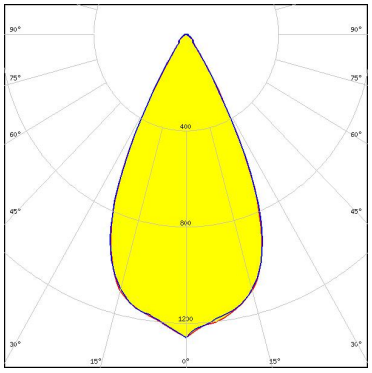
SEOUL SEMICONDUCTOR

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



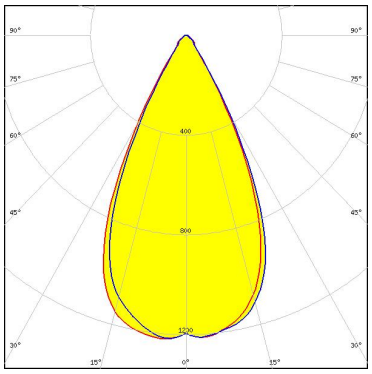
SEOUL SEMICONDUCTOR

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



SEOUL SEMICONDUCTOR

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



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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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