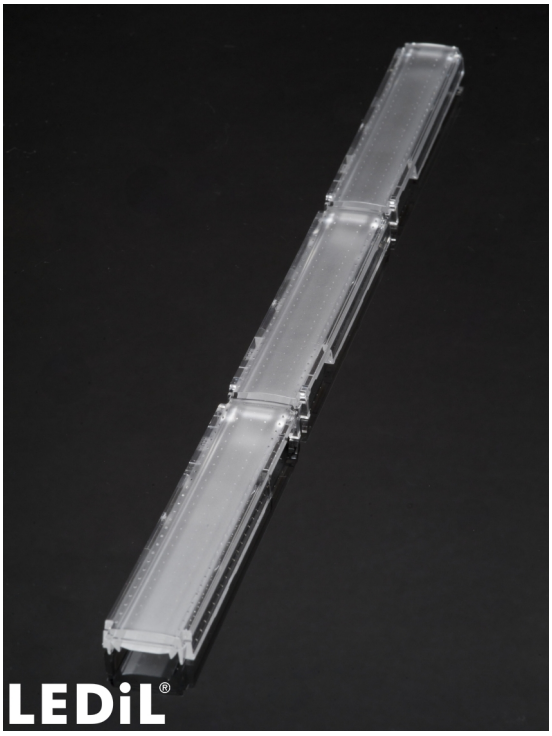
FLORENCE-1R-Z90

~90° + 110° wide beam



TECHNICAL SPECIFICATIONS:

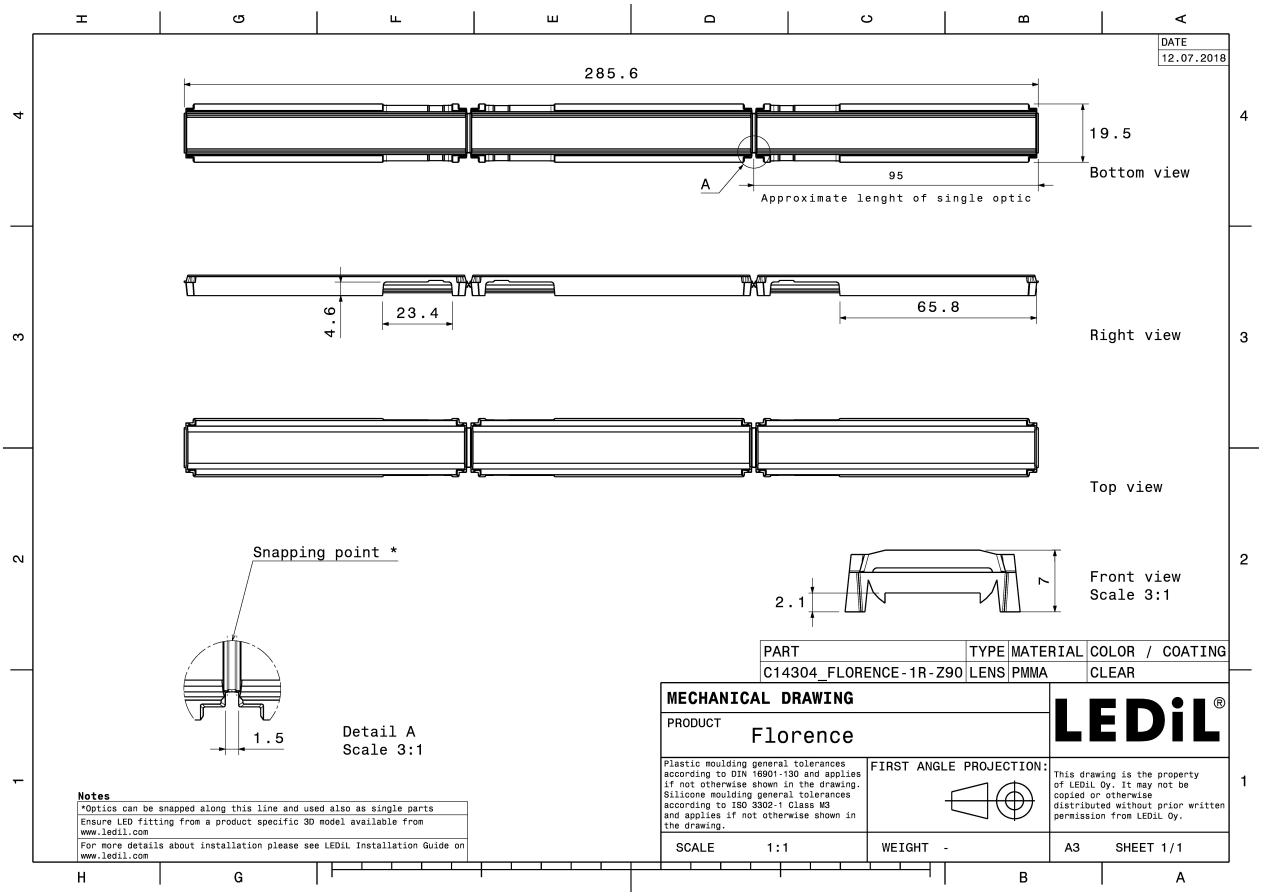
Dimensions	19.5 x 286.0 mm
Height	7 mm
Fastening	clips
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
FLORENCE-1R-Z90	Linear lens	PMMA	clear	

ORDERING INFORMATION:

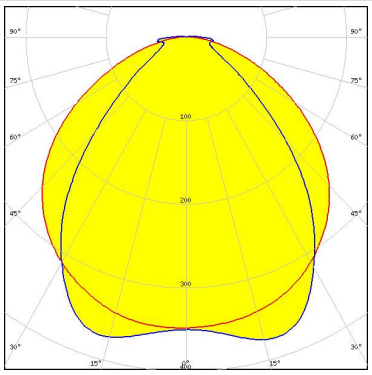
Component	Qty in box	MOQ	MPQ	Box weight (kg)
F14304_FLORENCE-1R-Z90 » Box size: 398 x 298 x 265 mm	165	45	15	7.5



PHOTOMETRIC DATA (MEASURED):

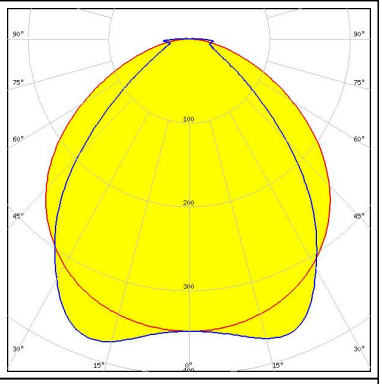
aled

LED	CALGD0414-M8W1
FWHM	89.0 + 115.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



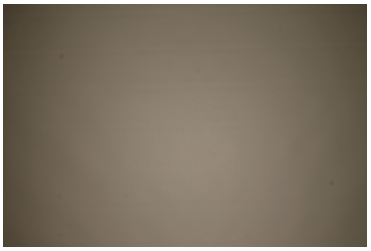
aled

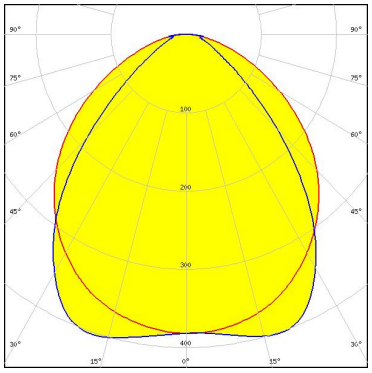
LED	CALGD0814-M17W1
FWHM	90.0 + 114.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CEZOS

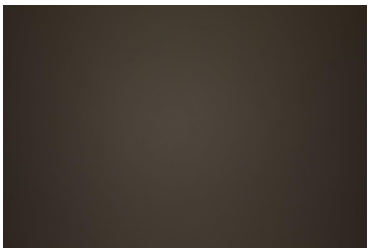
LED	L0-280024-xxx-C0800-L267
FWHM	88.0 + 106.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

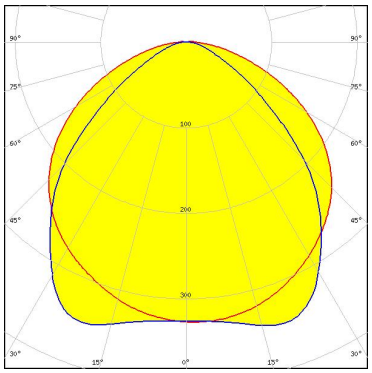




CREE

LED	XH-B/G
FWHM	97.0 + 117.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

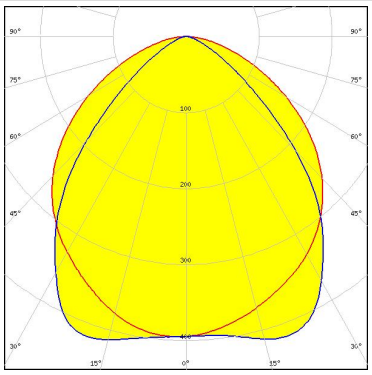




PHOTOMETRIC DATA (MEASURED):

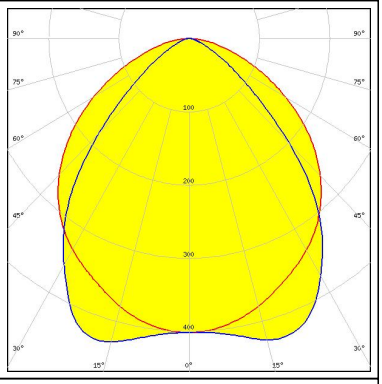
LUMILEDS

LED	LUXEON 3014
FWHM	91.0 + 109.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



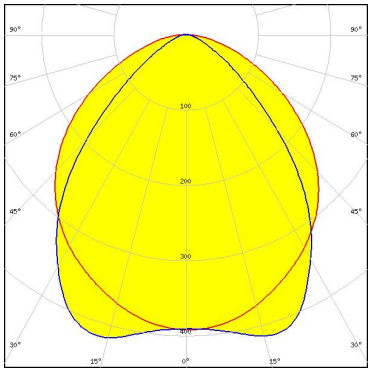
LUMILEDS

LED	LUXEON 3020
FWHM	89.0 + 108.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



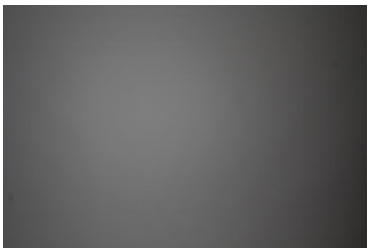
LUMILEDS

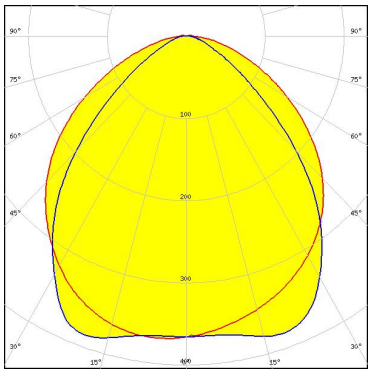
LED	LUXEON 3030 2D (Round LES)
FWHM	88.0 + 108.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

LED	LUXEON 3535 2D
FWHM	92.0 + 110.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

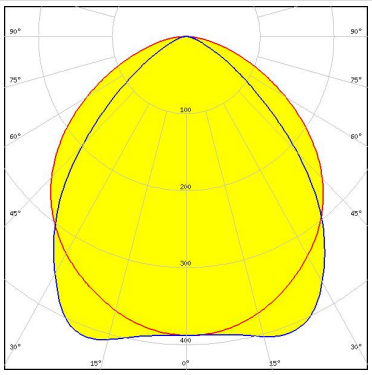




PHOTOMETRIC DATA (MEASURED):

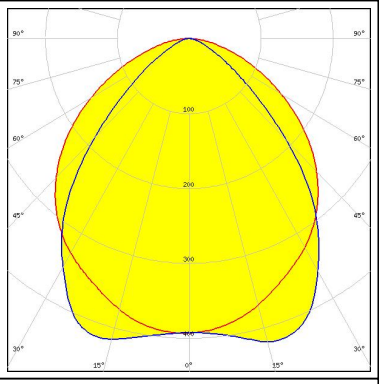
LUMILEDS

LED	LUXEON 3535L
FWHM	92.0 + 109.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



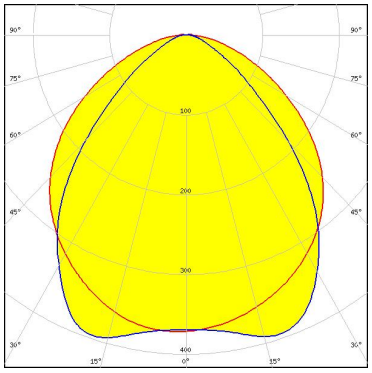
LUMINUS

LED	MP-2016
FWHM	89.0 + 108.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



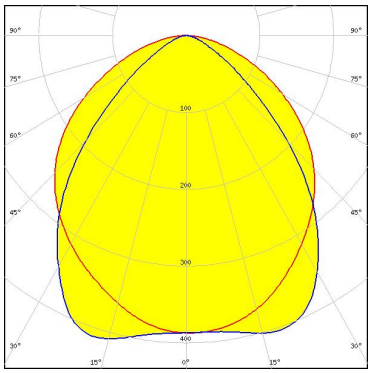
NICHIA

LED	NF2x757D
FWHM	90.0 + 110.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NF2x757G
FWHM	90.0 + 108.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

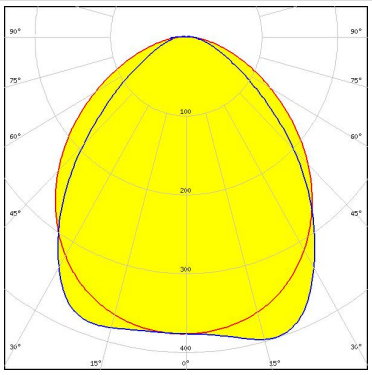


PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NFSW757H
FWHM	104.0 + 89.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

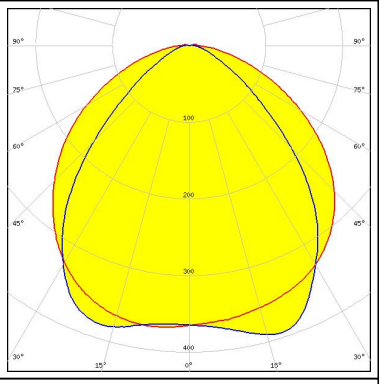
Required components:
C14353_FLORENCE-1R-CLIP-A



OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM	90.0 + 113.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

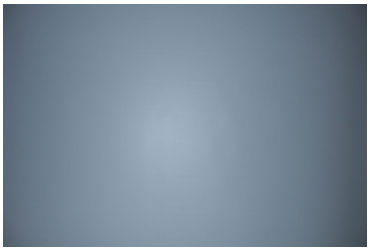
Required components:

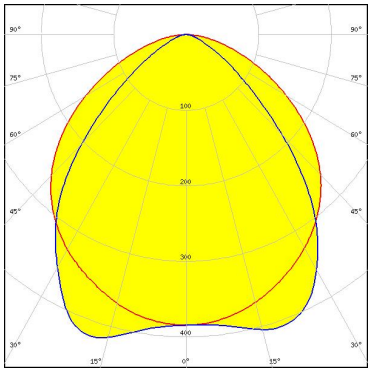


SAMSUNG

LED	LM28xB Series
FWHM	91.0 + 111.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

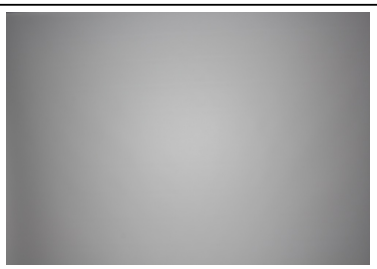


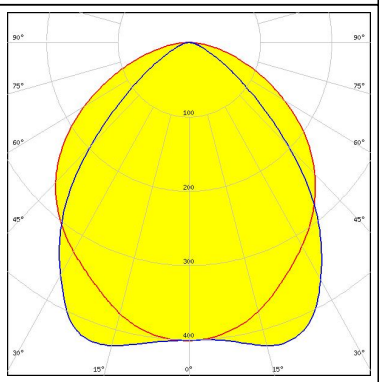


SAMSUNG

LED	LM301A
FWHM	89.0 + 109.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

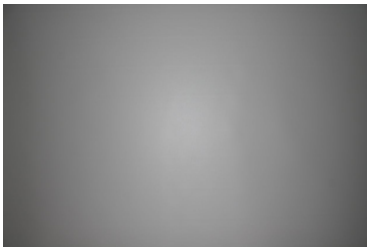


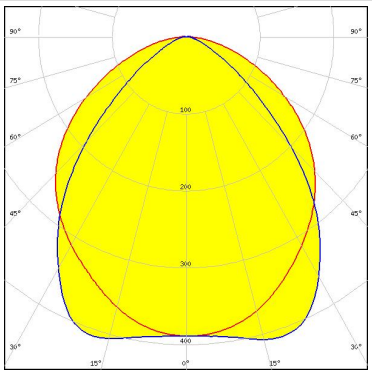


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

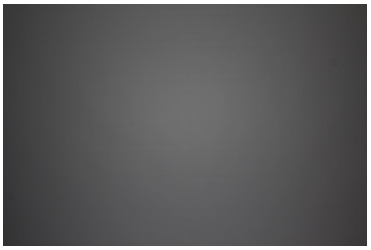
LED	LM302A
FWHM	90.0 + 108.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

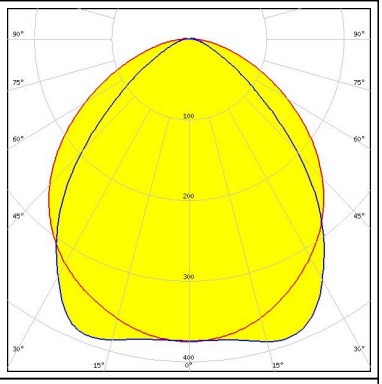




SAMSUNG

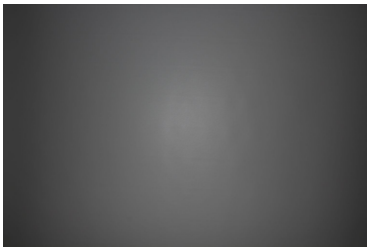
LED	LM561B
FWHM	91.0 + 109.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

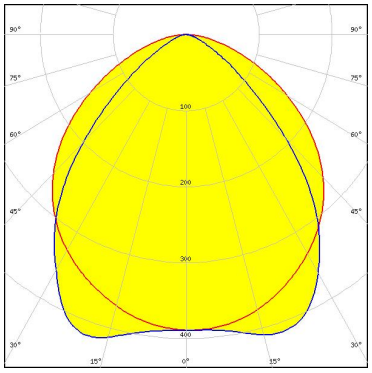




SAMSUNG

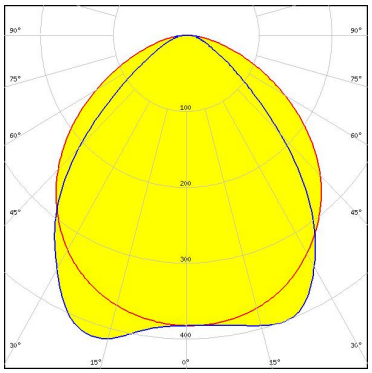
LED	LM561C
FWHM	90.0 + 110.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





SAMSUNG

LED	LT-S282N
FWHM	91.0 + 109.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

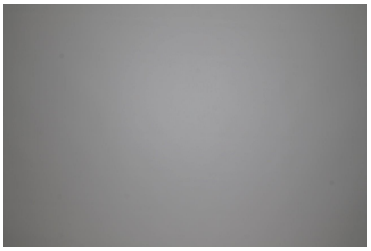


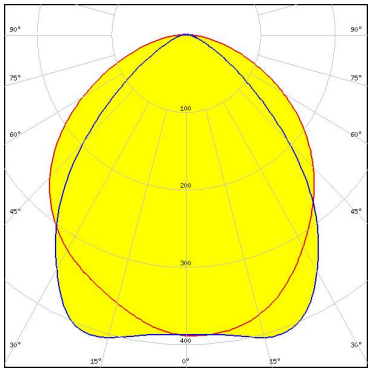
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	SEOUL 3030
FWHM	90.0 + 109.0°
Efficiency	92 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



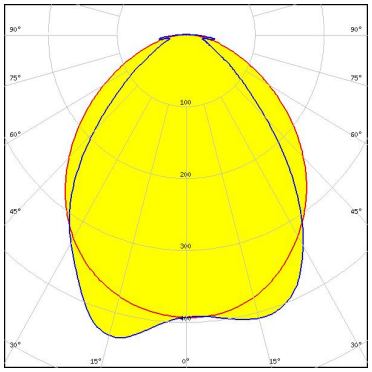


SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030
FWHM	103.0 + 86.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

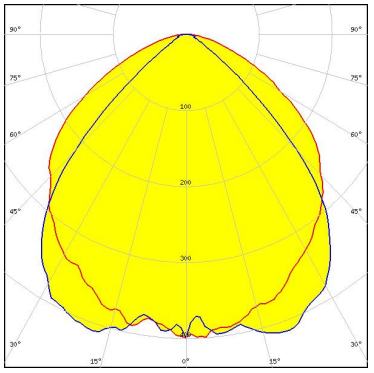
C14353_FLORENCE-1R-CLIP-A



PHOTOMETRIC DATA (SIMULATED):

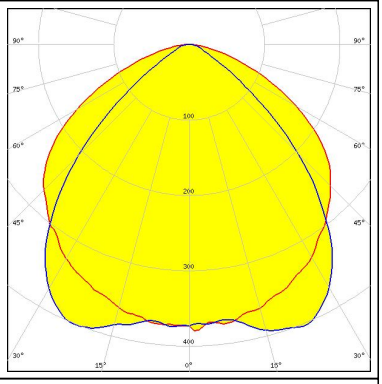
LUMILEDS

LED	LUXEON 2835 Line
FWHM	90.0 + 111.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



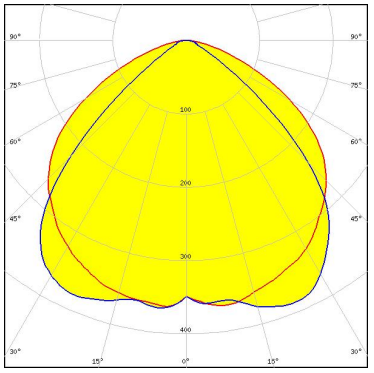
LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	91.0 + 111.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



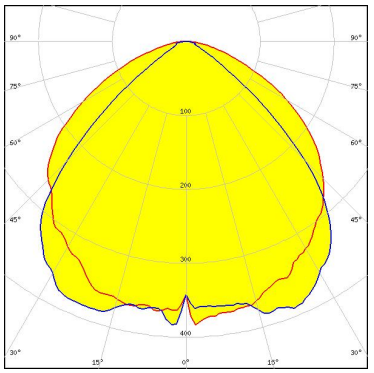
OSRAM
Opto Semiconductors

LED	Duris E 2835
FWHM	94.0 + 106.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM	112.0 + 94.0°
Efficiency	93 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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.

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