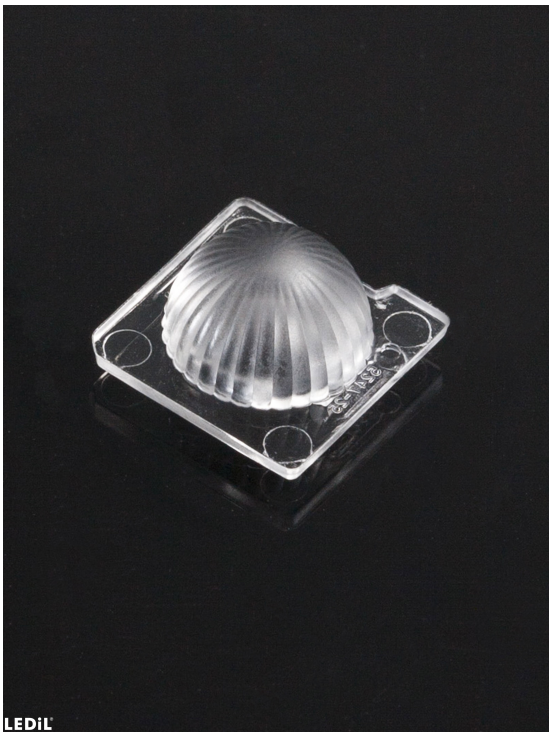
STRADELLA-HB-W

~90° wide beam for industrial applications



SPECIFICATION:

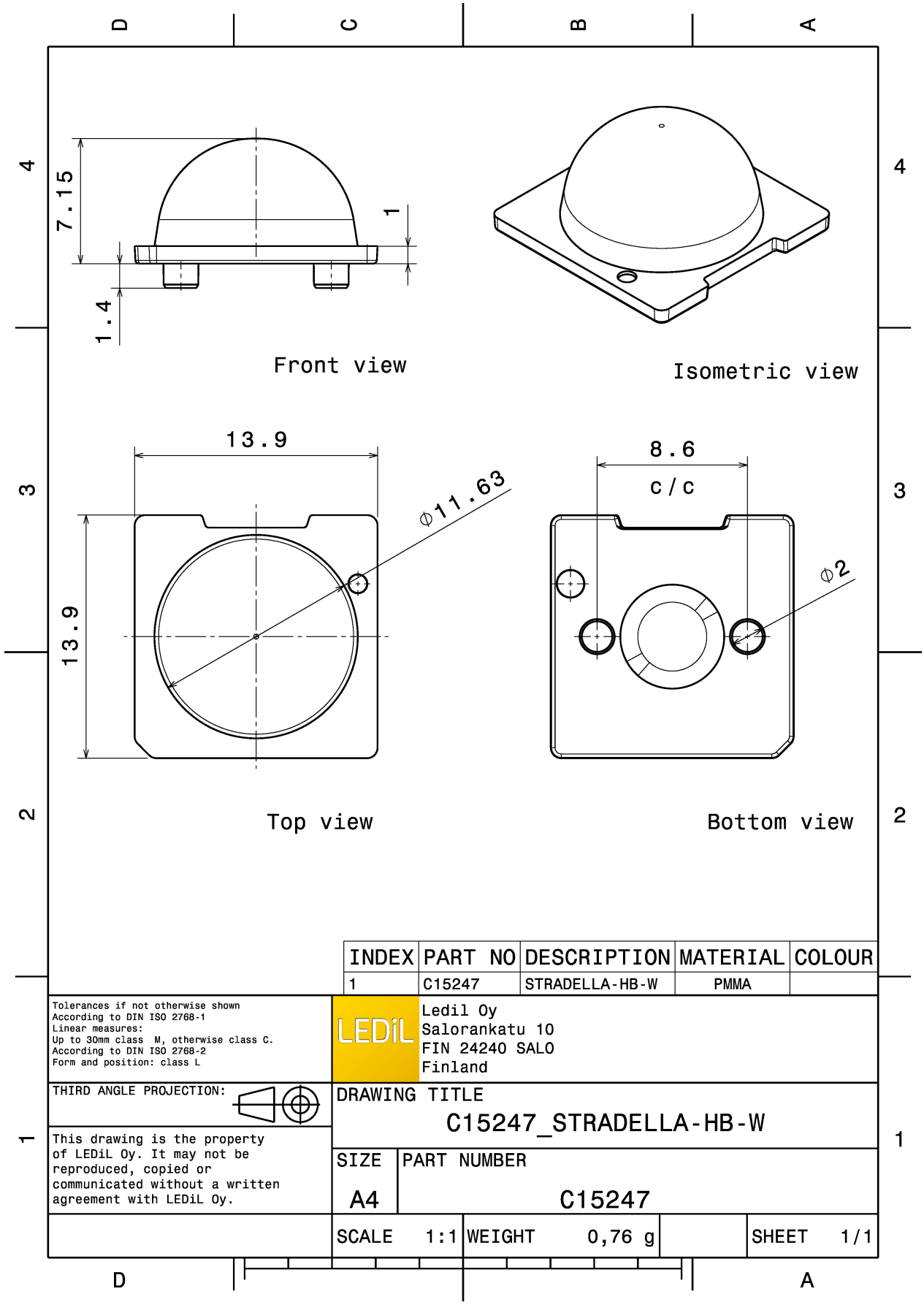
Dimensions	13.9 x 13.9
Height	7.1 mm
Fastening	pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
STRADELLA-HB-W	Single lens	PMMA	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C15247_STRADELLA-HB-W » Box size: 480 x 250 x 390 mm	16000	1000	1000	11.9



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C15247	STRADELLA-HB-W	PMMA	

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

THIRD ANGLE PROJECTION:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
C15247_STRADELLA-HB-W

SIZE	PART NUMBER
A4	C15247

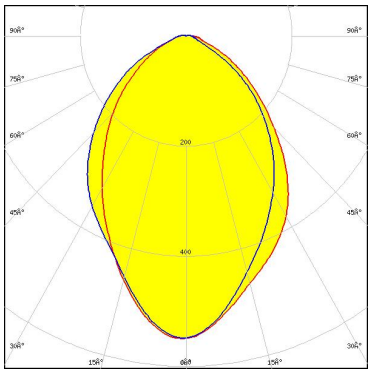
SCALE	WEIGHT	SHEET
1:1	0,76 g	1/1

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

OPTICAL RESULTS (MEASURED):

CREE LEDs

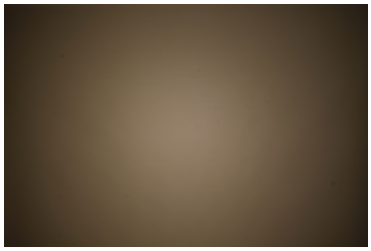
LED	J Series 3030
FWHM / FWTM	77.0° / 133.0°
Efficiency	96 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

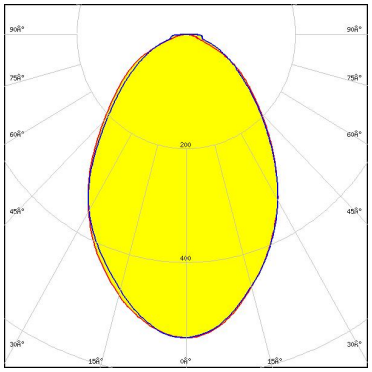


Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	76.0° / 138.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

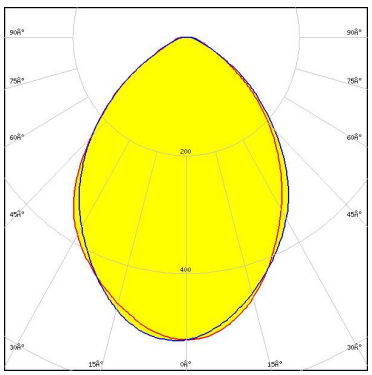




Light distribution files

NICHIA

LED	NVSW219D
FWHM / FWTM	83.0° / 131.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

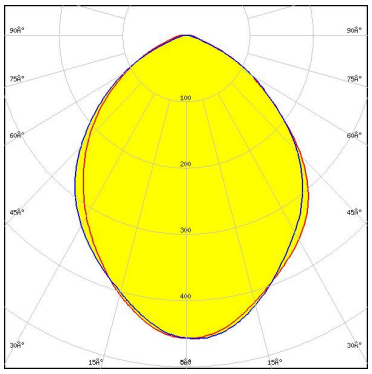


Light distribution files

OPTICAL RESULTS (MEASURED):

NICHIA

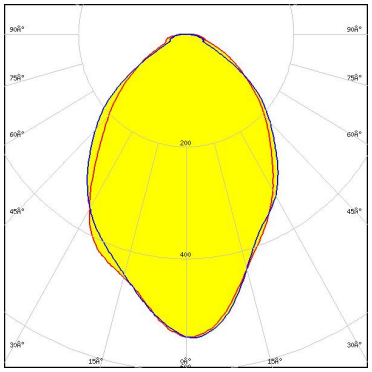
LED	NVSW319B
FWHM / FWTM	92.0° / 139.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH181B
FWHM / FWTM	77.0° / 131.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

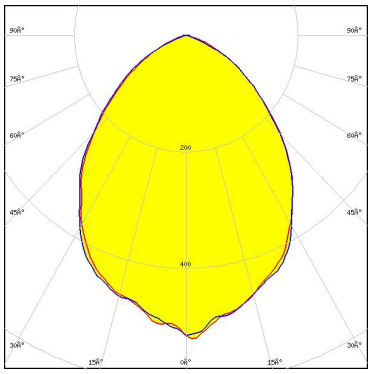


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

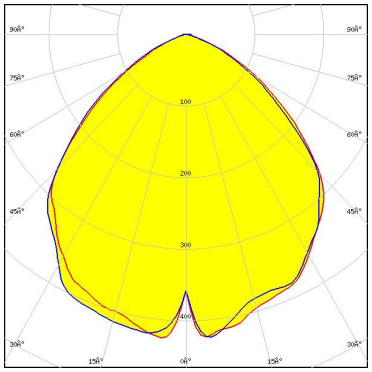
LED	J Series 2835
FWHM / FWTM	86.0° / 133.0°
Efficiency	96 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

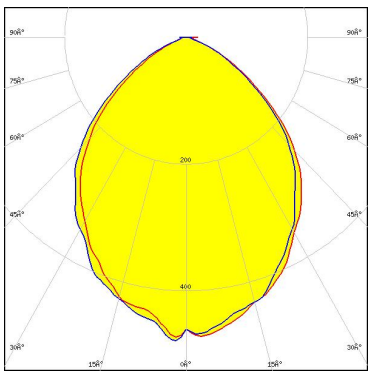
LED	XP-E2
FWHM / FWTM	100.0° / 136.0°
Efficiency	96 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	Green
Required components:	



Light distribution files

CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	91.0° / 133.0°
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (SIMULATED):

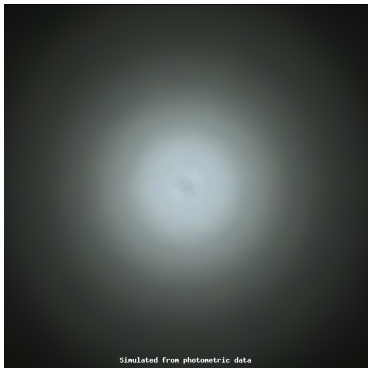
LUMILEDS

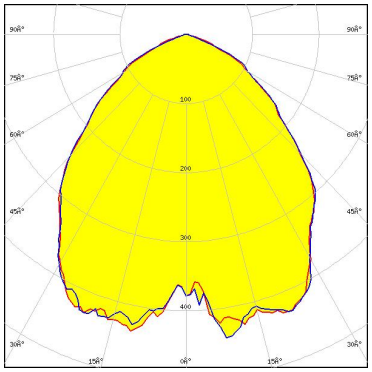
LED	LUXEON IR Domed 150 (L1I0-0xxx150000000)
FWHM / FWTM	115.0° / 150.0°
Efficiency	92 %
LEDs/each optic	1
Light colour/type	White
Required components:	

Light distribution files

LUMINUS

LED	SFT-12R-WES
FWHM / FWTM	94.0° / 138.0 + 136.0°
Efficiency	97 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

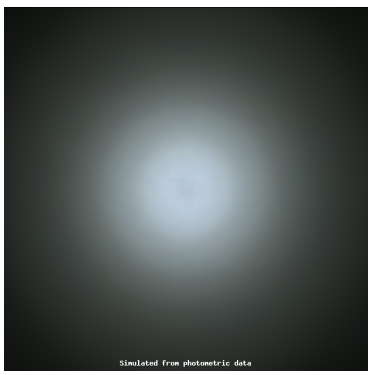


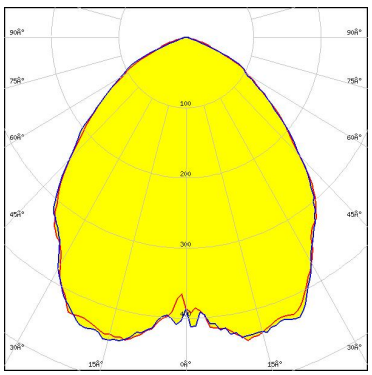


Light distribution files

LUMINUS

LED	SFT-25R
FWHM / FWTM	93.0 + 94.0° / 137.0 + 136.0°
Efficiency	97 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



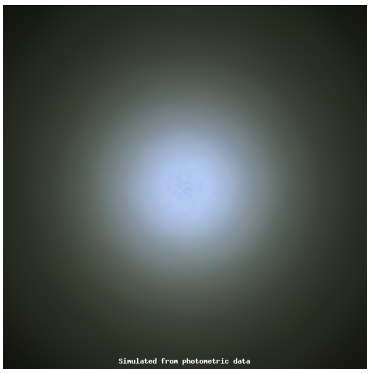


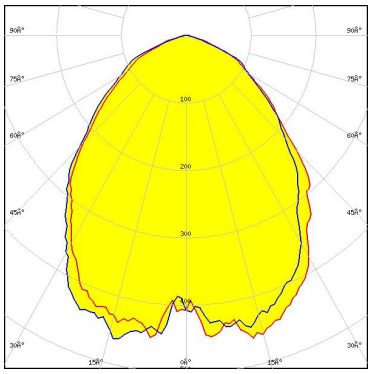
Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	SST-12 Gen2
FWHM / FWTM	90.0 + 88.0° / 140.0°
Efficiency	96 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

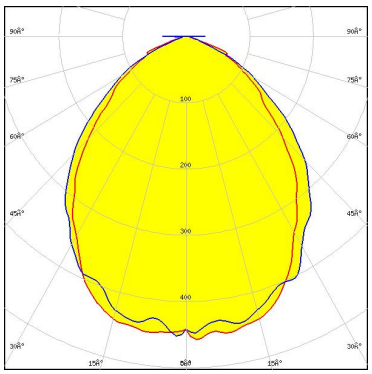




Light distribution files

NICHIA

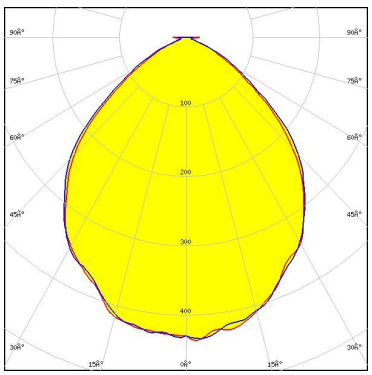
LED	NF2W585AR-P8
FWHM / FWTM	87.0 + 97.0° / 142.0 + 136.0°
Efficiency	95 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NVSW519A
FWHM / FWTM	93.0° / 130.0°
Efficiency	90 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

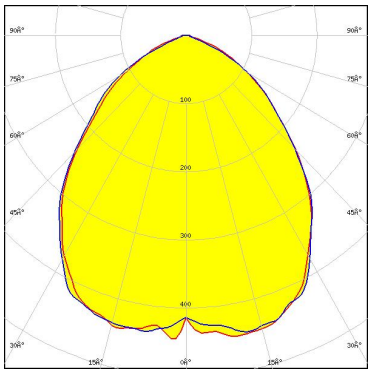


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

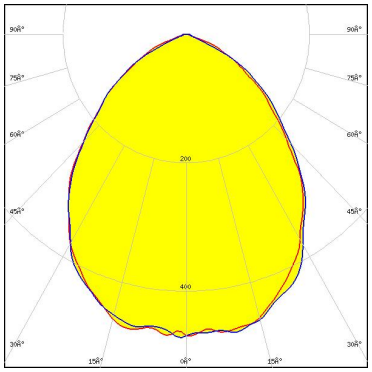
LED	OSCONIQ C 2424
FWHM / FWTM	93.0° / 136.0°
Efficiency	97 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

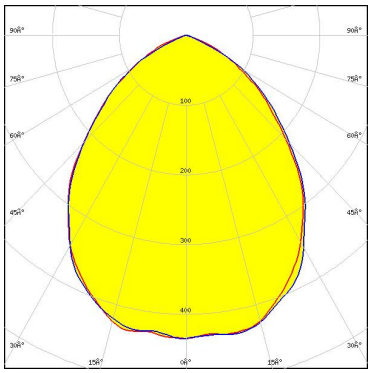
LED	OSCONIQ C 3030
FWHM / FWTM	90.0° / 139.0 + 132.0°
Efficiency	97 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	89.0 + 90.0° / 136.0 + 132.0°
Efficiency	87 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



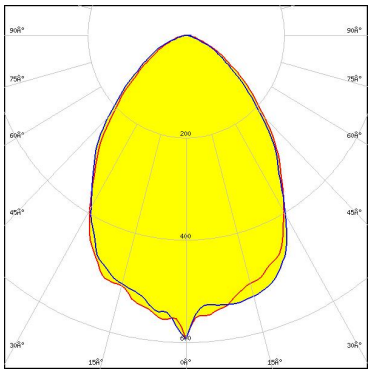
Protective plate, glass

Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

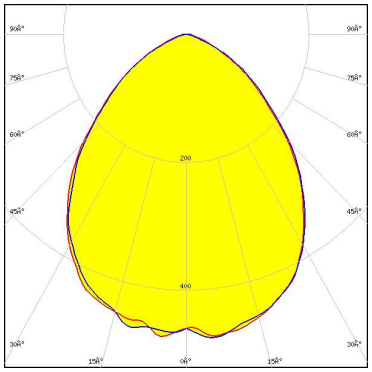
LED	OSCONIQ P 3030
FWHM / FWTM	77.0° / 130.0°
Efficiency	97 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

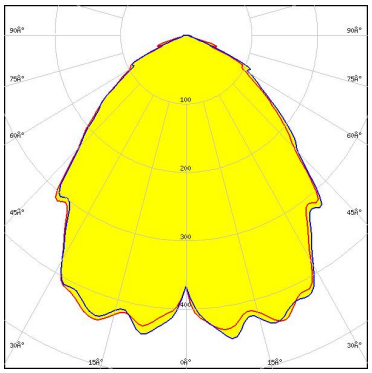
LED	OSCONIQ P 3737 (2W version)
FWHM / FWTM	89.0° / 134.0°
Efficiency	94 %
Peak intensity	0.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
FWHM / FWTM	92.0° / 143.0 + 135.0°
Efficiency	97 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

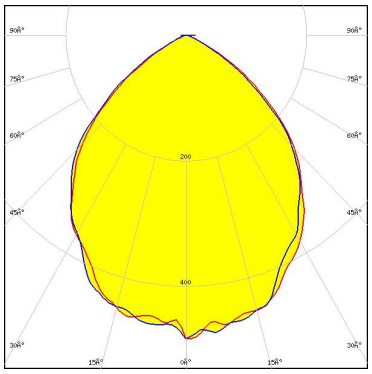


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

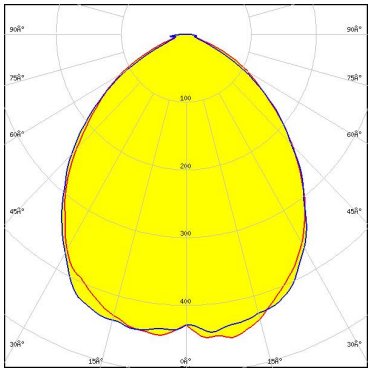
LED	LH351B
FWHM / FWTM	90.0° / 125.0°
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22T
FWHM / FWTM	90.0° / 134.0°
Efficiency	94 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
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:

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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