STRADELLA-IP-28-HB-M

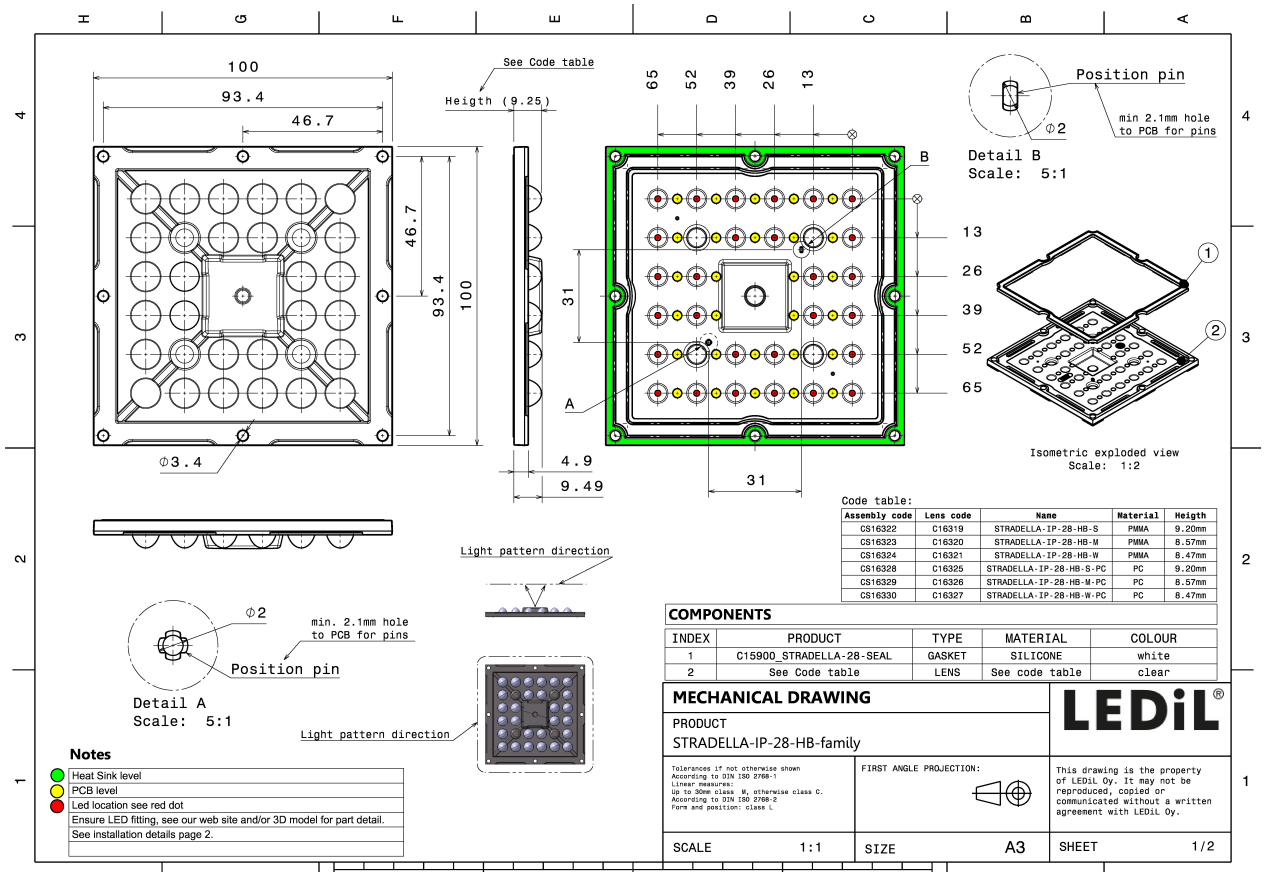
~65° medium beam. Variant made from PMMA.

TECHNICAL SPECIFICATIONS:

Dimensions	100.0 mm
Height	9.5 mm
Fastening	pin, screw
Colour	clear
Box size	476 x 273 x 247 mm
Box weight	5.8 kg
Quantity in Box	156 pcs
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
STRADELLA-IP-28-HB-M	Multi-lens	PMMA	
STRADELLA-28-SEAL	Seal	Silicone	white



Code table:

Assembly code	Lens code	Name	Material	Heigth
CS16322	C16319	STRADELLA-IP-28-HB-S	PMMA	9.20mm
CS16323	C16320	STRADELLA-IP-28-HB-M	PMMA	8.57mm
CS16324	C16321	STRADELLA-IP-28-HB-W	PMMA	8.47mm
CS16328	C16325	STRADELLA-IP-28-HB-S-PC	PC	9.20mm
CS16329	C16326	STRADELLA-IP-28-HB-M-PC	PC	8.57mm
CS16330	C16327	STRADELLA-IP-28-HB-W-PC	PC	8.47mm

COMPONENTS

INDEX	PRODUCT	TYPE	MATERIAL	COLOUR
1	C15900_STRADELLA-28-SEAL	GASKET	SILICONE	white
2	See Code table	LENS	See code table	clear

MECHANICAL DRAWING

PRODUCT
STRADELLA-IP-28-HB-family

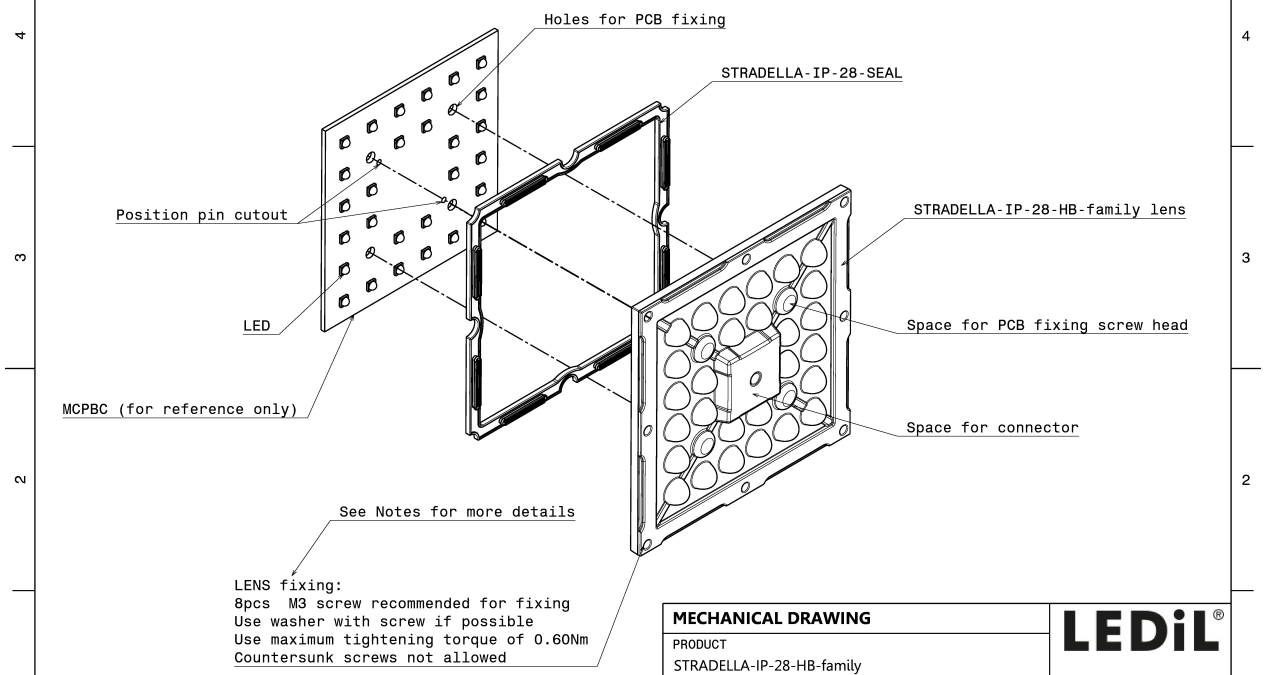
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class W, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

SCALE 1:1 | SIZE A3 | SHEET 1/2

Notes

- Heat Sink level
- PCB level
- Led location see red dot
- Ensure LED fitting, see our web site and/or 3D model for part detail.
- See installation details page 2.



MECHANICAL DRAWING

PRODUCT
STRADELLA-IP-28-HB-family

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class W, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

FIRST ANGLE PROJECTION:

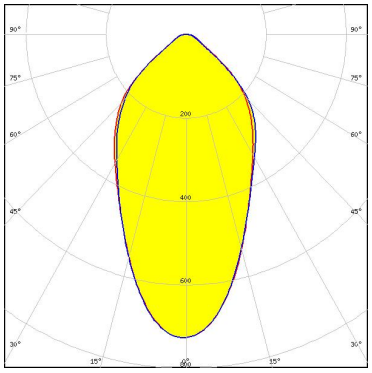
SCALE 1:1 | SIZE A3 | SHEET 2/2

Notes

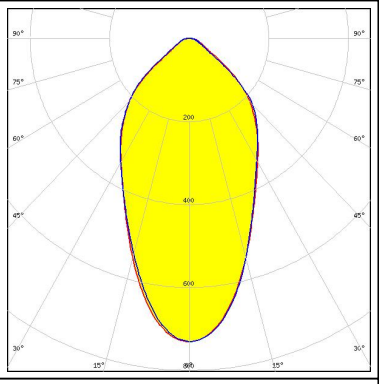
- Please see more details for fastening in LEDiL Installation guide, www.ledil.com
- Seal is tested to work in LEDiL's test assemblies. Customer is recommended to test the sealing in the end product due many variables, such as heat sink surface and possible chemical traces.

PHOTOMETRIC DATA (MEASURED):

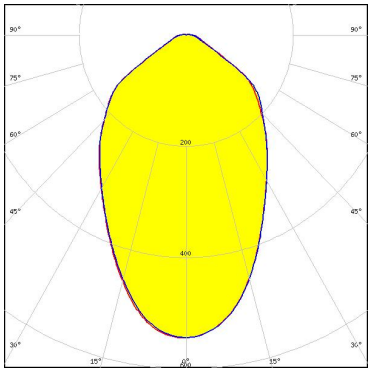
LED	HiQLED STR28 CR JE2835 4x7 xxx
FWHM	56.0°
Efficiency	92 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



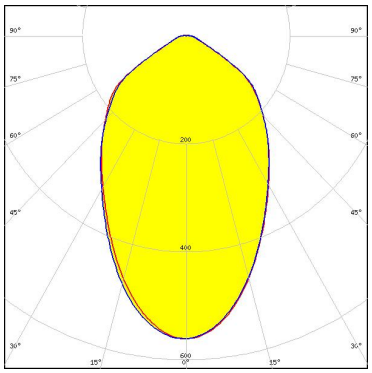
LED	HiQLED STR28 CR JĐš3030 4x7 xxx
FWHM	55.0°
Efficiency	92 %
Peak intensity	0.730 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LED	QUICK FLUX STR28 XD2x14 xxx G8
FWHM	71.0°
Efficiency	92 %
Peak intensity	0.540 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



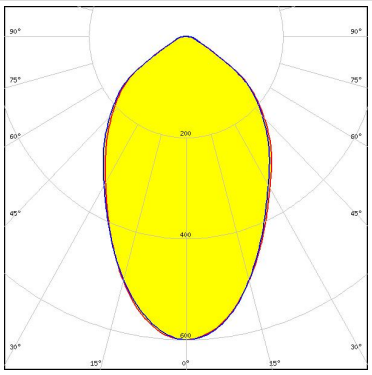
LED	QUICK FLUX STR28 XP2x14 xxx G7
FWHM	71.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

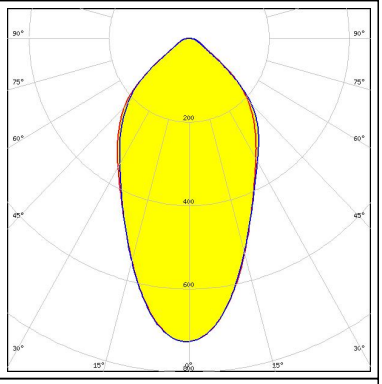
COMET ELECTRONICS

LED	QUICK FLUX STR28 XT2x14 xxx G5
FWHM	70.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



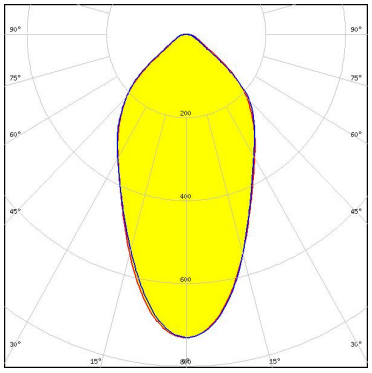
CREE

LED	J Series 2835
FWHM	56.0°
Efficiency	92 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



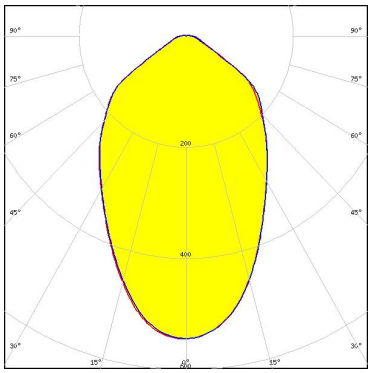
CREE

LED	J Series 3030
FWHM	55.0°
Efficiency	92 %
Peak intensity	0.730 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

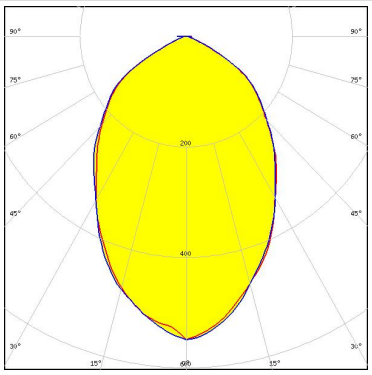
LED	XD16
FWHM	71.0°
Efficiency	92 %
Peak intensity	0.540 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

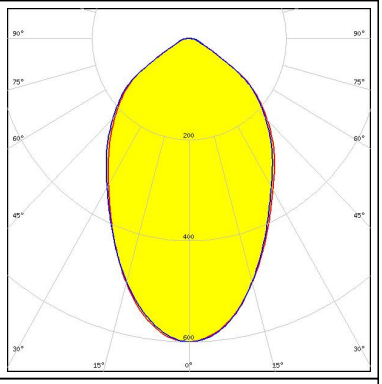
CREE

LED	XP-G3
FWHM	71.0°
Efficiency	94 %
Peak intensity	0.560 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



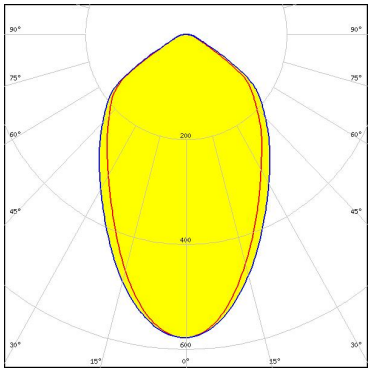
CREE

LED	XT-E
FWHM	70.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



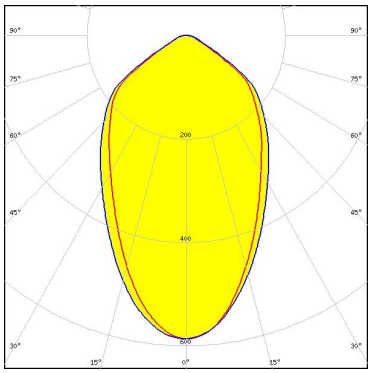
NICHIA

LED	NF2W585AR
FWHM	68.0°
Efficiency	93 %
Peak intensity	0.578 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

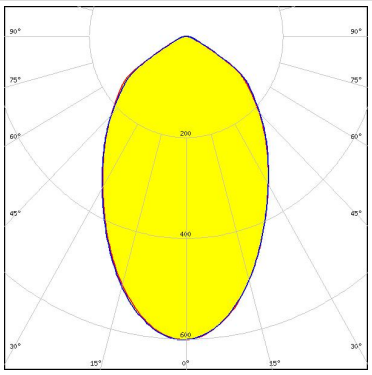
LED	NF2W585AR
FWHM	67.0°
Efficiency	93 %
Peak intensity	0.587 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

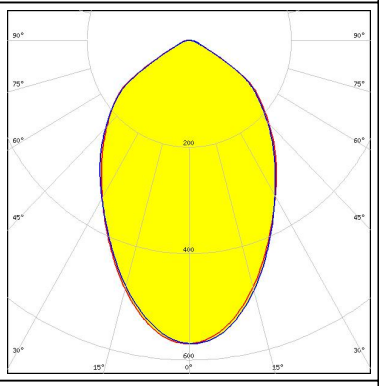
NICHIA

LED	NVSW219F
FWHM	69.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



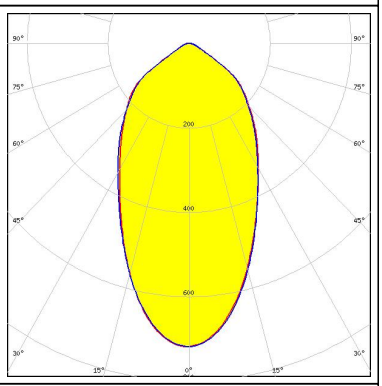
NICHIA

LED	NVSW319B
FWHM	74.0°
Efficiency	94 %
Peak intensity	0.570 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



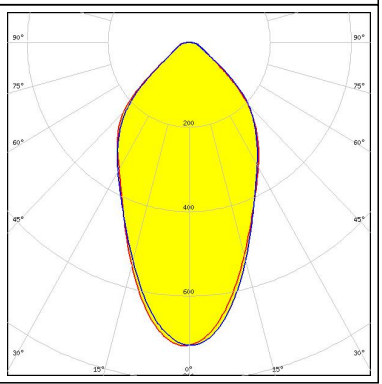
OSRAM
Opto Semiconductors

LED	OSCONIQ S 3030
FWHM	57.0°
Efficiency	94 %
Peak intensity	0.719 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

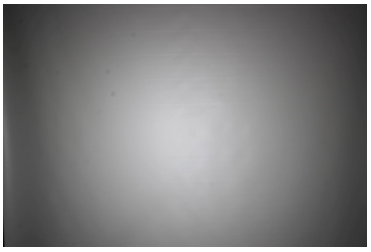
LED	HiLOM SC28 (LH181B)
FWHM	57.0°
Efficiency	91 %
Peak intensity	0.720 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

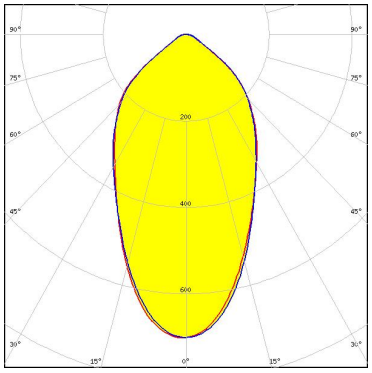


PHOTOMETRIC DATA (MEASURED):

SAMSUNG

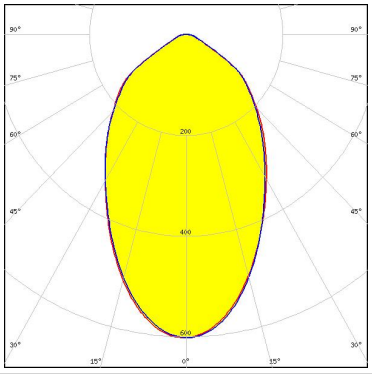
LED	HiLOM SM28 (LM301B)
FWHM	58.0°
Efficiency	93 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





SEOUL SEMICONDUCTOR

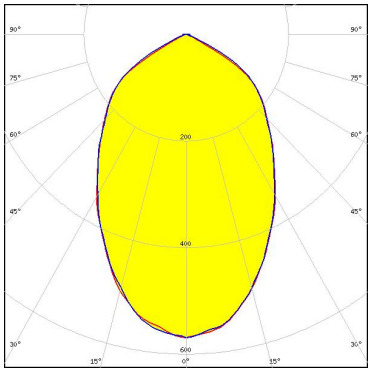
LED	Z5M3
FWHM	67.0°
Efficiency	94 %
Peak intensity	0.600 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

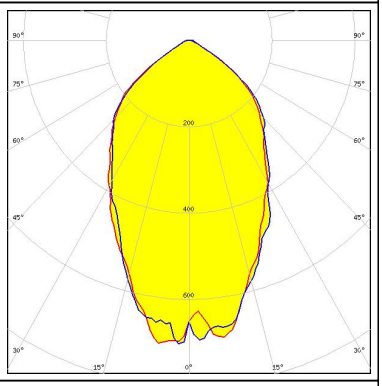
CREE

LED	XP-G2 HE
FWHM	74.0°
Efficiency	95 %
Peak intensity	0.571 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



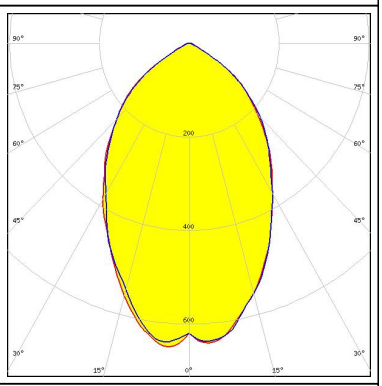
LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM	58.0°
Efficiency	92 %
Peak intensity	0.760 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



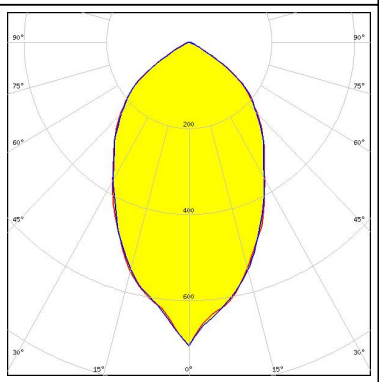
LUMILEDS

LED	LUXEON 5050 Round LES
FWHM	69.0°
Efficiency	94 %
Peak intensity	0.650 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

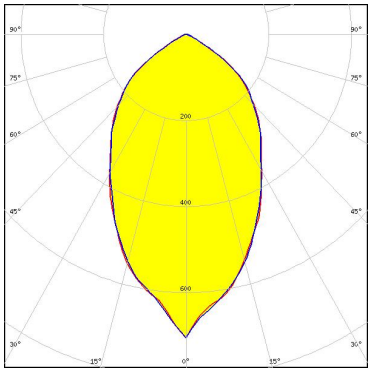
LED	NF2x757G
FWHM	63.0°
Efficiency	94 %
Peak intensity	0.710 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

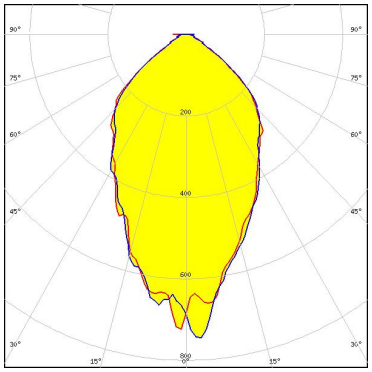
NICHIA

LED	NF2x757G
FWHM	63.0°
Efficiency	94 %
Peak intensity	0.710 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



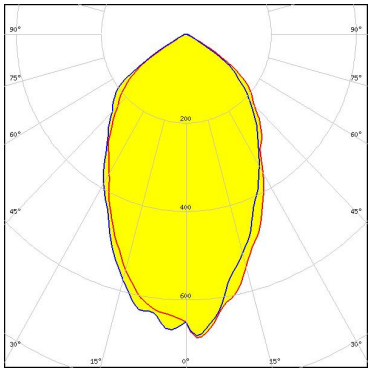
NICHIA

LED	NVSxE21A
FWHM	58.0°
Efficiency	92 %
Peak intensity	0.736 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



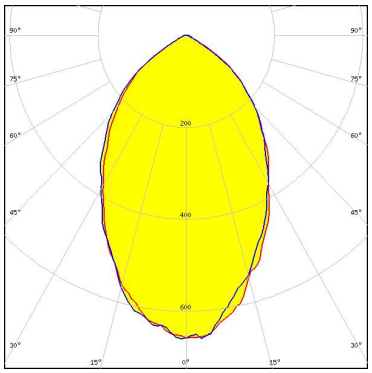
OSRAM Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM	64.0°
Efficiency	94 %
Peak intensity	0.960 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM Opto Semiconductors

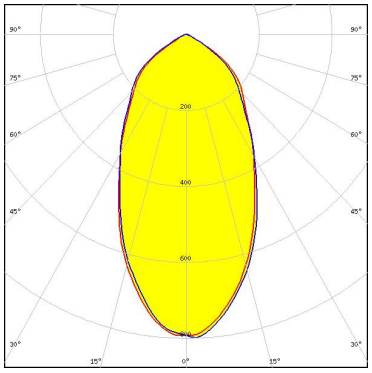
LED	Duris S8
FWHM	67.0°
Efficiency	94 %
Peak intensity	0.690 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

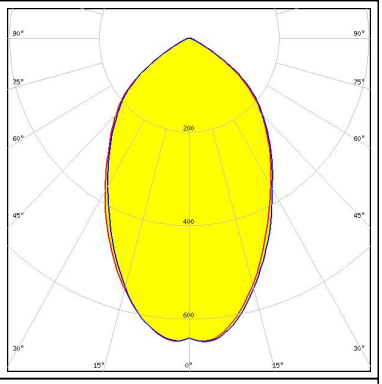
OSRAM Opto Semiconductors

LED	OSCONIQ P 3030
FWHM	56.0°
Efficiency	96 %
Peak intensity	0.801 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



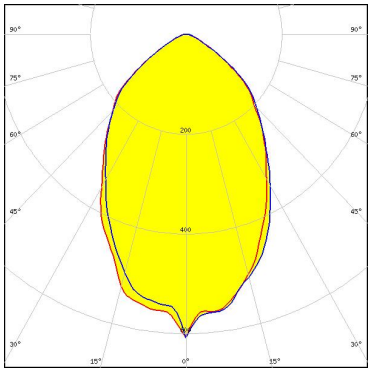
OSRAM Opto Semiconductors

LED	OSCONIQ P 3737 (2W version)
FWHM	68.0°
Efficiency	94 %
Peak intensity	0.650 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



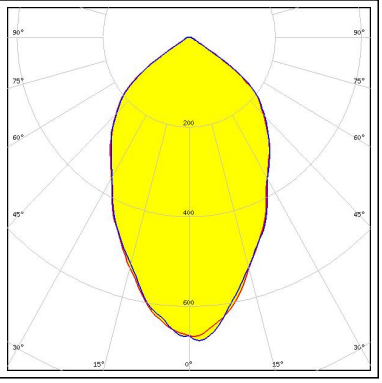
OSRAM Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	68.0°
Efficiency	93 %
Peak intensity	0.610 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH181B
FWHM	65.0°
Efficiency	94 %
Peak intensity	0.680 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

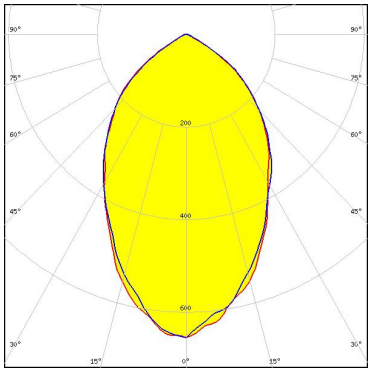


PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LH351B
FWHM	71.0°
Efficiency	94 %
Peak intensity	0.720 cd/lm
LEDs/each optic	1
Light colour	White

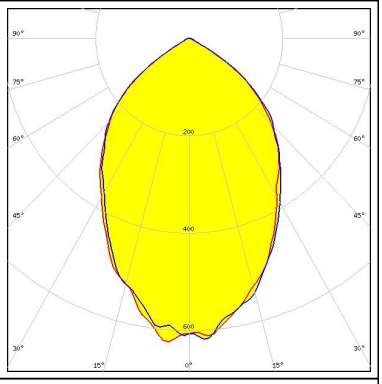
Required components:



SAMSUNG

LED	LH351C
FWHM	75.0°
Efficiency	94 %
Peak intensity	0.683 cd/lm
LEDs/each optic	1
Light colour	White

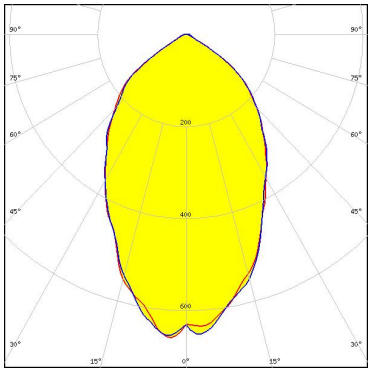
Required components:



SAMSUNG

LED	LM28xB Series
FWHM	66.0°
Efficiency	94 %
Peak intensity	0.670 cd/lm
LEDs/each optic	1
Light colour	White

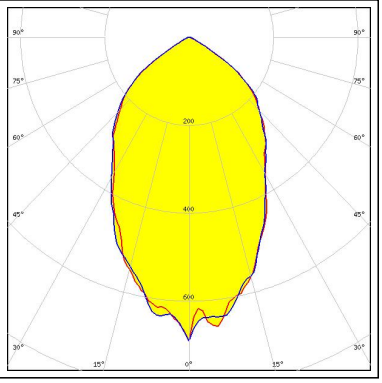
Required components:



SAMSUNG

LED	LM301B
FWHM	63.0°
Efficiency	94 %
Peak intensity	0.700 cd/lm
LEDs/each optic	1
Light colour	White

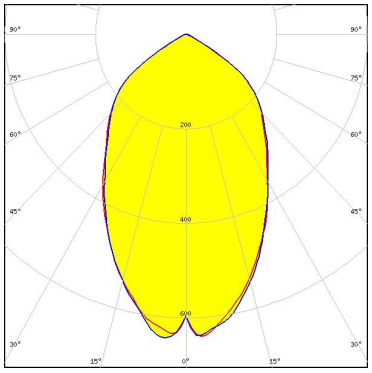
Required components:



PHOTOMETRIC DATA (SIMULATED):

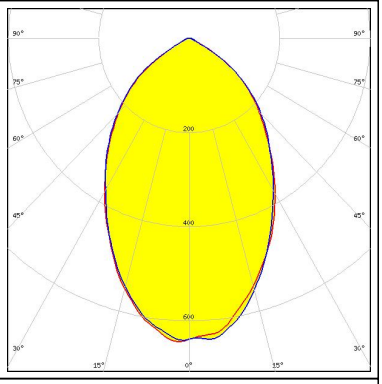
SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030
FWHM	68.0°
Efficiency	96 %
Peak intensity	0.649 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



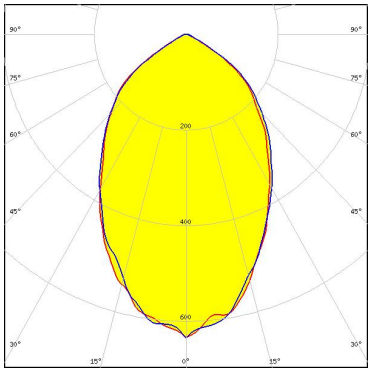
SEOUL SEMICONDUCTOR

LED	SEOUL DC 5050 6V
FWHM	69.0°
Efficiency	94 %
Peak intensity	0.650 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



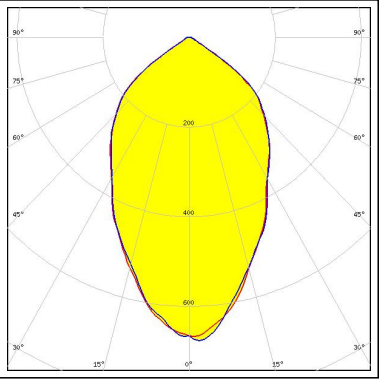
SEOUL SEMICONDUCTOR

LED	Z5M1/Z5M2
FWHM	70.0°
Efficiency	94 %
Peak intensity	0.640 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y19
FWHM	65.0°
Efficiency	94 %
Peak intensity	0.680 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

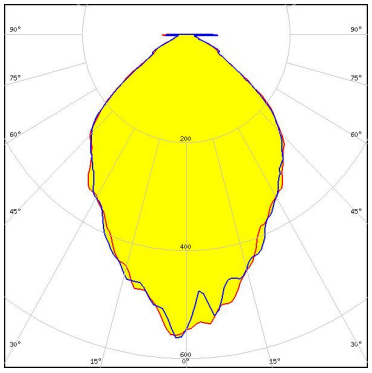


PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y22
FWHM	76.0°
Efficiency	92 %
Peak intensity	0.586 cd/lm
LEDs/each optic	1
Light colour	White

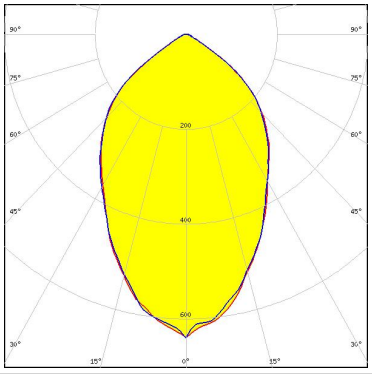
Required components:



SEOUL SEMICONDUCTOR

LED	Z8Y22T
FWHM	69.0°
Efficiency	94 %
Peak intensity	0.640 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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy