BRIANNA-7X1-W

~60° wide beam. Variant with 7X1 lens.



SPECIFICATION:

Dimensions	280.0 x 36.0
Height	13.4 mm
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
BRIANNA-7X1-W	Linear lens	PMMA	clear		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C18327_BRIANNA-7X1-W » Box size: 595 x 260 x 205 mm	80	80	80	5.4

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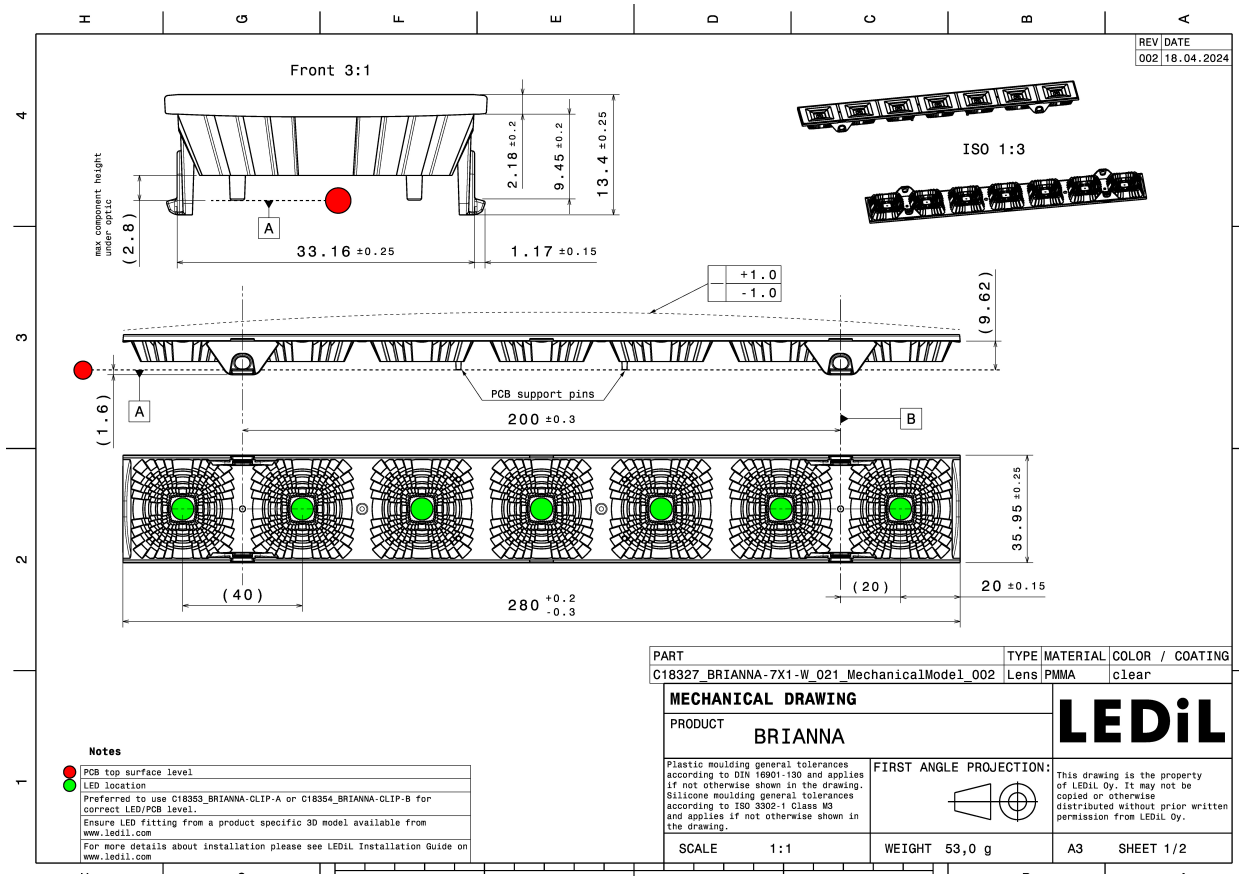

PART	TYPE	MATERIAL	COLOR / COATING
C18327_BRIANNA-7X1-W_021_MechanicalModel_002	Lens	PMMA	clear

MECHANICAL DRAWING

PRODUCT BRIANNA

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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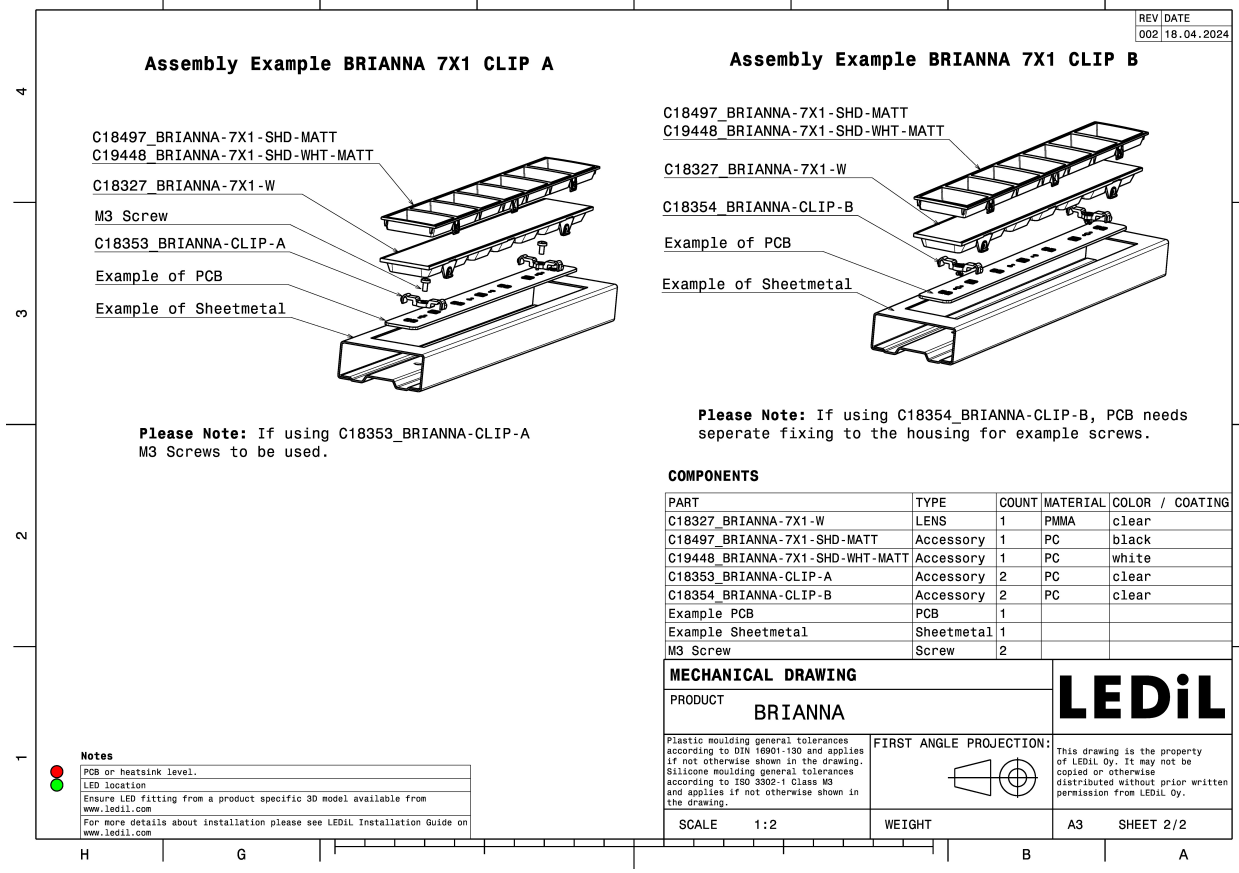
SCALE 1:1 | WEIGHT 53,0 g | A3 | SHEET 1/2

Notes

PCB top surface level
LED location
Preferred to use C18353_BRIANNA-CLIP-A or C18354_BRIANNA-CLIP-B for correct LED/PCB level.
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com



Please Note: If using C18353_BRIANNA-CLIP-A M3 Screws to be used.

Please Note: If using C18354_BRIANNA-CLIP-B, PCB needs seperate fixing to the housing for example screws.

COMPONENTS

PART	TYPE	COUNT	MATERIAL	COLOR / COATING
C18327_BRIANNA-7X1-W	LENS	1	PMMA	clear
C18497_BRIANNA-7X1-SHD-MATT	Accessory	1	PC	black
C19448_BRIANNA-7X1-SHD-WHT-MATT	Accessory	1	PC	white
C18353_BRIANNA-CLIP-A	Accessory	2	PC	clear
C18354_BRIANNA-CLIP-B	Accessory	2	PC	clear
Example PCB	PCB	1		
Example Sheetmetal	Sheetmetal	1		
M3 Screw	Screw	2		

MECHANICAL DRAWING

PRODUCT BRIANNA

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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

Notes

PCB or heatsink level.
LED location
Ensure LED fitting from a product specific 3D model available from www.ledil.com
For more details about installation please see LEDiL Installation Guide on www.ledil.com

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

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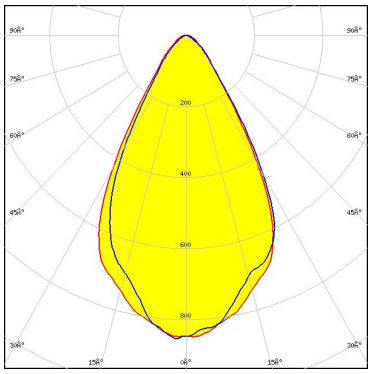
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 280x28mm 1100lm 8x0 2C 42V DAISY-7X1 G1
FWHM / FWTM	60.0° / 92.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



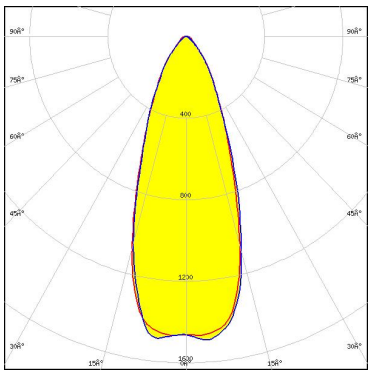


Light distribution files

MST Your solutions

LED	LinLED 280x28mm 1600lm 840 4C 21V DAISY 7x1(ZT25)
FWHM / FWTM	39.0° / 79.0°
Efficiency	86 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

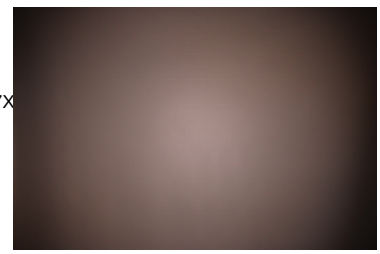


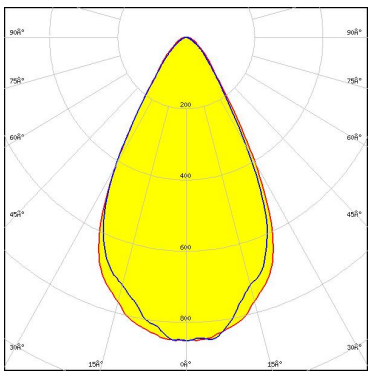


Light distribution files

MST Your solutions

LED	LinLED 280x28mm 2x550lm 827-865 2x2C 42V DAISY-7X
FWHM / FWTM	58.0° / 92.0°
Efficiency	86 %
Peak intensity	0.9 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White
Required components:	





Light distribution files

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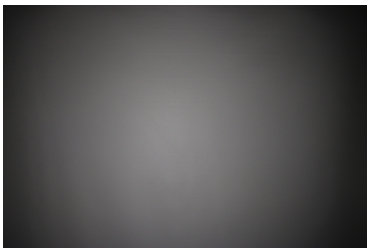
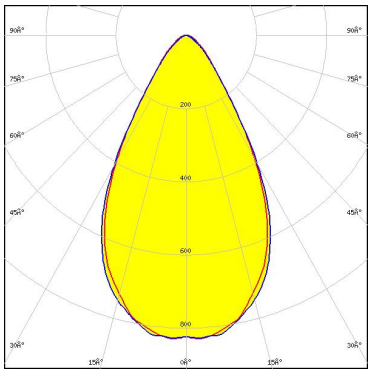
OPTICAL RESULTS (MEASURED):

TRIDONIC

LED	LLE 24x280mm 750lm 8x0 LVD ADV1
FWHM / FWTM	59.0° / 94.0°
Efficiency	86 %
Peak intensity	0.8 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:





Light distribution files

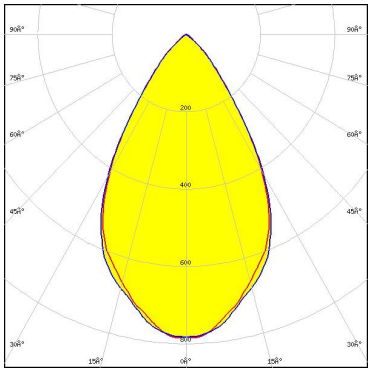
TRIDONIC

LED	LLE 24x280mm 750lm 8x0 LVD ADV1
FWHM / FWTM	62.0° / 92.0°
Efficiency	78 %
Peak intensity	0.8 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:

C18497_BRIANNA-7X1-SHD-MATT





Light distribution files

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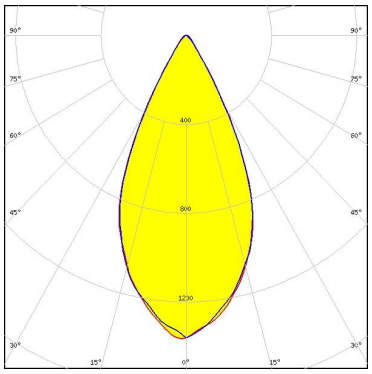
OPTICAL RESULTS (SIMULATED):

LUMILEDS

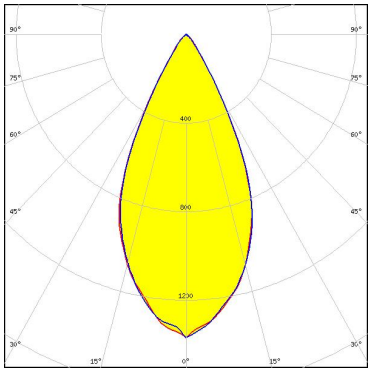
LED	LUXEON 2835 HE
FWHM / FWTM	50.0° / 70.0°
Efficiency	89 %
Peak intensity	1.4 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

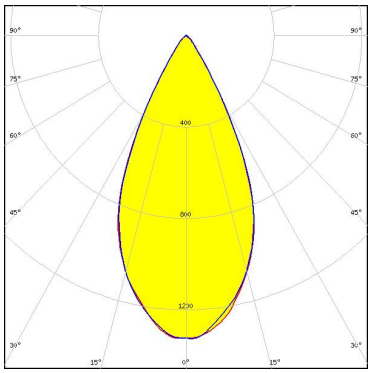
LED	LUXEON 2835 HE
FWHM / FWTM	50.0° / 70.0°
Efficiency	86 %
Peak intensity	1.4 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C18497_BRIANNA-7X1-SHD-MATT	



Light distribution files

LUMILEDS

LED	LUXEON 2835 S (E)
FWHM / FWTM	50.0° / 71.0°
Efficiency	86 %
Peak intensity	1.3 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C18670_BRIANNA-7X1-SHD	



Light distribution files

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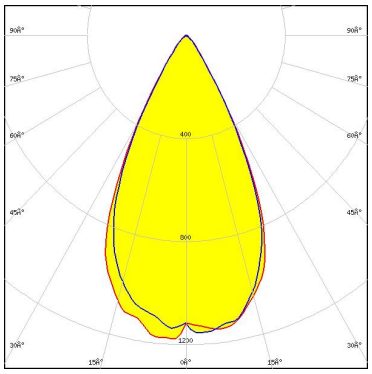
OPTICAL RESULTS (SIMULATED):

MST Your solutions

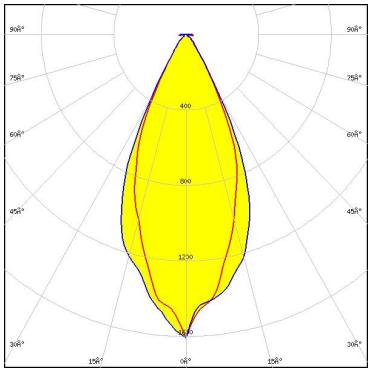
LED	LinLED 280x28mm 1100lm 8x0 2C 42V DAISY-7X1 G1
FWHM / FWTM	54.0° / 74.0°
Efficiency	87 %
Peak intensity	1.2 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C19448_BRIANNA-7X1-SHD-WHT-MATT	



Light distribution files

SAMSUNG

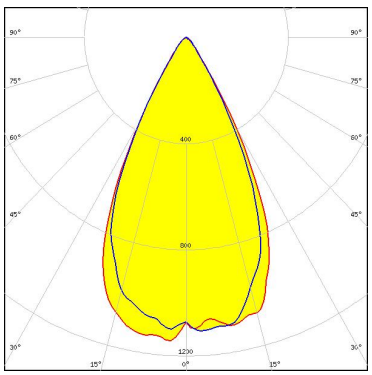
LED	LM28xB Series
FWHM / FWTM	44.0° / 69.0°
Efficiency	94 %
Peak intensity	1.6 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C18497_BRIANNA-7X1-SHD-MATT	



Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	54.0° / 72.0°
Efficiency	85 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20515_BRIANNA-7X1-SHD3-MATT	



Light distribution files

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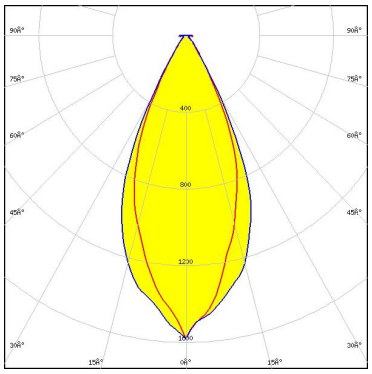
OPTICAL RESULTS (SIMULATED):

SAMSUNG

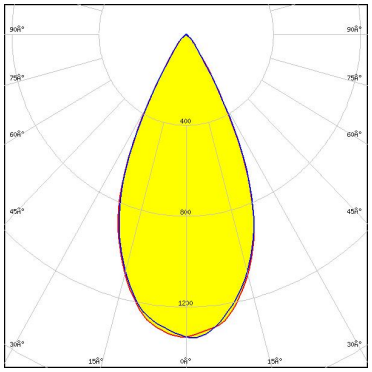
LED	LM28xB Series
FWHM / FWTM	45.0° / 69.0°
Efficiency	93 %
Peak intensity	1.6 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

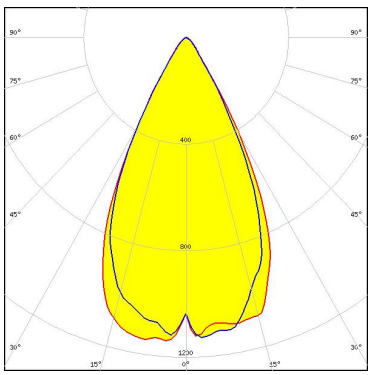
LED	LM28xB Series
FWHM / FWTM	50.0° / 70.0°
Efficiency	87 %
Peak intensity	1.3 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C19448_BRIANNA-7X1-SHD-WHT-MATT	



Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	55.0° / 73.0°
Efficiency	87 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
L20521_BRIANNA-7X1-SHD3-MET-MATT	



Light distribution files

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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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