STRADELLA-16-HB-S-PC

~25° spot beam for industrial applications. Variant made from PC.

SPECIFICATION:

Dimensions	49.5 x 49.5 mm
Height	7.5 mm
Fastening	pin, screw
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
STRADELLA-16-HB-S-PC	Multi-lens	PC	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C16599_STRADELLA-16-HB-S-PC » Box size: 480 x 280 x 300 mm	800	160	160	6.5

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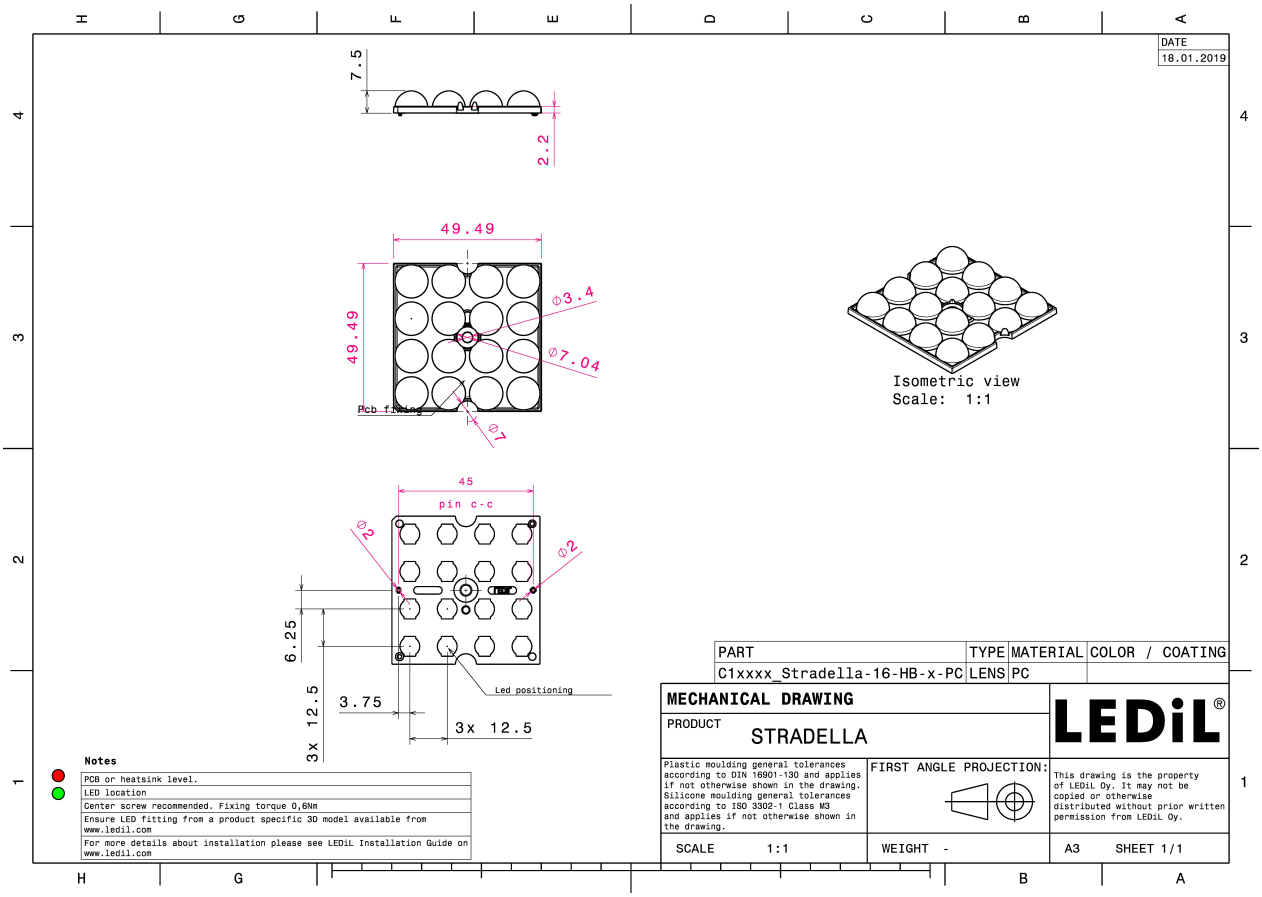

See also our general installation guide: www.ledil.com/installation_guide

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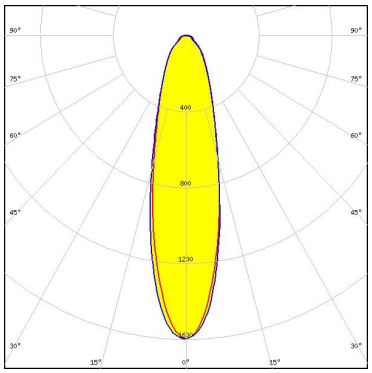
OPTICAL RESULTS (MEASURED):

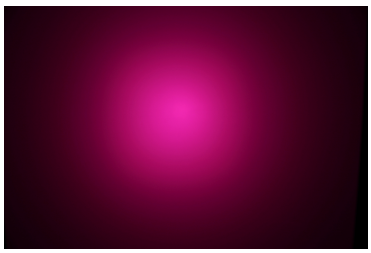
ELECTRIO

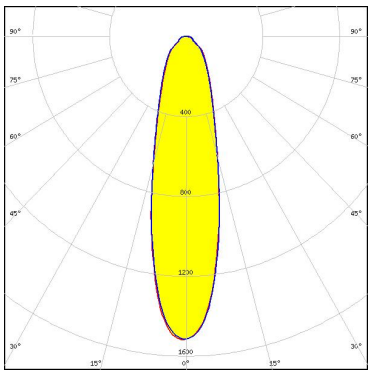
LED	EHP-223.5x50-1604-xx-70-LS30-06-NTC
FWHM / FWTM	27.0° / 77.0°
Efficiency	85 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

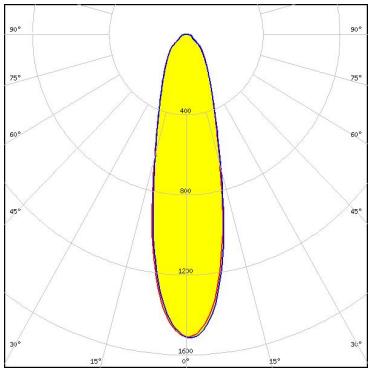
LED	Duris S5 (2 chip)
FWHM / FWTM	27.0° / 81.0°
Efficiency	85 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	Purple
Required components:	





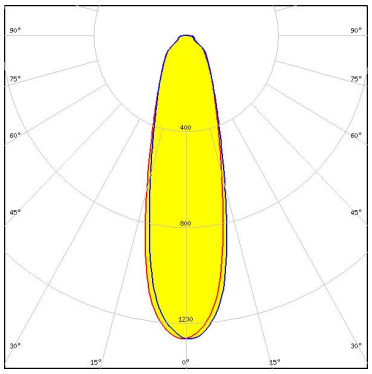
OSRAM
Opto Semiconductors

LED	OSCONIQ S 3030 (QSLR31)
FWHM / FWTM	27.0° / 79.0°
Efficiency	84 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SCIOLUX

LED	XLE-S44XTEHE (XT-E HE)
FWHM / FWTM	30.0° / 90.0°
Efficiency	85 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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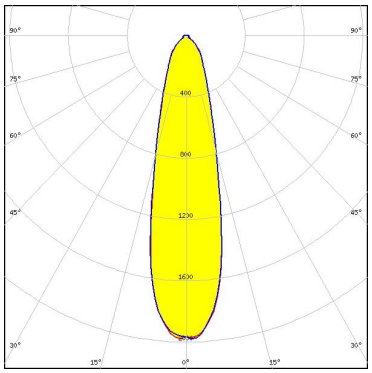
OPTICAL RESULTS (SIMULATED):

bridgelux

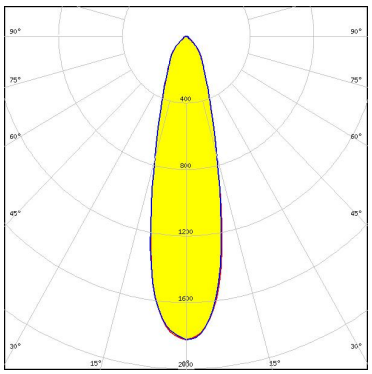
LED	CSP 2727 (BXCP)
FWHM / FWTM	26.0° / 68.0°
Efficiency	86 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



bridgelux

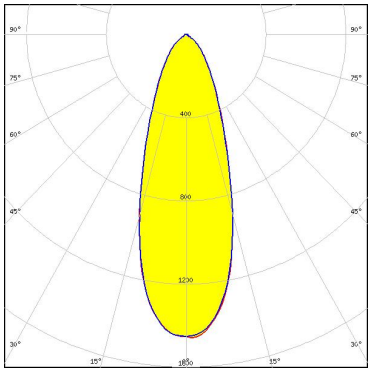
LED	CSP 2727 (BXCP)
FWHM / FWTM	26.0° / 68.0°
Efficiency	77 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

Protective plate, glass



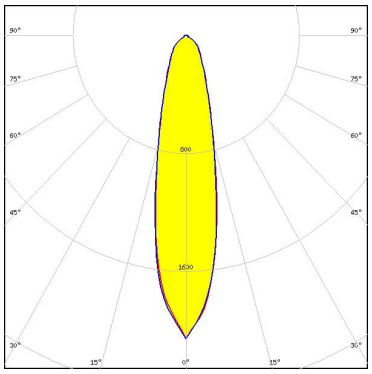
CREE LEDs

LED	XP-G2 HE
FWHM / FWTM	36.0° / 80.0°
Efficiency	86 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XT-E
FWHM / FWTM	24.0° / 66.0°
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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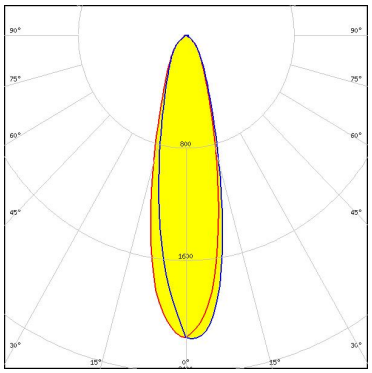
OPTICAL RESULTS (SIMULATED):

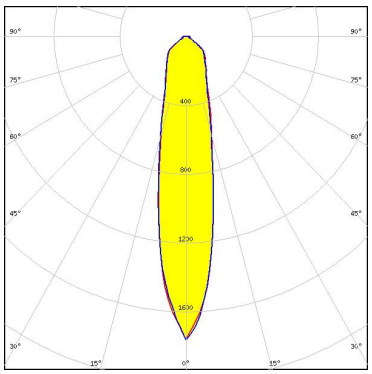
LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	26.0° / 65.0°
Efficiency	86 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



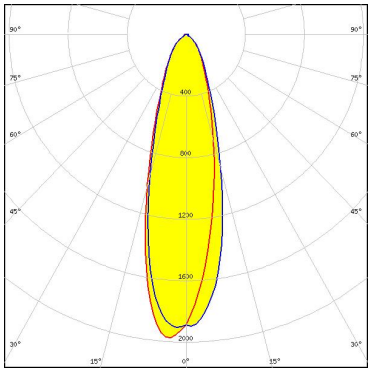
LUMILEDS

LED	LUXEON C
FWHM / FWTM	22.0° / 81.0°
Efficiency	87 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	



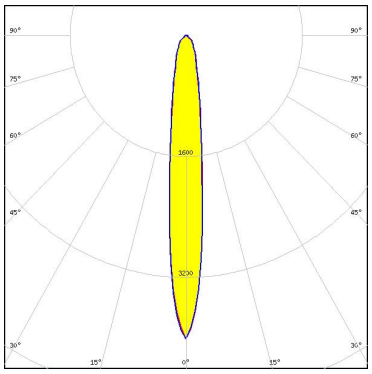
NICHIA

LED	NF2x757G
FWHM / FWTM	27.0° / 68.0°
Efficiency	87 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

LED	NFSWE11A
FWHM / FWTM	12.0° / 42.0°
Efficiency	84 %
Peak intensity	4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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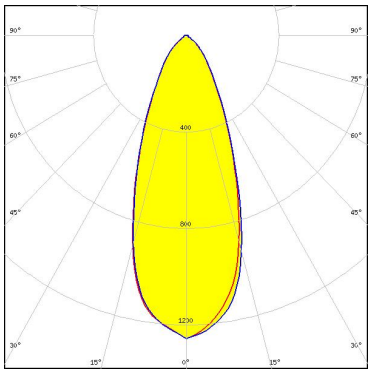
OPTICAL RESULTS (SIMULATED):

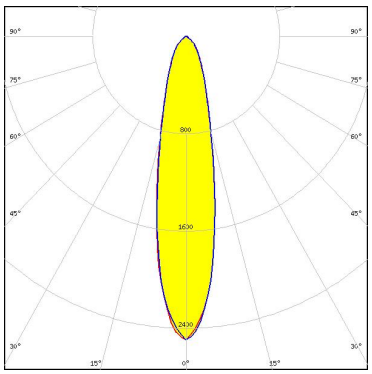
NICHIA

LED	NVSW519A
FWHM / FWTM	40.0° / 84.0°
Efficiency	84 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



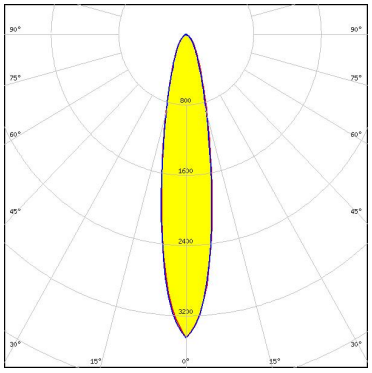
OSRAM
Opto Semiconductors

LED	OSCONIQ C 2424
FWHM / FWTM	22.0° / 61.0°
Efficiency	88 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



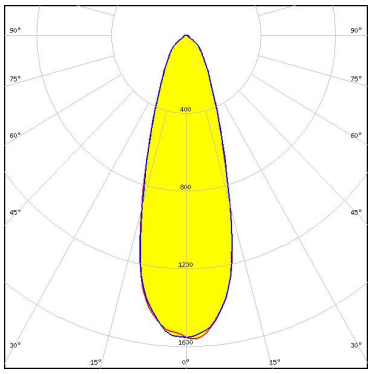
OSRAM
Opto Semiconductors

LED	OSCONIQ P 3030
FWHM / FWTM	20.0° / 50.0°
Efficiency	92 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSCONIQ P 3737 (3W version)
FWHM / FWTM	34.0° / 76.0°
Efficiency	88 %
Peak intensity	1.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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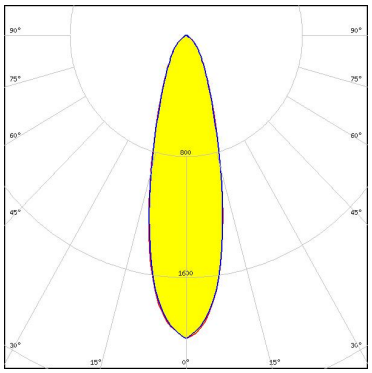
OPTICAL RESULTS (SIMULATED):

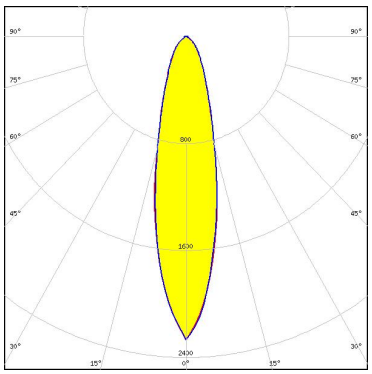
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	28.0° / 68.0°
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



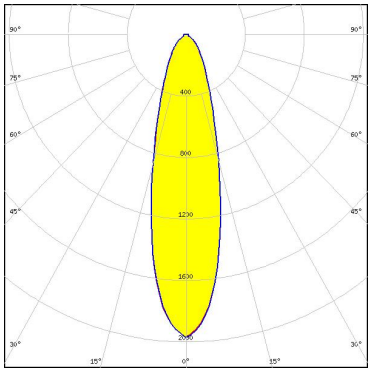
SAMSUNG

LED	LM301B
FWHM / FWTM	24.0° / 64.0°
Efficiency	86 %
Peak intensity	2.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



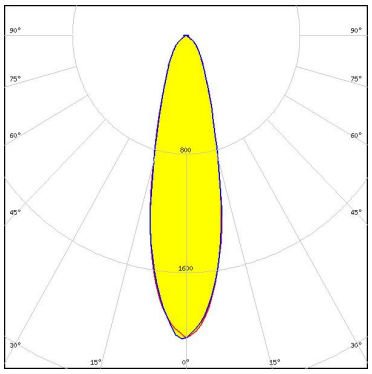
SAMSUNG

LED	LM302D
FWHM / FWTM	27.0° / 68.0°
Efficiency	87 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LM302Z plus
FWHM / FWTM	28.0° / 66.0°
Efficiency	86 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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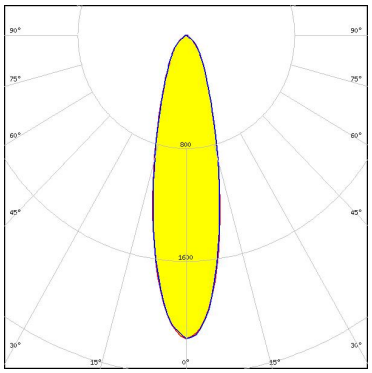
OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	SEOUL DC 3030C
FWHM / FWTM	26.0° / 66.0°
Efficiency	88 %
Peak intensity	2.2 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:

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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