DAISY-4X1-WW-D

~80° wide beam. Variant with diffused lenses. Choose SHD with wide lips or SHD2 with no lips and square openings. SHD3 with narrow lips and round openings.



SPECIFICATION:

Dimensions	182.0 x 40.0
Height	20.2 mm
Fastening	pin, screw, clips
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
C16993_DAISY-4X1-WW-D	Linear lens	PMMA	milky		
L20008_DAISY-4X1-SHD3-MET-MATT	Shade	PC-ABS	metal	matt	
L20007_DAISY-4X1-SHD3-MET	Shade	PC	metal	gloss	
L20006_DAISY-4X1-SHD3-WHT-MATT	Shade	PC	white	matt	
L20005_DAISY-4X1-SHD3-WHT	Shade	PC	white	gloss	
L20004_DAISY-4X1-SHD3-MATT	Shade	PC-ABS	black	matt	
L20003_DAISY-4X1-SHD3	Shade	PC	black	gloss	
C19075_DAISY-4X1-SHD2	Shade	PC	black	gloss	
C18414_DAISY-4X1-SHD-MET-MATT	Shade	PC	metal	matt	
C18412_DAISY-4X1-SHD2-MET	Shade	PC	metal	gloss	
C18411_DAISY-4X1-SHD2-MET-MATT	Shade	PC	metal	matt	
C18407_DAISY-4X1-SHD-MET	Shade	PC	metal	gloss	
C17423_DAISY-4X1-SHD2-WHT-MATT	Shade	PC	white	matt	
C17422_DAISY-4X1-SHD2-MATT	Shade	PC	black	matt	
C16784_DAISY-4X1-SHD-WHT	Shade	PC	white	gloss	
C16590_DAISY-4X1-SHD	Shade	PC	black	gloss	

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

ORDERING INFORMATION:

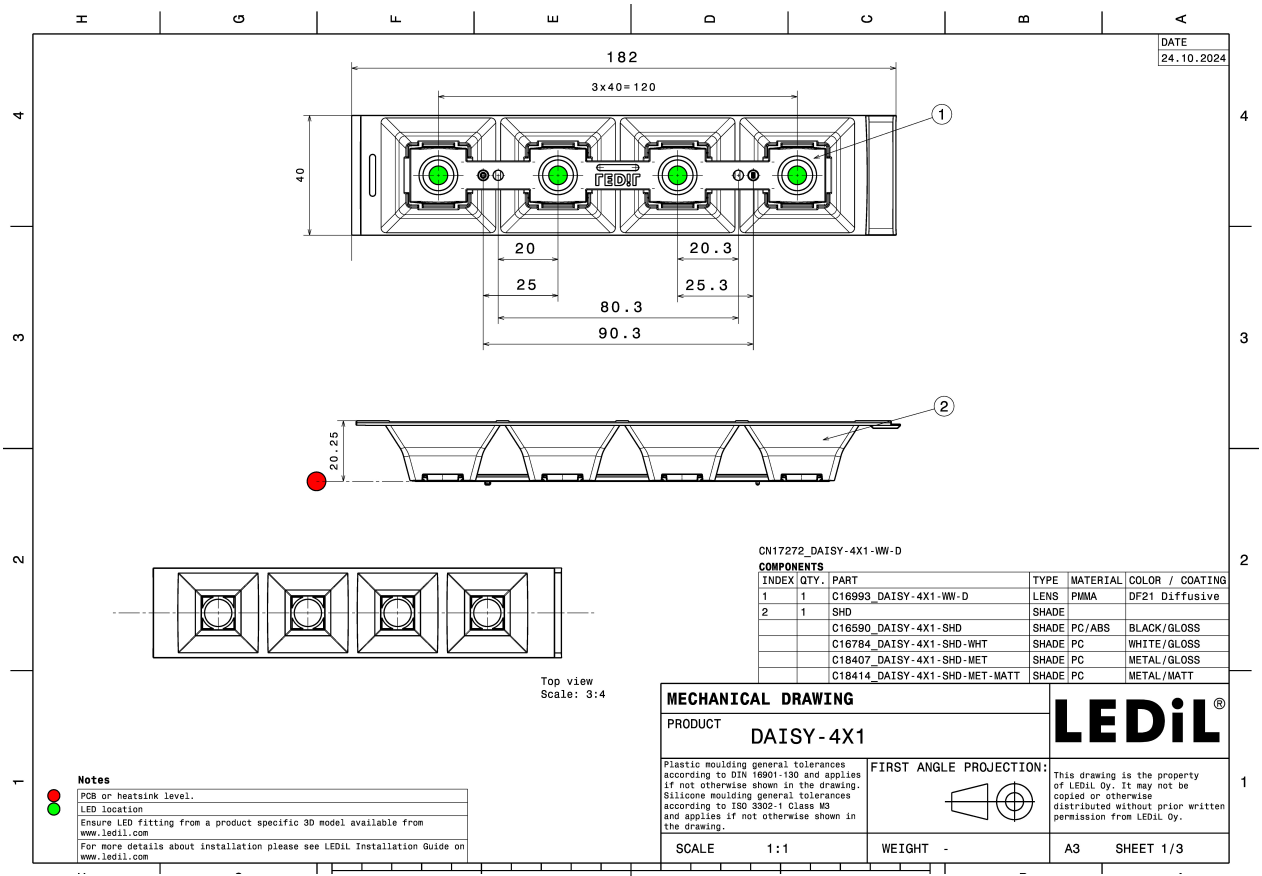
Quantities for one set:

Linear lens	1
Shade	1

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C16993_DAISY-4X1-WW-D » Box size: 480 x 280 x 300 mm	Linear lens	504	336	21	5.6
L20003_DAISY-4X1-SHD3 » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.0
C16784_DAISY-4X1-SHD-WHT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	5.2
L20008_DAISY-4X1-SHD3-MET-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	3.8
C18411_DAISY-4X1-SHD2-MET-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.7
L20004_DAISY-4X1-SHD3-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	3.8
C18412_DAISY-4X1-SHD2-MET » Box size: 480 x 280 x 300 mm	Shade	168	336	42	
L20005_DAISY-4X1-SHD3-WHT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.0
C17422_DAISY-4X1-SHD2-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.7
C18414_DAISY-4X1-SHD-MET-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.3
L20006_DAISY-4X1-SHD3-WHT-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.0
C17423_DAISY-4X1-SHD2-WHT-MATT » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.9
C19075_DAISY-4X1-SHD2 » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.4
C16590_DAISY-4X1-SHD » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.9
L20007_DAISY-4X1-SHD3-MET » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.0
C18407_DAISY-4X1-SHD-MET » Box size: 480 x 280 x 300 mm	Shade	168	336	42	4.3

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



Top view
Scale: 3:4

DATE
24.10.2024

CN17272_DAISY-4X1-WW-D

COMPONENTS

INDEX	QTY.	PART	TYPE	MATERIAL	COLOR / COATING
1	1	C16993_DAISY-4X1-WW-D	LENS	PMMA	DF21 Diffusive
2	1	SHD	SHADE		
		C16590_DAISY-4X1-SHD	SHADE	PC/ABS	BLACK/GLOSS
		C16784_DAISY-4X1-SHD-WHT	SHADE	PC	WHITE/GLOSS
		C18407_DAISY-4X1-SHD-MET	SHADE	PC	METAL/GLOSS
		C18414_DAISY-4X1-SHD-MET-MATT	SHADE	PC	METAL/MATT

MECHANICAL DRAWING

PRODUCT
DAISY-4X1

LEDiL®

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.

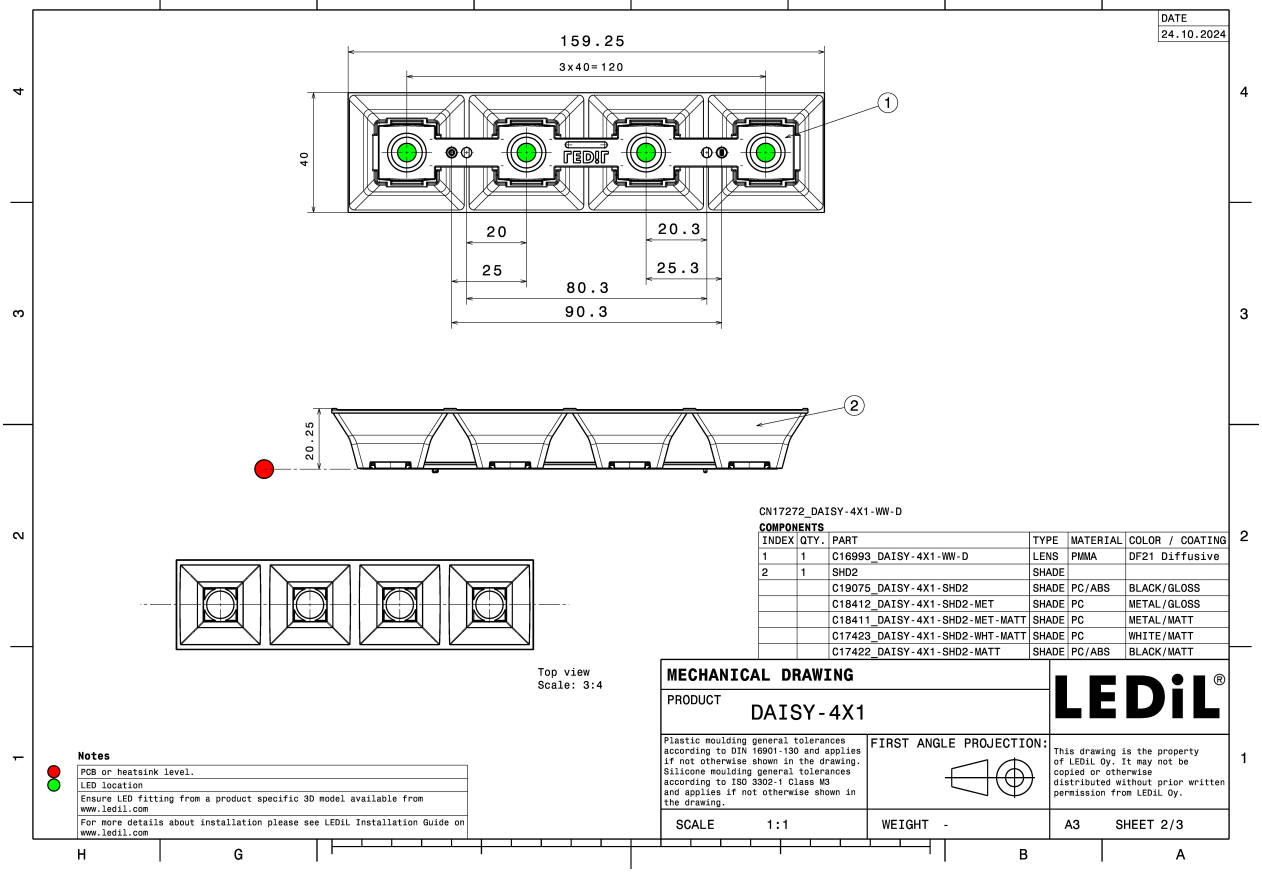
FIRST ANGLE PROJECTION:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

SCALE 1:1 | WEIGHT - | A3 | SHEET 1/3

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



Top view
Scale: 3:4

DATE
24.10.2024

CN17272_DAISY-4X1-WW-D

COMPONENTS

INDEX	QTY.	PART	TYPE	MATERIAL	COLOR / COATING
1	1	C16993_DAISY-4X1-WW-D	LENS	PMMA	DF21 Diffusive
2	1	SHD2	SHADE		
		C19075_DAISY-4X1-SHD2	SHADE	PC/ABS	BLACK/GLOSS
		C18412_DAISY-4X1-SHD2-MET	SHADE	PC	METAL/GLOSS
		C18411_DAISY-4X1-SHD2-MET-MATT	SHADE	PC	METAL/MATT
		C17423_DAISY-4X1-SHD2-WHT-MATT	SHADE	PC	WHITE/MATT
		C17422_DAISY-4X1-SHD2-MATT	SHADE	PC/ABS	BLACK/MATT

MECHANICAL DRAWING

PRODUCT
DAISY-4X1

LEDiL®

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:

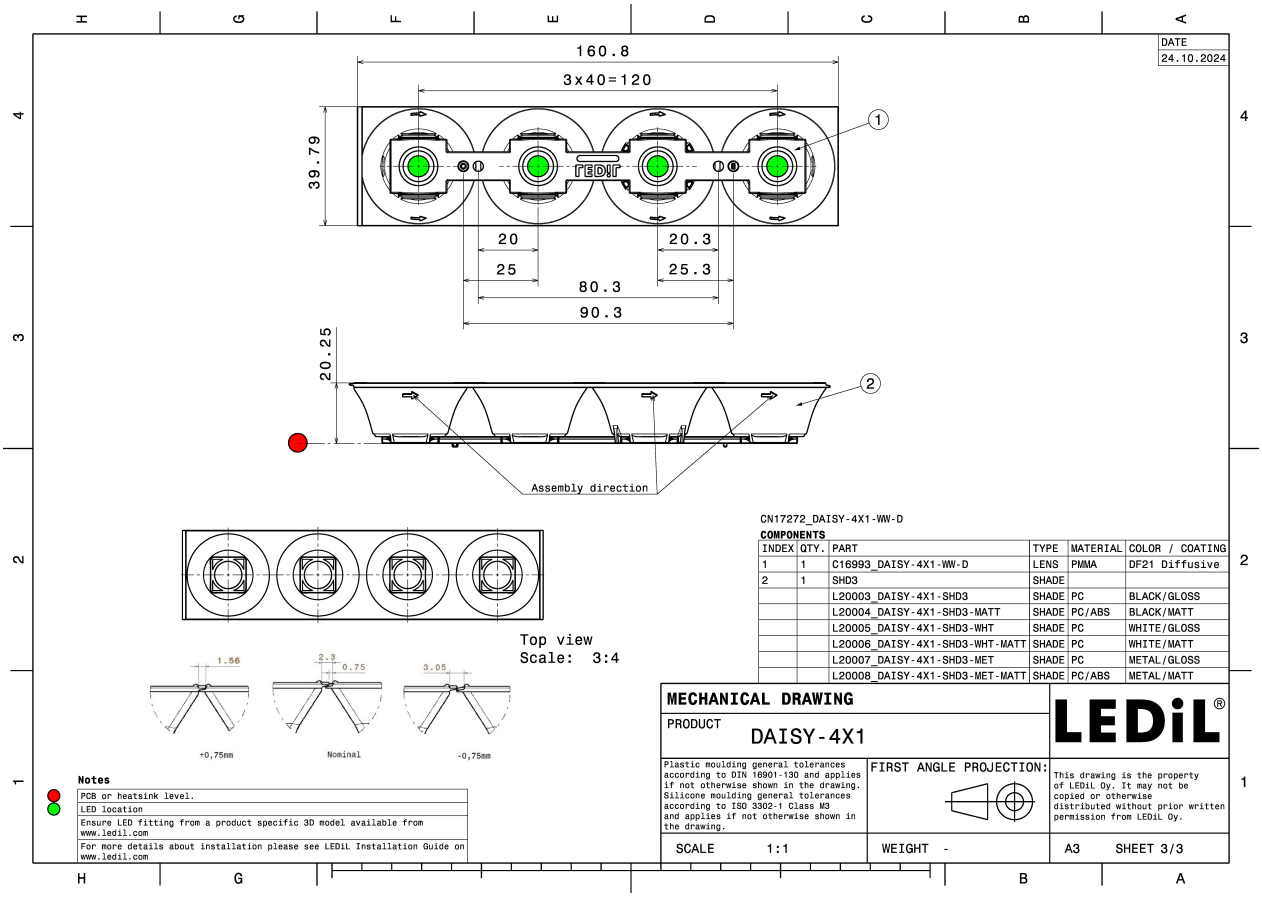
This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

SCALE 1:1 | WEIGHT - | A3 | SHEET 2/3

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

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.



CN17272_DAISY-4X1-WW-D

COMPONENTS

INDEX	QTY.	PART	TYPE	MATERIAL	COLOR / COATING
1	1	C16993_DAISY-4X1-WW-D	LENS	PMMA	DF21 Diffusive
2	1	SHD3	SHADE		
		L20003_DAISY-4X1-SHD3	SHADE	PC	BLACK/GLOSS
		L20004_DAISY-4X1-SHD3-MATT	SHADE	PC/ABS	BLACK/MATT
		L20005_DAISY-4X1-SHD3-WHT	SHADE	PC	WHITE/GLOSS
		L20006_DAISY-4X1-SHD3-WHT-MATT	SHADE	PC	WHITE/MATT
		L20007_DAISY-4X1-SHD3-MET	SHADE	PC	METAL/GLOSS
		L20008_DAISY-4X1-SHD3-MET-MATT	SHADE	PC/ABS	METAL/MATT

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

MECHANICAL DRAWING

PRODUCT DAISY-4X1

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:

This drawing is the property of LEDiL Oy. It may not be copied or otherwise distributed without prior written permission from LEDiL Oy.

SCALE 1:1 | WEIGHT - | A3 SHEET 3/3

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

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

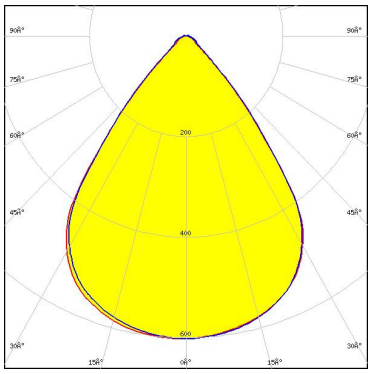
OPTICAL RESULTS (MEASURED):

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm
FWHM / FWTM	75.5° / 96.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16784_DAISY-4X1-SHD-WHT





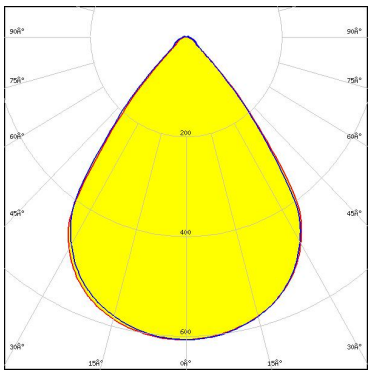
Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm
FWHM / FWTM	75.5° / 96.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17423_DAISY-4X1-SHD2-WHT-MATT



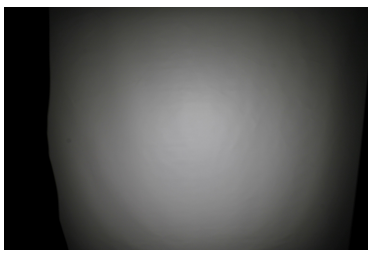


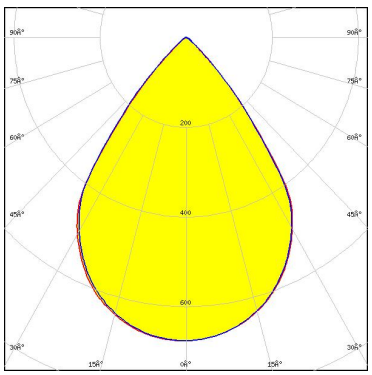
Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm
FWHM / FWTM	74.0° / 94.0°
Efficiency	91 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17535_DAISY-4X1-SHD2-MET-MATT





Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

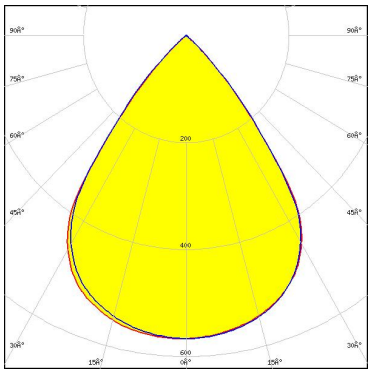
OPTICAL RESULTS (MEASURED):

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm
FWHM / FWTM	75.0° / 93.0°
Efficiency	79 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16590_DAISY-4X1-SHD



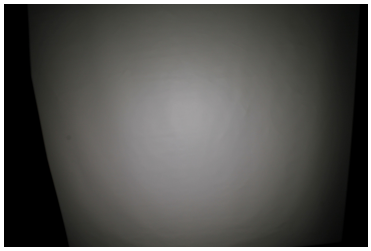


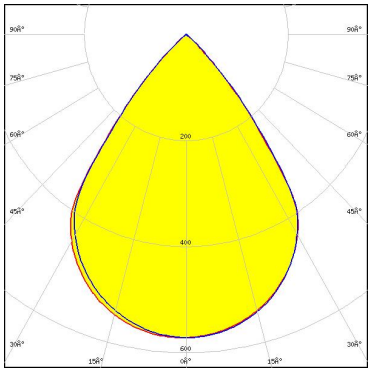
Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm
FWHM / FWTM	74.5° / 92.0°
Efficiency	78 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17422_DAISY-4X1-SHD2-MATT





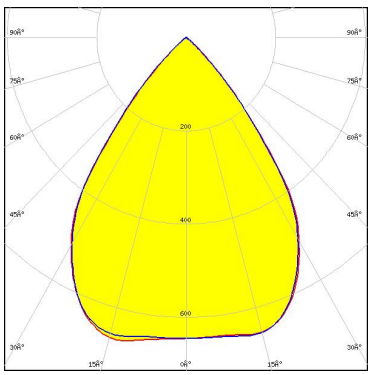
Light distribution files

AUDAX ELECTRONICS

LED	LIGHT ENGINE DAISY 16 LEDs 156mm x 20mm
FWHM / FWTM	73.5° / 93.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17528_DAISY-4X1-SHD-MET





Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

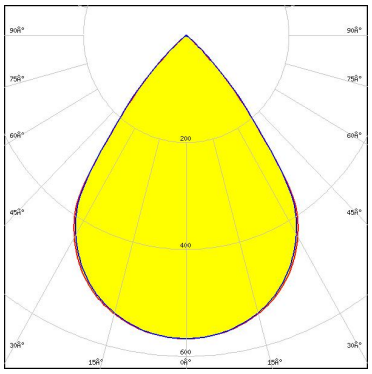
OPTICAL RESULTS (MEASURED):

inventronics

LED	PL-LIN-1000 140x24mm
FWHM / FWTM	74.0° / 94.0°
Efficiency	77 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17422_DAISY-4X1-SHD2-MATT





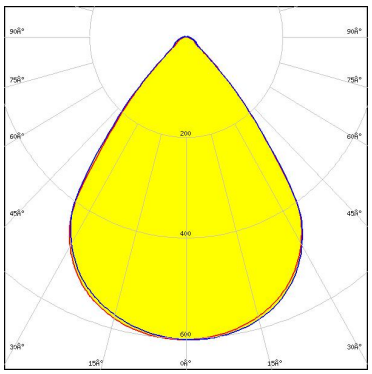
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1
FWHM / FWTM	76.0 + 76.5° / 97.0 + 97.5°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17423_DAISY-4X1-SHD2-WHT-MATT



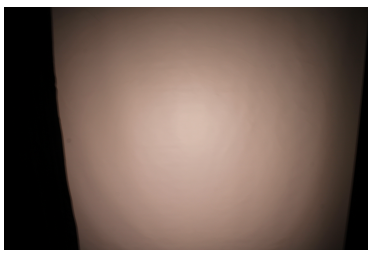


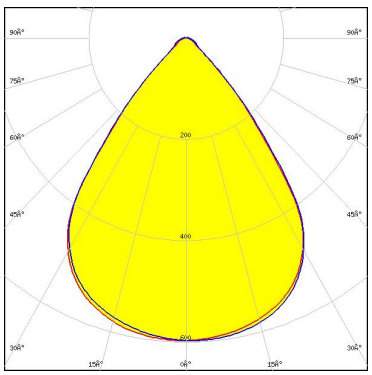
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1
FWHM / FWTM	75.5 + 76.5° / 97.0 + 97.5°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C16784_DAISY-4X1-SHD-WHT





Light distribution files

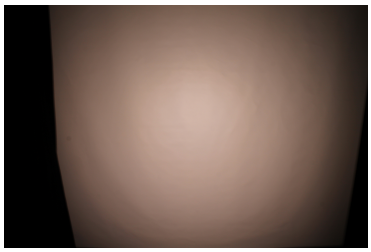
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

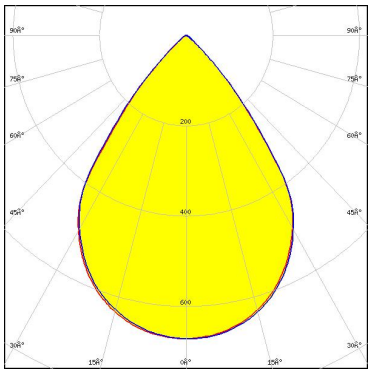
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1
FWHM / FWTM	74.0 + 74.5° / 94.5°
Efficiency	92 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17535_DAISY-4X1-SHD2-MET-MATT





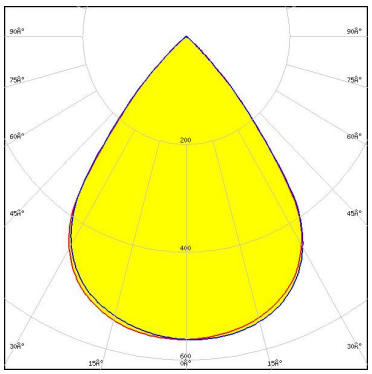
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1
FWHM / FWTM	74.5 + 75.5° / 93.0 + 93.5°
Efficiency	79 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C16590_DAISY-4X1-SHD



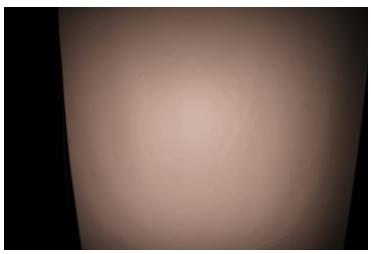


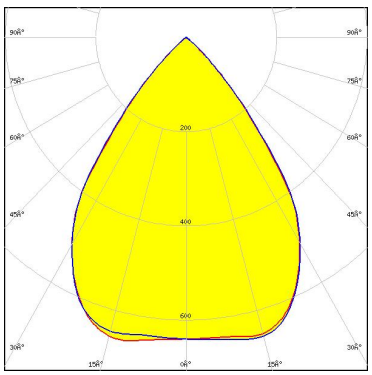
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1
FWHM / FWTM	74.0° / 94.0°
Efficiency	94 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17528_DAISY-4X1-SHD-MET





Light distribution files

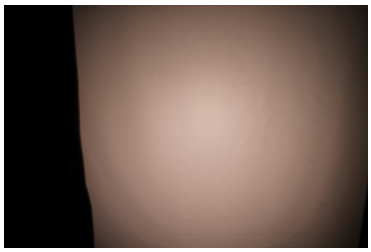
LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

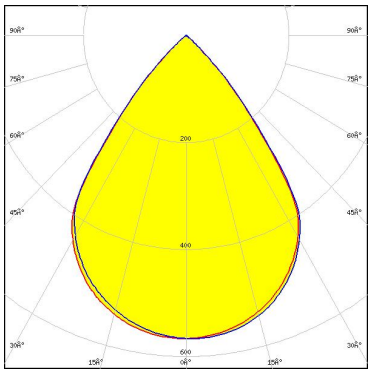
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 156x28mm 2x400lm 827-865 2x2C 12V Opt G1
FWHM / FWTM	74.5 + 75.0° / 93.5°
Efficiency	78 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	Tunable White

Required components:
C17422_DAISY-4X1-SHD2-MATT





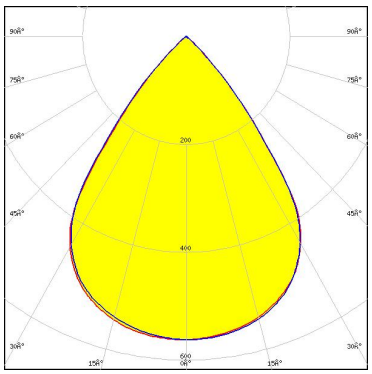
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1
FWHM / FWTM	74.0 + 74.5° / 92.5°
Efficiency	78 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16590_DAISY-4X1-SHD





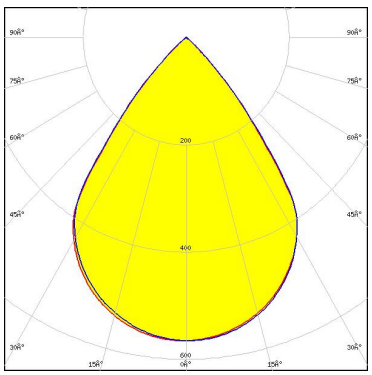
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1
FWHM / FWTM	74.5° / 92.5°
Efficiency	76 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17422_DAISY-4X1-SHD2-MATT





Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

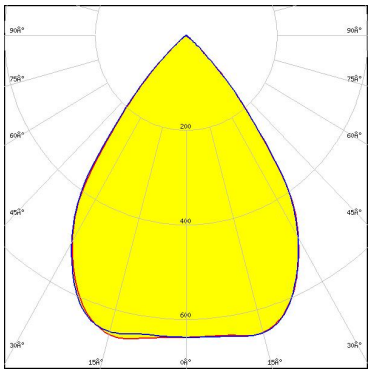
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1
FWHM / FWTM	73.5° / 93.0 + 93.5°
Efficiency	93 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17528_DAISY-4X1-SHD-MET





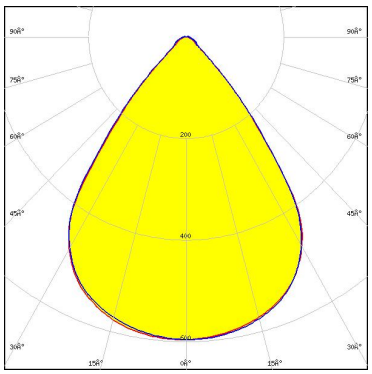
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1
FWHM / FWTM	75.5° / 96.5 + 97.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16784_DAISY-4X1-SHD-WHT





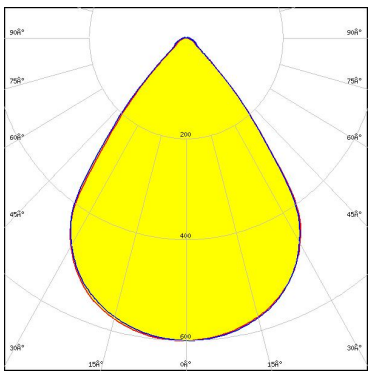
Light distribution files

MST Your solutions

LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1
FWHM / FWTM	75.0 + 75.5° / 96.0 + 97.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17423_DAISY-4X1-SHD2-WHT-MATT





Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

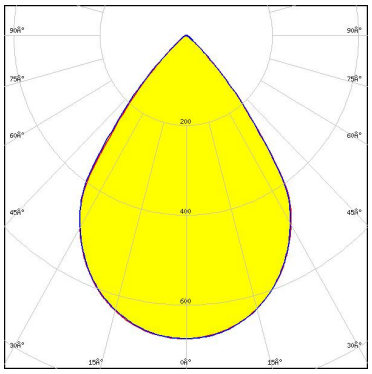
OPTICAL RESULTS (MEASURED):

MST Your solutions

LED	LinLED 156x28mm 800lm 8x0 2C 12V Opt G1
FWHM / FWTM	73.5° / 94.0 + 94.5°
Efficiency	90 %
Peak intensity	0.7 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17535_DAISY-4X1-SHD2-MET-MATT



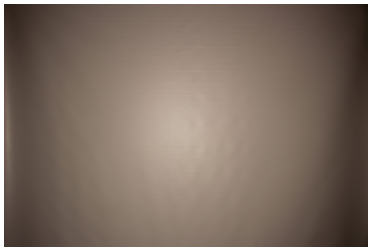


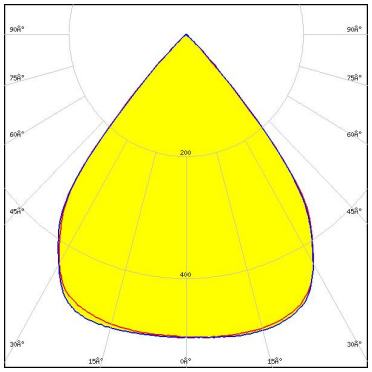
Light distribution files

NICHIA

LED	NF2W757G-MT (Tunable White)
FWHM / FWTM	79.0° / 90.0°
Efficiency	79 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:
C16590_DAISY-4X1-SHD



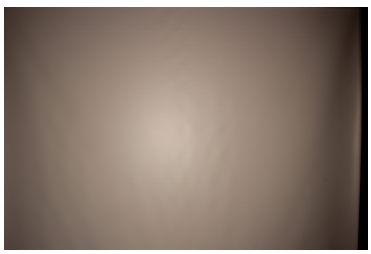


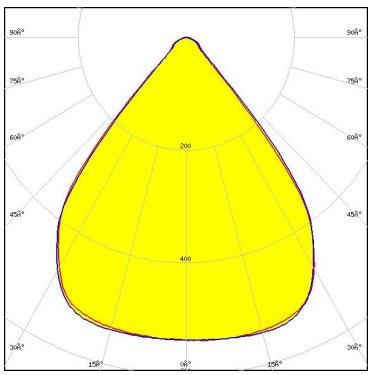
Light distribution files

NICHIA

LED	NF2W757G-MT (Tunable White)
FWHM / FWTM	80.0° / 95.0°
Efficiency	93 %
Peak intensity	0.5 cd/lm
LEDs/each optic	1
Light colour/type	Tunable White

Required components:
C16784_DAISY-4X1-SHD-WHT





Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

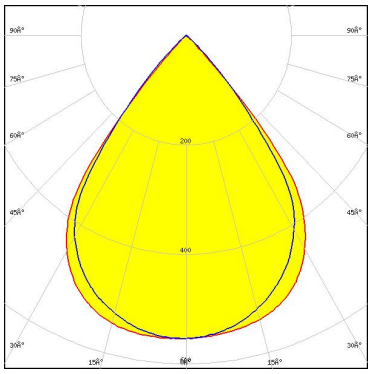
OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	76.0° / 90.0°
Efficiency	78 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C17422_DAISY-4X1-SHD2-MATT





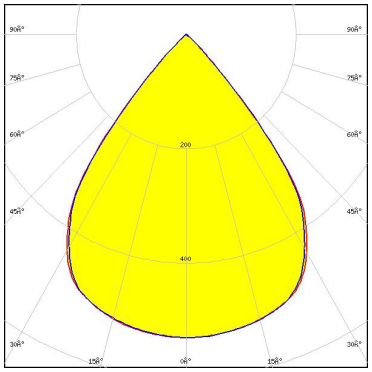
Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	78.0° / 91.0°
Efficiency	79 %
Peak intensity	0.5 cd/lm
LEDs/each optic	2
Light colour/type	White

Required components:
C16590_DAISY-4X1-SHD



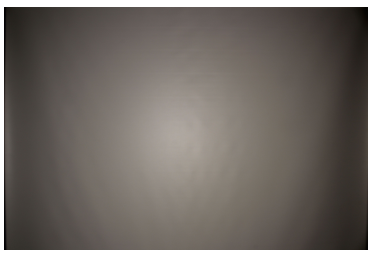


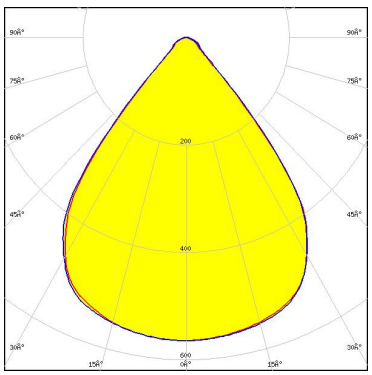
Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	78.0° / 95.0°
Efficiency	93 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:
C16784_DAISY-4X1-SHD-WHT





Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

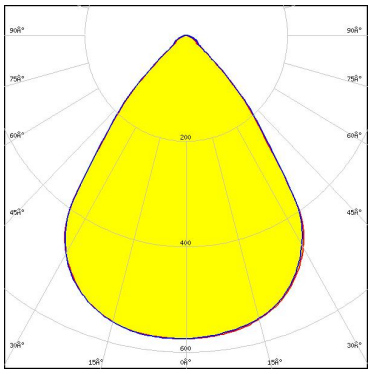
OPTICAL RESULTS (MEASURED):

TEPCOMP group

LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC
FWHM / FWTM	76.0° / 101.0°
Efficiency	91 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C16784_DAISY-4X1-SHD-WHT





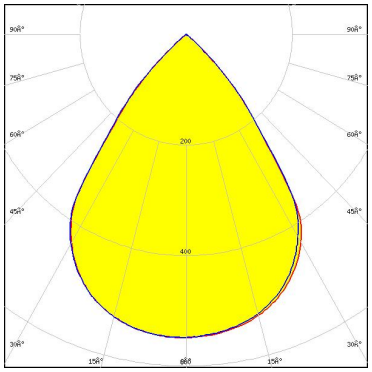
Light distribution files

TEPCOMP group

LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC
FWHM / FWTM	74.0° / 96.0°
Efficiency	76 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17422_DAISY-4X1-SHD2-MATT





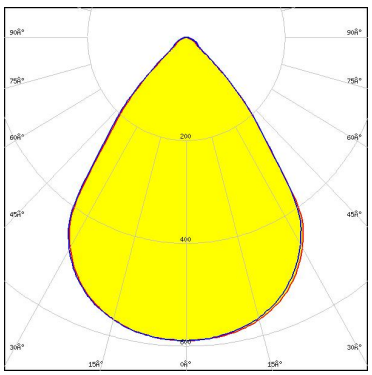
Light distribution files

TEPCOMP group

LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC
FWHM / FWTM	75.0° / 100.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:
C17423_DAISY-4X1-SHD2-WHT-MATT





Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (MEASURED):

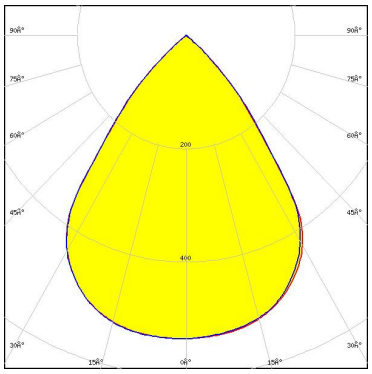
TEPCOMP group

LED	PassivePAQ-L-0.5F35-SSA3-1.6K-840-3-DC
FWHM / FWTM	75.0° / 96.0°
Efficiency	77 %
Peak intensity	0.5 cd/lm
LEDs/each optic	4
Light colour/type	White

Required components:

C16590_DAISY-4X1-SHD





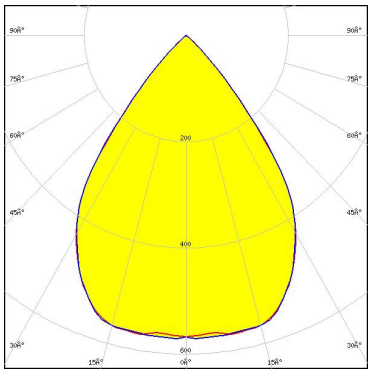
Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

OPTICAL RESULTS (SIMULATED):

SAMSUNG

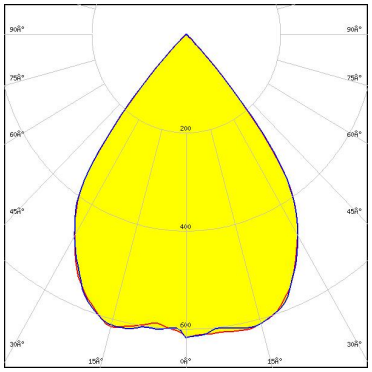
LED	LM28xB Series
FWHM / FWTM	74.0° / 92.0°
Efficiency	76 %
Peak intensity	0.6 cd/lm
LEDs/each optic	4
Light colour/type	White
Required components:	
C17422_DAISY-4X1-SHD2-MATT	



Light distribution files

SAMSUNG

LED	LM28xB Series
FWHM / FWTM	76.0° / 88.0°
Efficiency	82 %
Peak intensity	0.6 cd/lm
LEDs/each optic	2
Light colour/type	White
Required components:	
C17422_DAISY-4X1-SHD2-MATT	



Light distribution files

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.

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.

LEDiL Oy assumes neither warranty, nor guarantee nor any other liability of any kind for the contents and correctness of the provided data. The provided data has been generated with highest diligence but the provided data may in reality not represent the complete possible variation range of all intrinsic parameters. Therefore, in certain cases a deviation from the provided data could occur.

LEDiL Oy reserves the right to undertake technical changes of its products without further notification which could lead to changes in the provided data. LEDiL Oy assumes no liability of any kind for the possible deviation from any provided data or any other damage resulting from the usage of the provided data.

The user agrees to this disclaimer and user agreement with the download or usage of the provided files.

LEDiL Oy
Joensuunkatu 7
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Poznan, Poland
Hong Kong, China

Distribution Partners
www.ledil.com/
where_to_buy

LEDiL is a registered trademark of LEDiL Oy in the European Union, USA, and certain other countries.