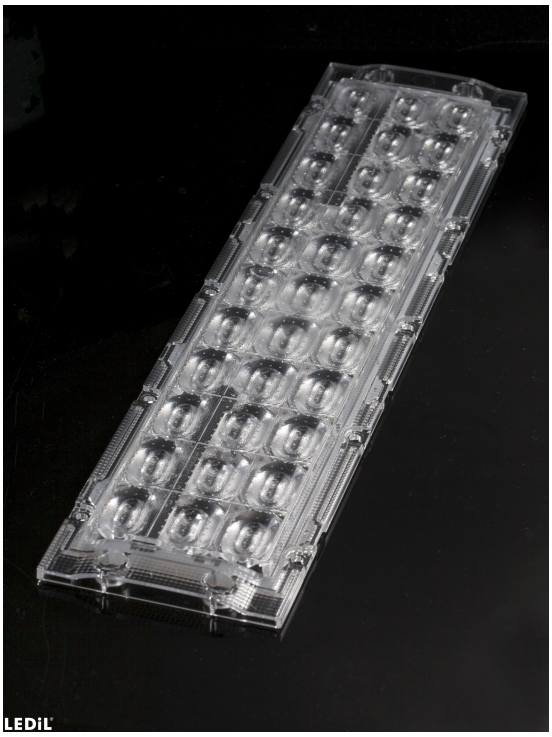
FLORENCE-3R-IP-O

~85° + 40° oval beam



SPECIFICATION:

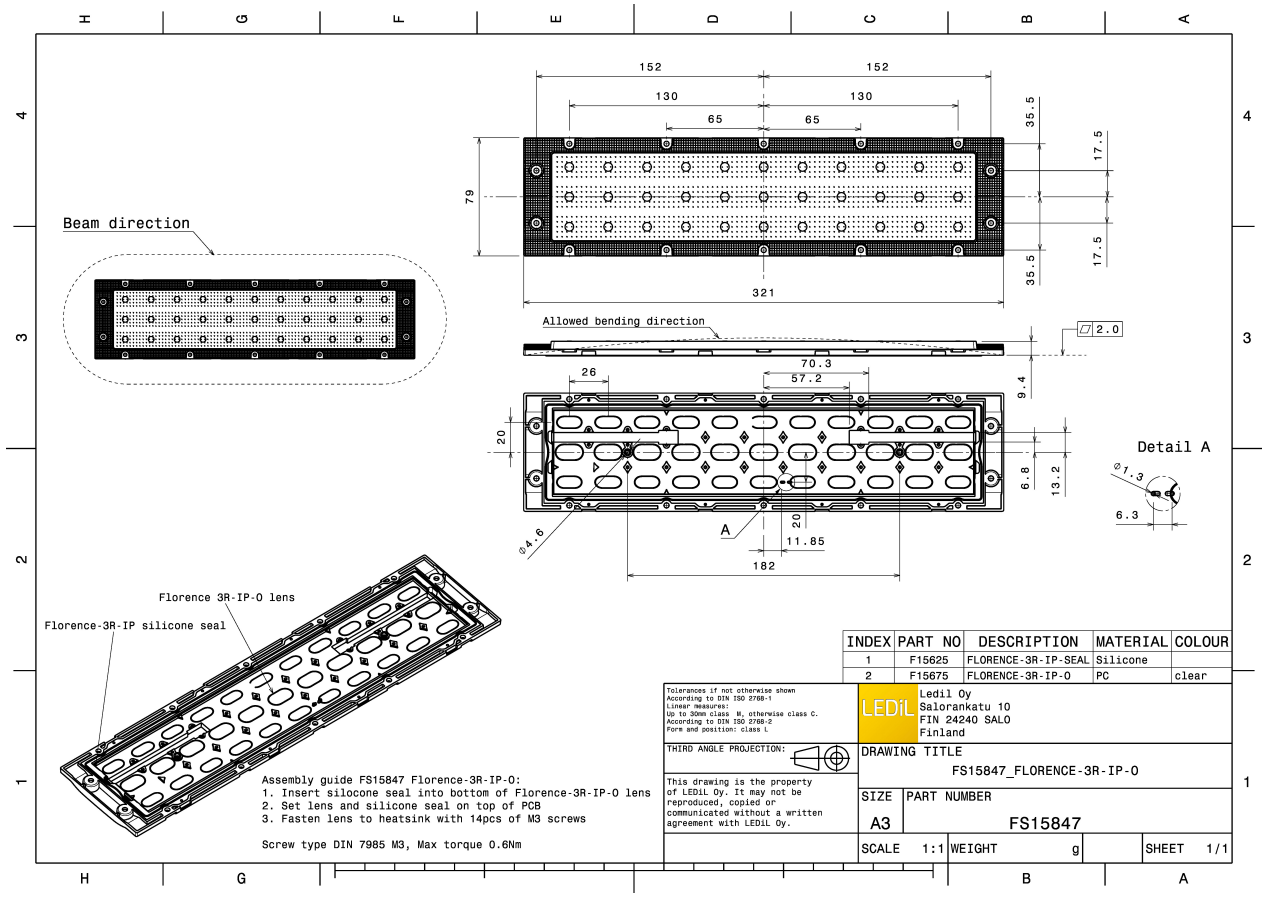
Dimensions	321.0 x 79.0
Height	9.4 mm
Fastening	screw
Ingress protection classes	IP67
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
FLORENCE-3R-IP-O	Linear lens	PC	clear		
FLORENCE-3R-IP-SEAL	Seal	Silicone	clear		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FS15847_FLORENCE-3R-IP-O » Box size: 356 x 356 x 292 mm	Linear lens	80	80	4	13.0



INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	F15625	FLORENCE-3R-IP-SEAL	Silicone	
2	F15675	FLORENCE-3R-IP-O	PC	clear

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: FS15847_FLORENCE-3R-IP-O

SIZE: A3 | PART NUMBER: FS15847

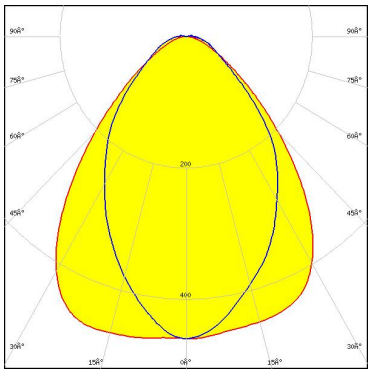
SCALE 1:1 | WEIGHT g | SHEET 1/1

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

OPTICAL RESULTS (MEASURED):

LUMILEDS

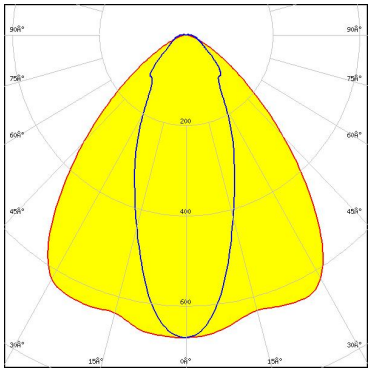
LED	LUXEON 5050 Round LES
FWHM / FWTM	86.0 + 72.0° / 128.0 + 136.0°
Efficiency	86 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

MST Your solutions

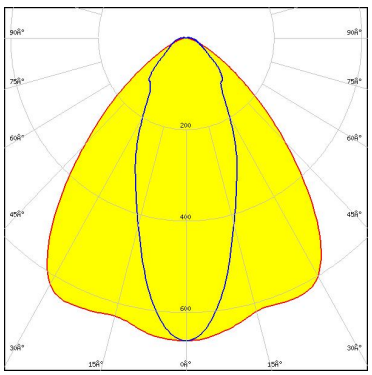
LED	LinLED 280x55mm 1100lm 840 3x11 33V Opt G2
FWHM / FWTM	88.5 + 40.0° / 125.0 + 105.5°
Efficiency	85 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

MST Your solutions

LED	LinLED 280x55mm 2000lm 830 33V Opt G1
FWHM / FWTM	89.0 + 41.0° / 125.0 + 106.5°
Efficiency	85 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

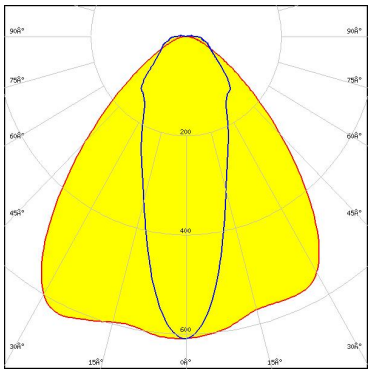


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

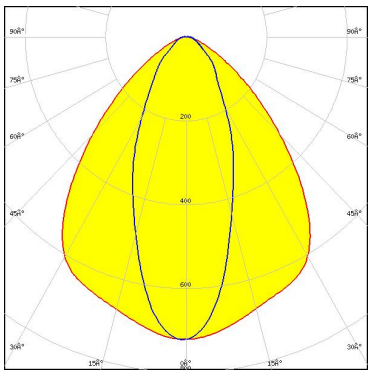
LED	Duris S2
FWHM / FWTM	88.0 + 33.5° / 127.0 + 123.5°
Efficiency	81 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

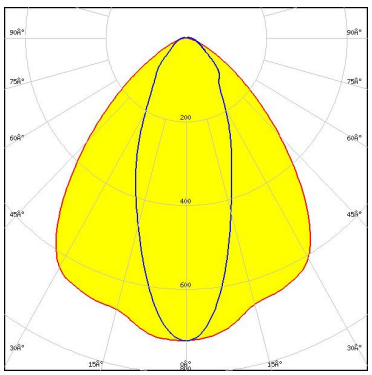
LED	SEOUL 5630C
FWHM / FWTM	87.0 + 41.0° / 127.0 + 99.0°
Efficiency	87 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030
FWHM / FWTM	88.0 + 39.0° / 127.0 + 101.0°
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

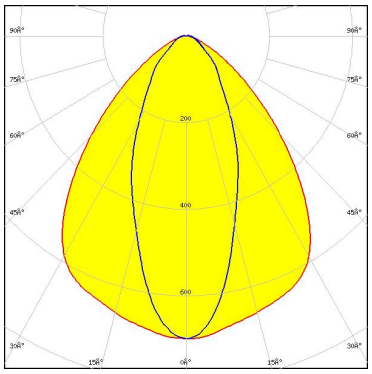


Light distribution files

OPTICAL RESULTS (MEASURED):

TRIDONIC

LED	LLE G2 55x280mm 2000lm
FWHM / FWTM	87.0 + 43.0° / 127.0 + 101.0°
Efficiency	88 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

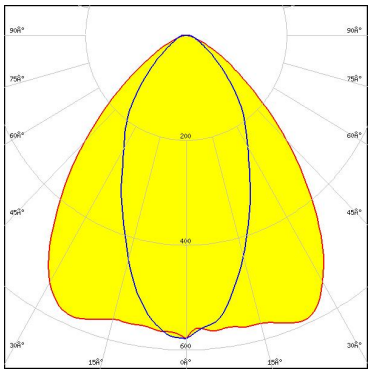


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

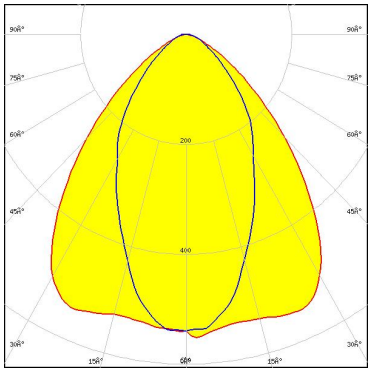
LED	J Series 5050 Round LES
FWHM / FWTM	88.0 + 52.0° / 126.0 + 109.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

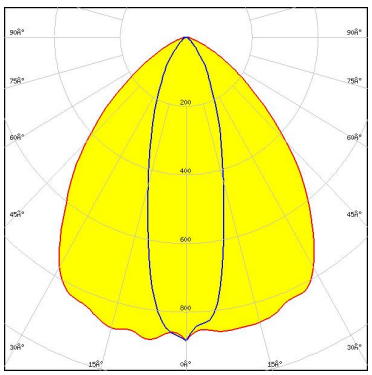
LED	J Series 5050B 6V K Class
FWHM / FWTM	88.0 + 57.0° / 126.0 + 116.0°
Efficiency	89 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	89.0 + 30.0° / 128.0 + 74.0°
Efficiency	87 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

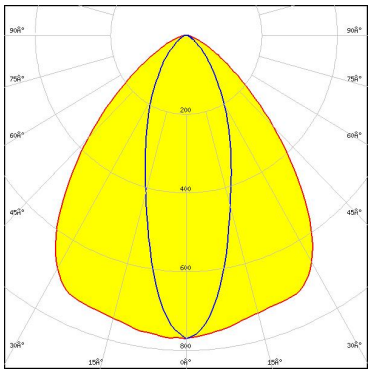


Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA

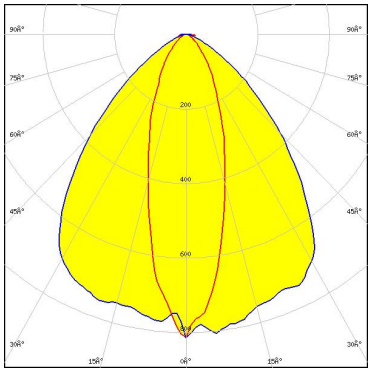
LED	NF2x757D
FWHM / FWTM	86.0 + 34.0° / 126.0 + 89.0°
Efficiency	87 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

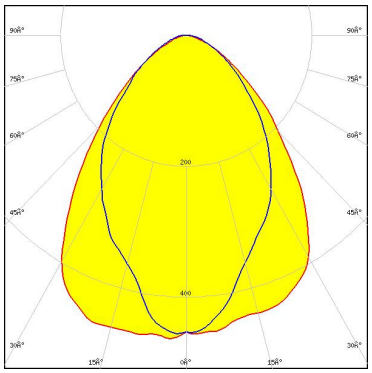
LED	NVSxE21A
FWHM / FWTM	30.0 + 87.0° / 81.0 + 124.0°
Efficiency	86 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

LED	Duris S10
FWHM / FWTM	85.0 + 72.0° / 131.0 + 133.0°
Efficiency	84 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

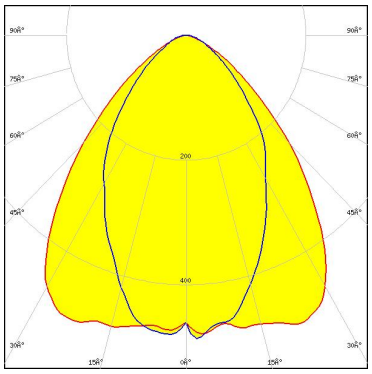


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

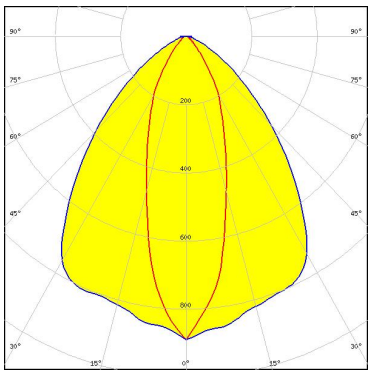
LED	Duris S8
FWHM / FWTM	89.0 + 67.0° / 128.0 + 122.0°
Efficiency	88 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM
Opto Semiconductors

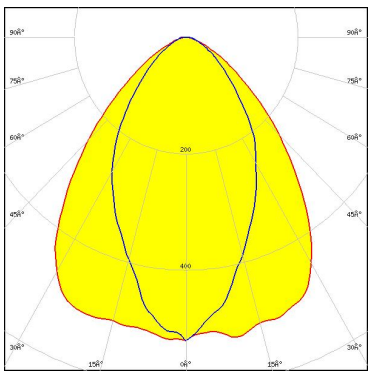
LED	OSCONIQ P 3030
FWHM / FWTM	32.0 + 85.0° / 77.0 + 125.0°
Efficiency	89 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH502D
FWHM / FWTM	87.0 + 59.0° / 129.0 + 119.0°
Efficiency	86 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

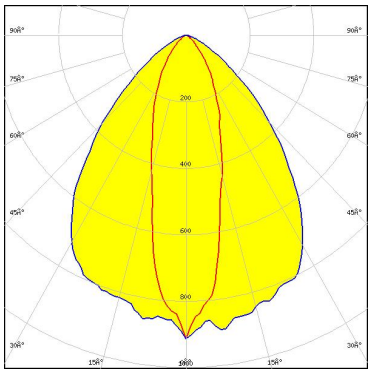


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

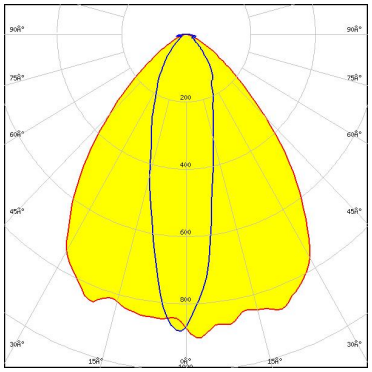
LED	LM302B
FWHM / FWTM	82.0 + 28.0° / 128.0 + 78.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

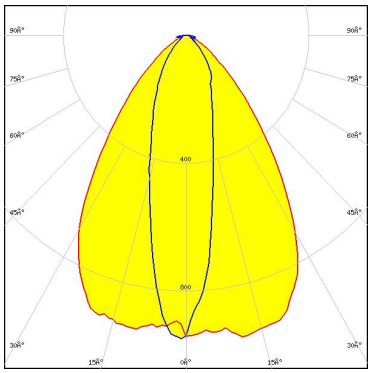
LED	LM302Z
FWHM / FWTM	82.0 + 25.0° / 119.0 + 84.0°
Efficiency	88 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LM302Z
FWHM / FWTM	73.0 + 27.0° / 114.0 + 83.0°
Efficiency	88 %
Peak intensity	1 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	

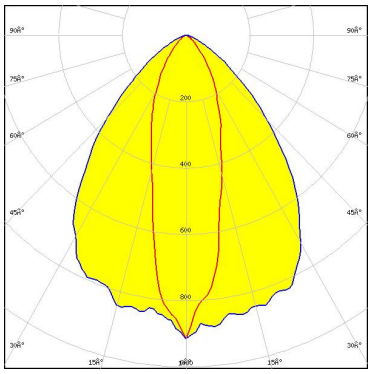


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

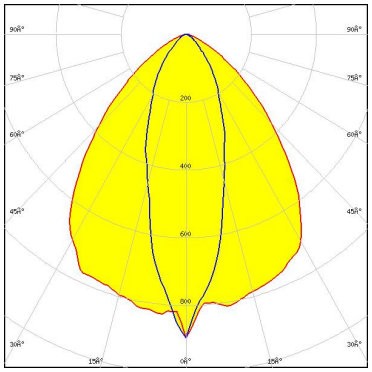
LED	LM561B Plus
FWHM / FWTM	82.0 + 28.0° / 121.0 + 79.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

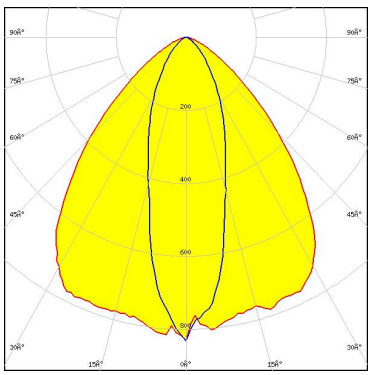
LED	SEOUL DC 3030C
FWHM / FWTM	84.0 + 30.0° / 125.0 + 85.0°
Efficiency	92 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3528
FWHM / FWTM	87.0 + 31.0° / 125.0 + 84.0°
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

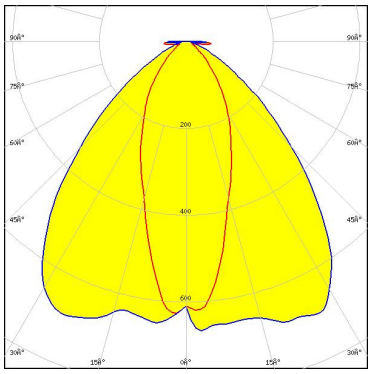


Light distribution files

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

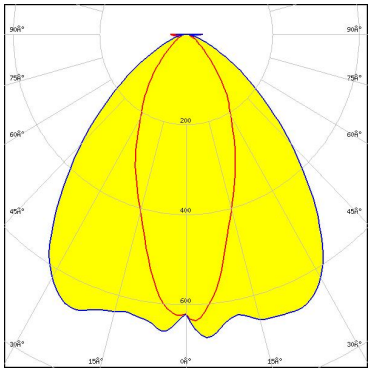
LED	Z8Y22
FWHM / FWTM	90.0 + 40.0° / 128.0 + 95.0°
Efficiency	92 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	91.0 + 40.0° / 131.0 + 95.0°
Efficiency	91 %
Peak intensity	0.7 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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