G2-LAURA-WW-P

~65° wide beam. Assembly with thinner white holder, installation tape and location pins.

SPECIFICATION:

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish
LAURA-WW	Single lens	PMMA		
LAURA-LT-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA13633_G2-LAURA-WW-P	Single lens		360	180	5.7
» Box size:					

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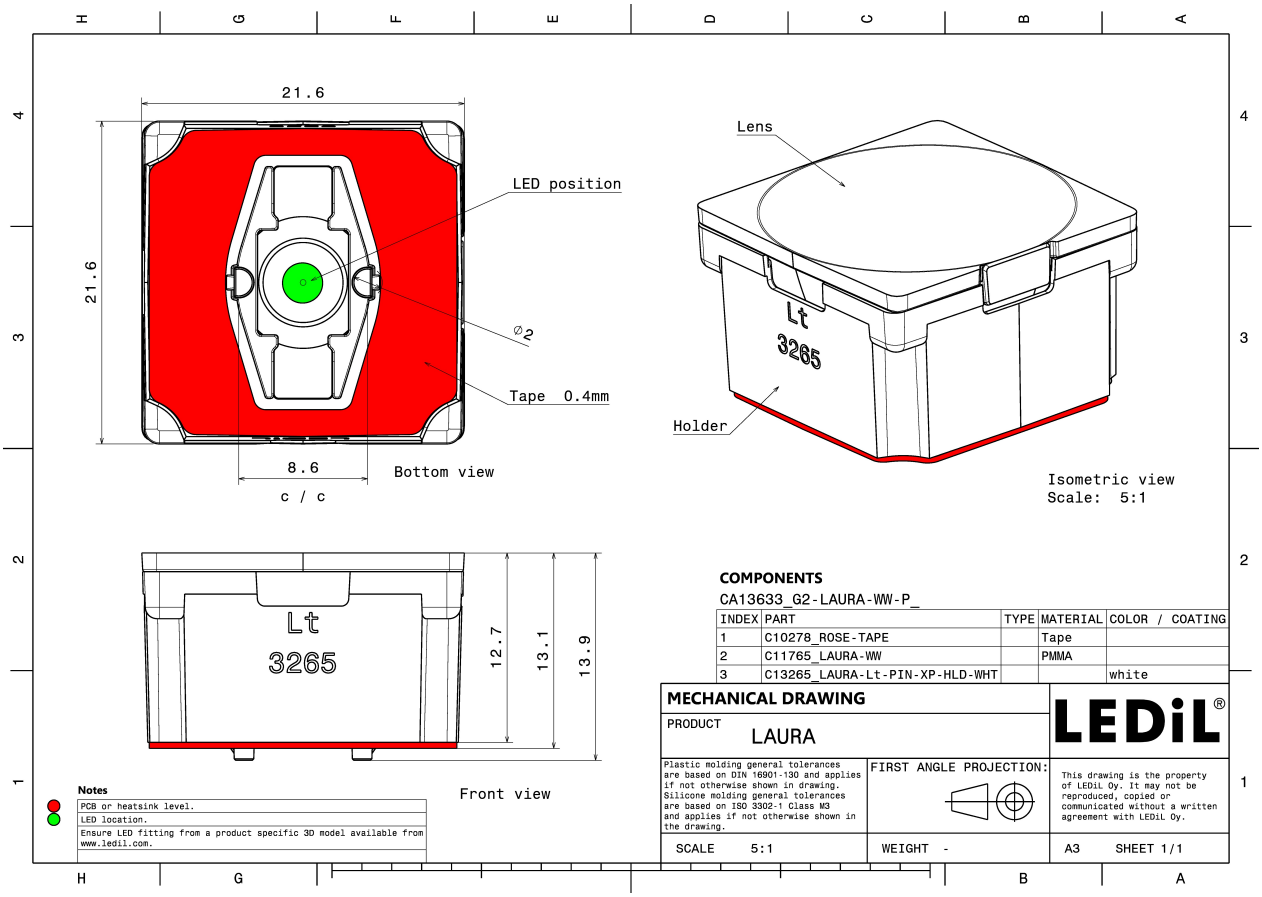

COMPONENTS

CA13633_G2-LAURA-WW-P_

INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C10278_ROSE-TAPE		Tape	
2	C11765_LAURA-WW		PMMA	
3	C13265_LAURA-Lt-PIN-XP-HLD-WHT			white

MECHANICAL DRAWING

PRODUCT LAURA

LEDiL®

Plastic molding general tolerances are based on DIN 16901-130 and applies if not otherwise shown in drawing. Silicone molding general tolerances are based on ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 5:1 | WEIGHT - | A3 SHEET 1/1

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

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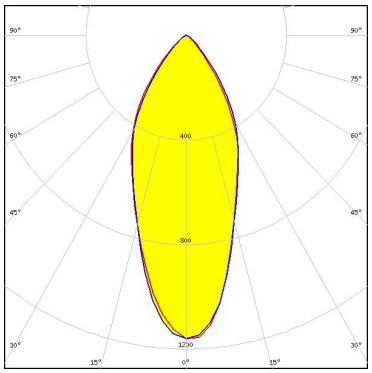
OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XB-D
FWHM / FWTM	44.0° / 88.0°
Efficiency	84 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

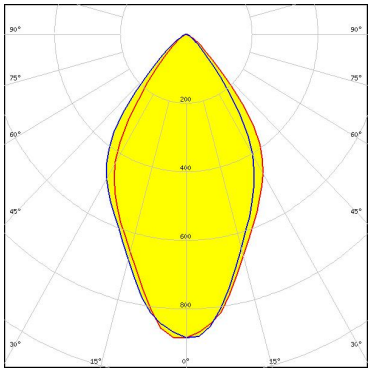


CREE LEDs

LED	XP-E
FWHM / FWTM	66.0° / 96.0°
Efficiency	86 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

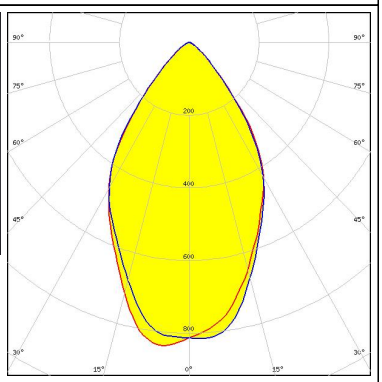
CREE LEDs

LED	XP-E2
FWHM / FWTM	63.0° / 95.0°
Efficiency	87 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XP-G2
FWHM / FWTM	64.0° / 97.0°
Efficiency	87 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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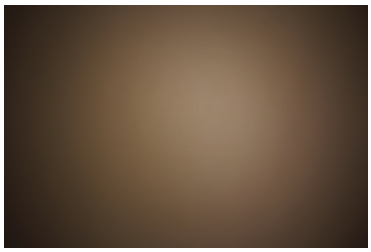
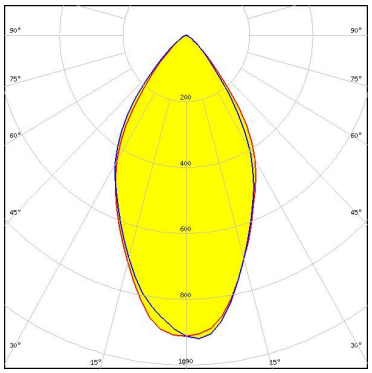
OPTICAL RESULTS (MEASURED):

CREE LEDs

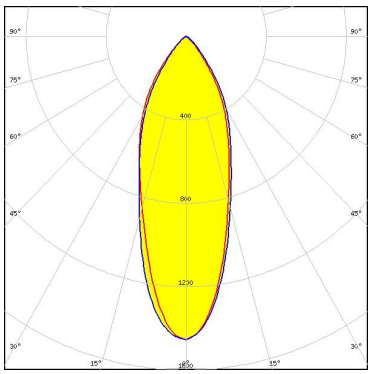
LED	XT-E
FWHM / FWTM	58.0° / 94.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





LUMILEDS

LED	LUXEON 3030 2D (Round LES)
FWHM / FWTM	36.0° / 82.0°
Efficiency	88 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

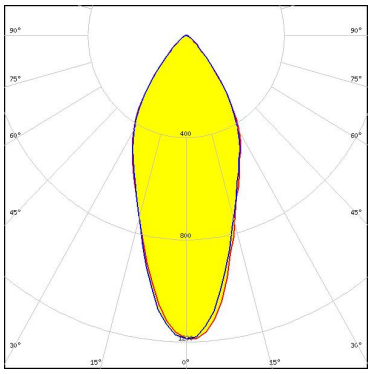


LUMILEDS

LED	LUXEON TX
FWHM / FWTM	56.0° / 96.0°
Efficiency	86 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

NICHIA

LED	NCSxx19A
FWHM / FWTM	43.0° / 88.0°
Efficiency	86 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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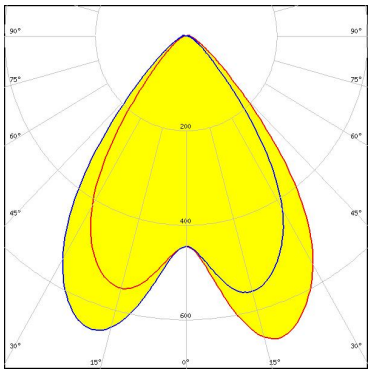
OPTICAL RESULTS (MEASURED):

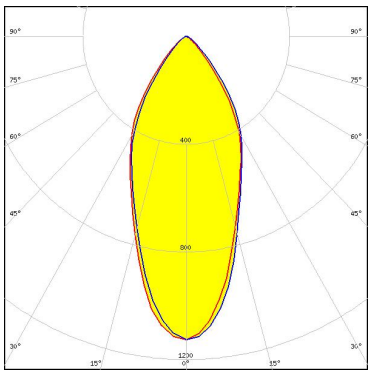
NICHIA

LED	NVSW219D
FWHM / FWTM	81.0° / 113.0°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



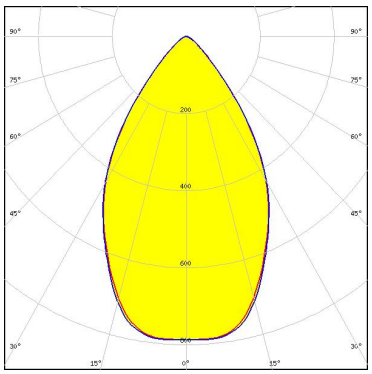
NICHIA

LED	NVSxx19A
FWHM / FWTM	44.0° / 89.0°
Efficiency	85 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



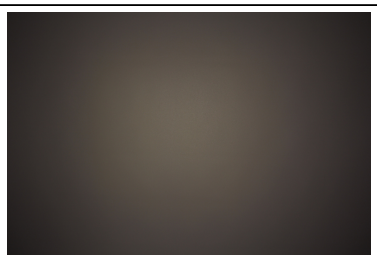
NICHIA

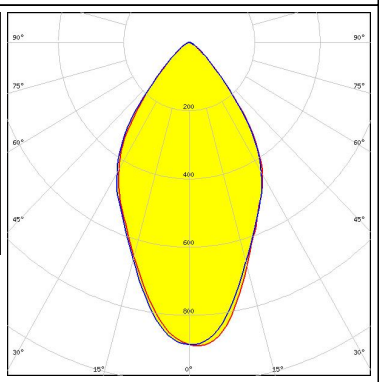
LED	NVSxx19B/NVSxx19C
FWHM / FWTM	62.0° / 95.0°
Efficiency	86 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	60.0° / 96.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





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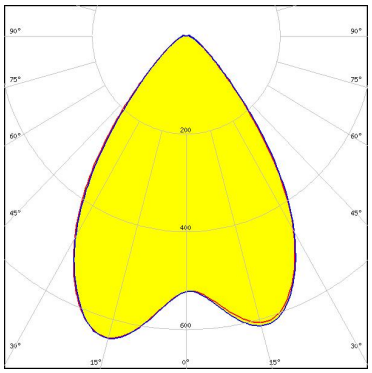
OPTICAL RESULTS (MEASURED):

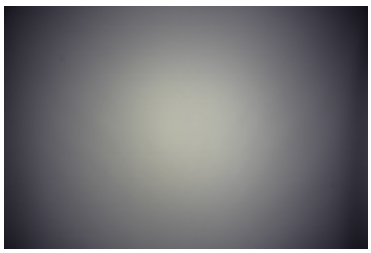
SAMSUNG

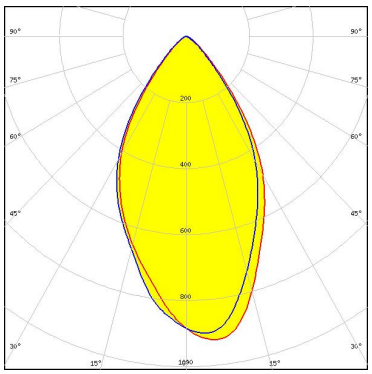
LED	LH351D
FWHM / FWTM	78.0° / 110.0°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

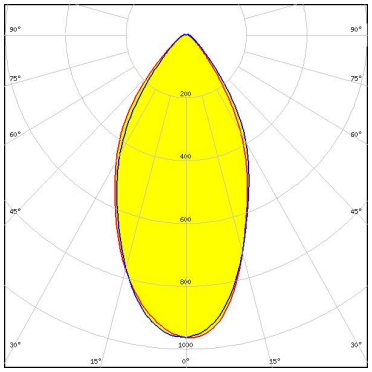
LED	Z5M1/Z5M2
FWHM / FWTM	58.0° / 93.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	





SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	54.0° / 94.0°
Efficiency	93 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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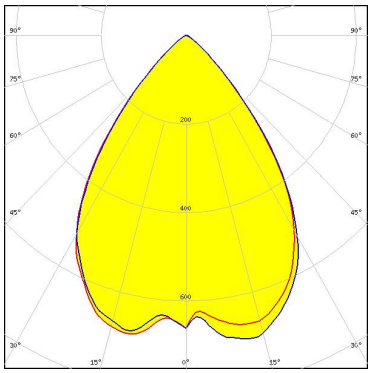
OPTICAL RESULTS (SIMULATED):

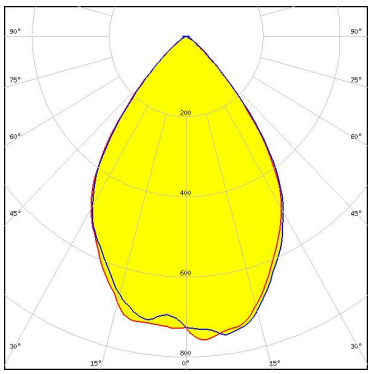
CREE LEDs

LED	XHP35 HI
FWHM / FWTM	74.0° / 100.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LEDs

LED	XP-G3
FWHM / FWTM	72.0° / 100.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

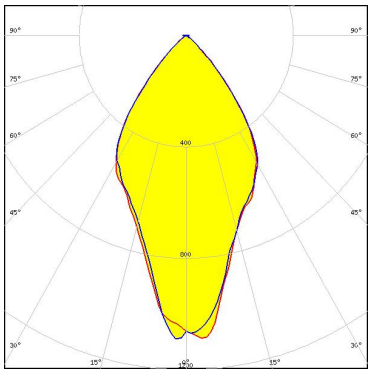


CREE LEDs

LED	XP-L2
FWHM / FWTM	72.0° / 102.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

CREE LEDs

LED	XQ-E HI
FWHM / FWTM	58.0° / 92.0°
Efficiency	96 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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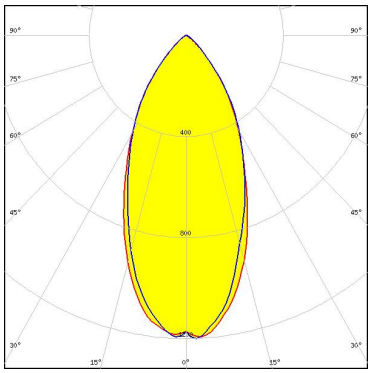
OPTICAL RESULTS (SIMULATED):

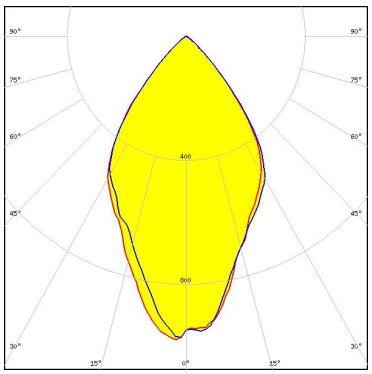
OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	48.0° / 90.0°
Efficiency	97 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



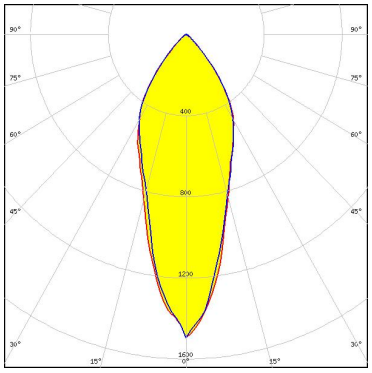
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	63.0° / 95.0°
Efficiency	94 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



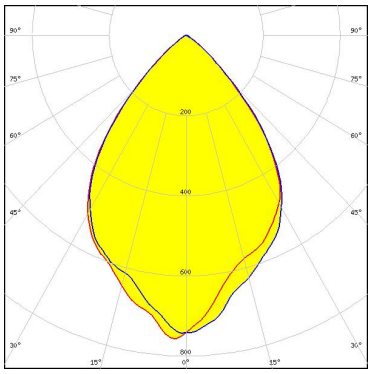
OSRAM
Opto Semiconductors

LED	OSLON Square Flat
FWHM / FWTM	35.0° / 86.0°
Efficiency	94 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	74.0° / 103.0°
Efficiency	94 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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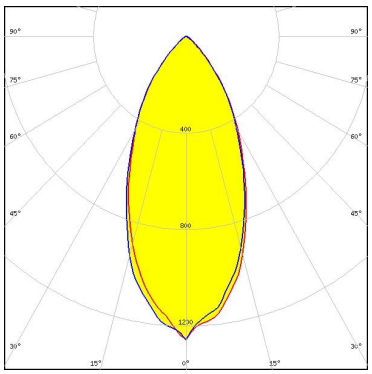
OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4770S
FWHM / FWTM	32.0° / 80.0°
Efficiency	92 %
Peak intensity	1.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

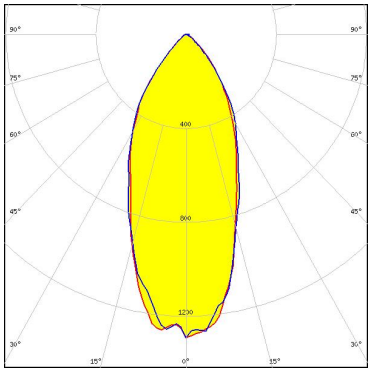
SAMSUNG

LED	LH508A
FWHM / FWTM	47.0° / 89.0°
Efficiency	97 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	42.0° / 88.0°
Efficiency	97 %
Peak intensity	1.4 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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