FLORENTINA-2X2-MRK-M

~40° medium beam. Compatible with ultra high power LEDs.

SPECIFICATION:

Dimensions	89.7 x 89.7 mm
Height	17.7 mm
Fastening	pin, screw
ROHS compliant	yes ⓘ

MATERIALS:

Component	Type	Material	Colour	Finish
ROSE-MRK-M	Single lens	PC	clear	
FLORENTINA-2X2-HLD	Holder	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCP15705_FLORENTINA-2X2-MRK-M	Single lens	88	24	8	4.2

» Box size: 476 x 273 x 292 mm

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		FLORENTINA-HLD	PC	
2		ROSE (4x)	PC	

Ledil Oy
Salorankatu 10
FIN-24240 SALO
Finland

DRAWING TITLE
FLORENTINA-2X2-HLD+LENS

SIZE: A3

PART NUMBER

SCALE 1:1 | WEIGHT 24,17 g | SHEET 1/1

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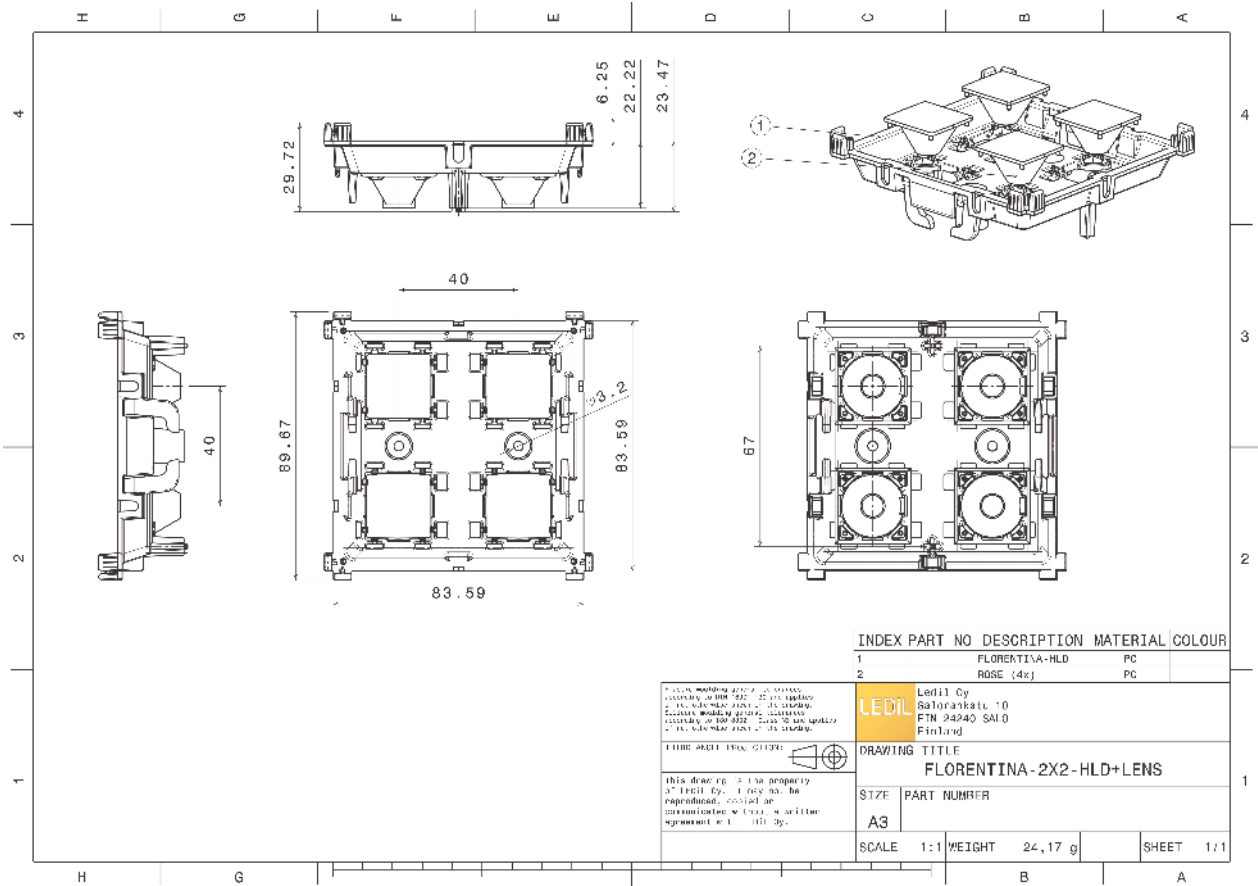
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LED		
LED	XHP35 HD	
FWHM / FWTM	39.0° / 65.0°	
Efficiency	82 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C14960_FLORENTINA-2X2-SHD-WHT		
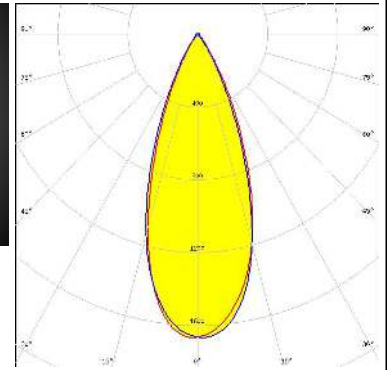
CREE LED		
LED	XHP35 HD	
FWHM / FWTM	39.0° / 64.0°	
Efficiency	79 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C14734_FLORENTINA-2X2-SHD		
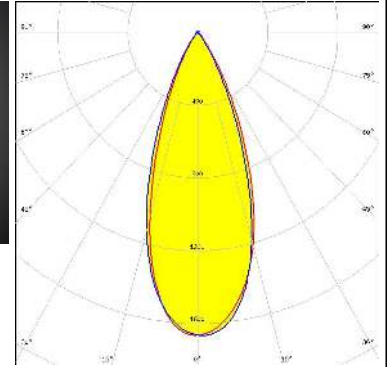
CREE LED		
LED	XHP35 HD	
FWHM / FWTM	39.0° / 64.0°	
Efficiency	79 %	
Peak intensity	1.7 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C15196_FLORENTINA-2X2-SHD-OPEN		
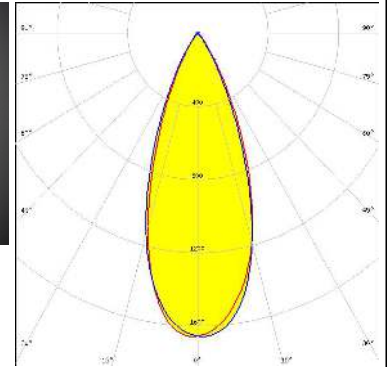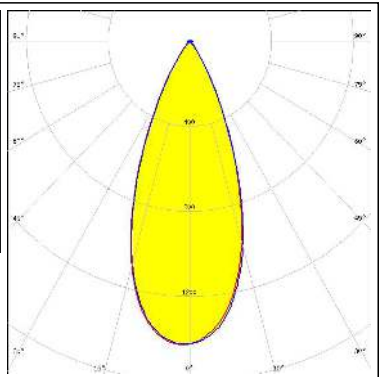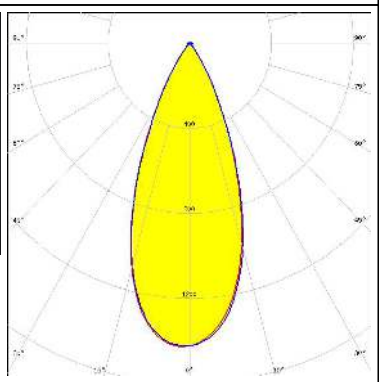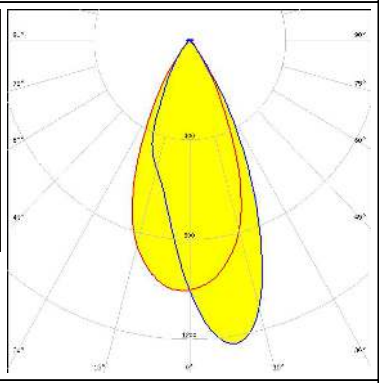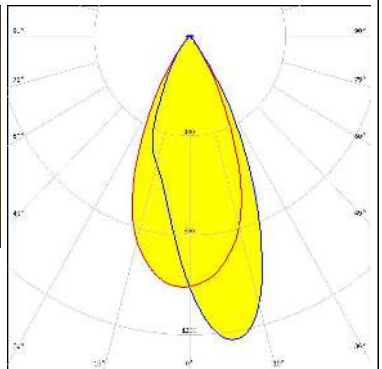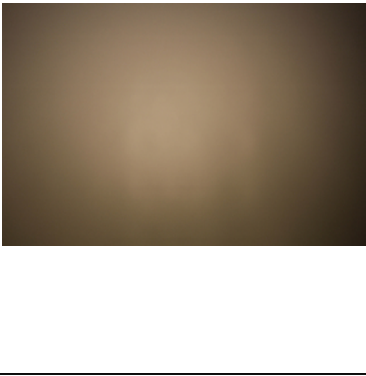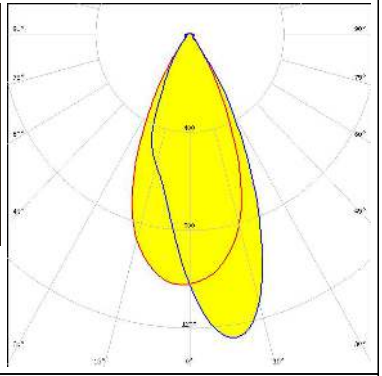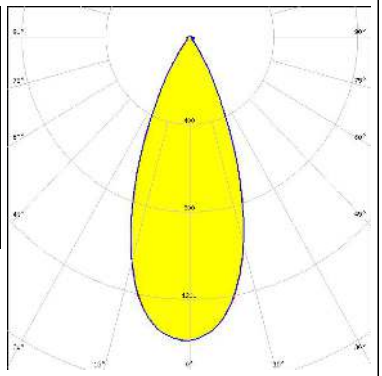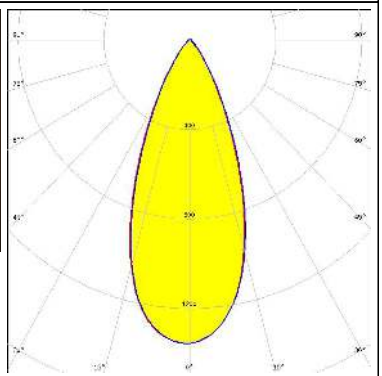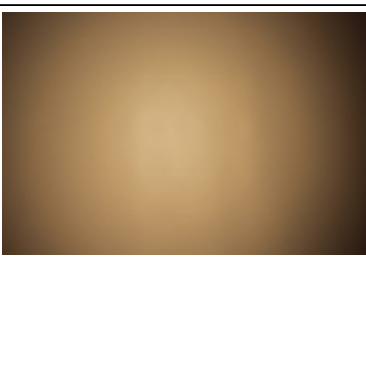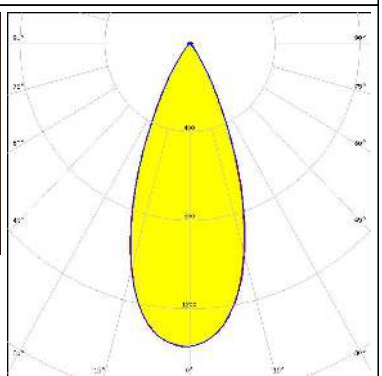
CREE LED		
LED	XHP50	
FWHM / FWTM	41.0° / 67.0°	
Efficiency	80 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C14960_FLORENTINA-2X2-SHD-WHT		
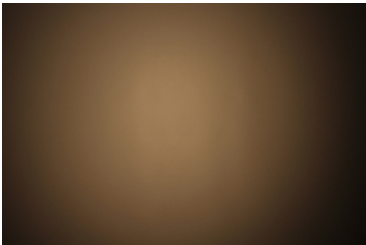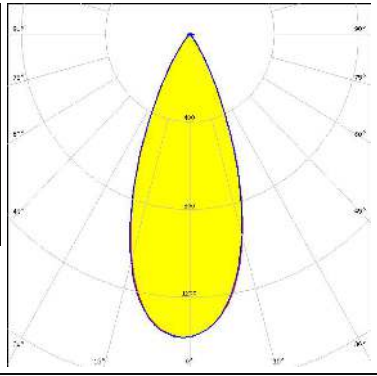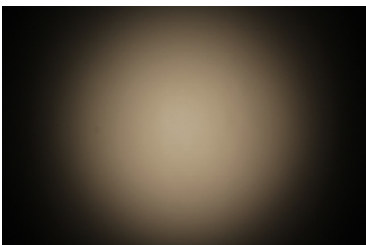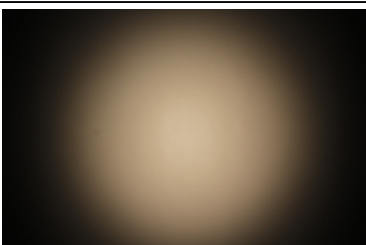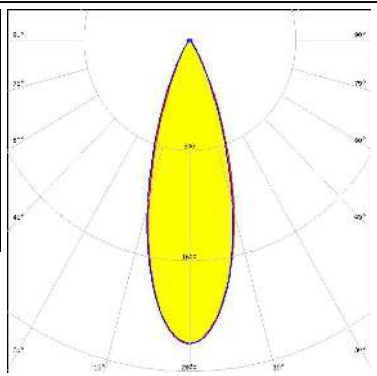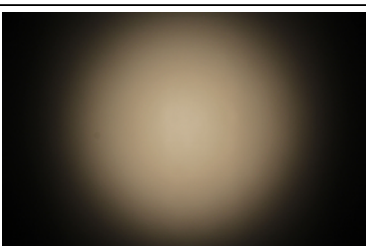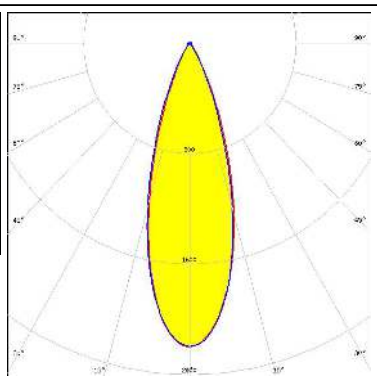
OPTICAL RESULTS (MEASURED):

CREE LED		
LED	XHP50	
FWHM / FWTM	41.0° / 66.0°	
Efficiency	76 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C14734_FLORENTINA-2X2-SHD		

CREE LED		
LED	XHP50	
FWHM / FWTM	41.0° / 66.0°	
Efficiency	76 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C15196_FLORENTINA-2X2-SHD-OPEN		

CREE LED		
LED	XHP70	
FWHM / FWTM	48.0° / 71.0°	
Efficiency	69 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C14734_FLORENTINA-2X2-SHD		

CREE LED		
LED	XHP70	
FWHM / FWTM	48.0° / 71.0°	
Efficiency	70 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
C15196_FLORENTINA-2X2-SHD-OPEN		
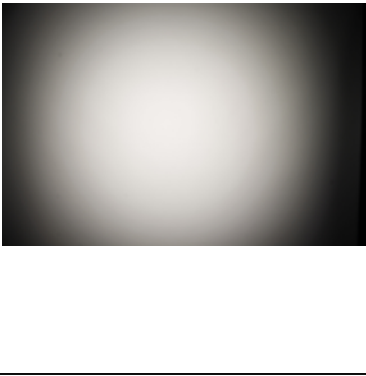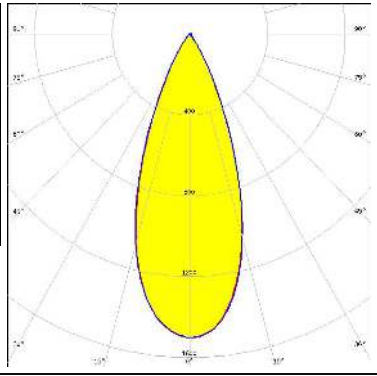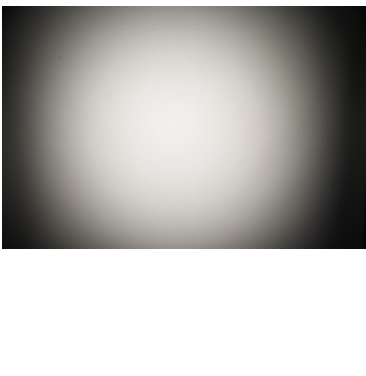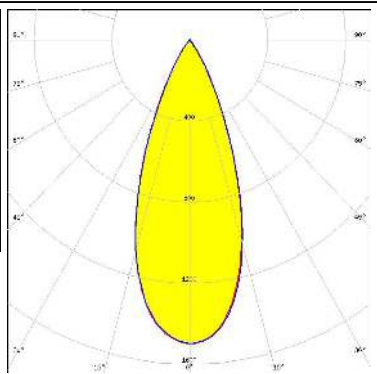
OPTICAL RESULTS (MEASURED):

LED	XHP70
FWHM / FWTM	48.0° / 73.0°
Efficiency	77 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C14960_FLORENTINA-2X2-SHD-WHT	

LED	LUXEON M/MX
FWHM / FWTM	42.0° / 66.0°
Efficiency	79 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C14960_FLORENTINA-2X2-SHD-WHT	

LED	LUXEON M/MX
FWHM / FWTM	43.0° / 72.0°
Efficiency	82 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

LED	LUXEON M/MX
FWHM / FWTM	42.0° / 66.0°
Efficiency	74 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
C14734_FLORENTINA-2X2-SHD	

OPTICAL RESULTS (MEASURED):

LUMILEDS

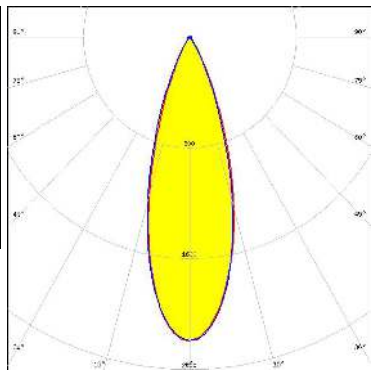|	
LED	LUXEON M/MX
FWHM / FWTM	41.0° / 66.0°
Efficiency	74 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15196_FLORENTINA-2X2-SHD-OPEN

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	33.0° / 56.0°
Efficiency	77 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15196_FLORENTINA-2X2-SHD-OPEN

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	33.0° / 56.0°
Efficiency	81 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
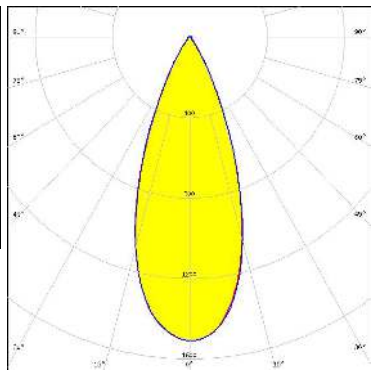C14960_FLORENTINA-2X2-SHD-WHT

LUMILEDS

LED	LUXEON MZ
FWHM / FWTM	33.0° / 56.0°
Efficiency	78 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C14734_FLORENTINA-2X2-SHD

OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	40.0° / 65.0°
Efficiency	71 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
   C15196_FLORENTINA-2X2-SHD-OPEN

OSRAM Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	40.0° / 65.0°
Efficiency	75 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
   C14960_FLORENTINA-2X2-SHD-WHT

OSRAM Opto Semiconductors

LED	OSCONIQ P 7070
FWHM / FWTM	40.0° / 65.0°
Efficiency	70 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
   C14734_FLORENTINA-2X2-SHD

OPTICAL RESULTS (SIMULATED):

LUMILEDS

LED	LUXEON 7070
FWHM / FWTM	42.0° / 71.0°
Efficiency	64 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14734_FLORENTINA-2X2-SHD
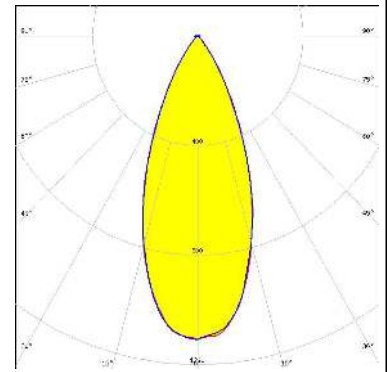
NICHIA

LED	NV4x144A
FWHM / FWTM	42.0° / 72.0°
Efficiency	76 %
Peak intensity	1.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14734_FLORENTINA-2X2-SHD
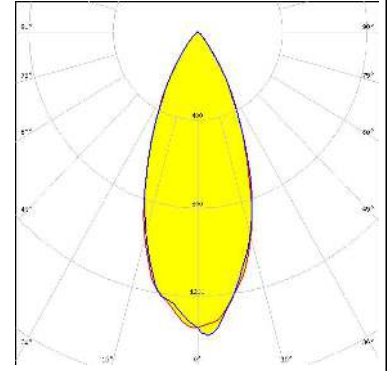
OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	39.0° / 70.0°
Efficiency	76 %
Peak intensity	1.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C14734_FLORENTINA-2X2-SHD
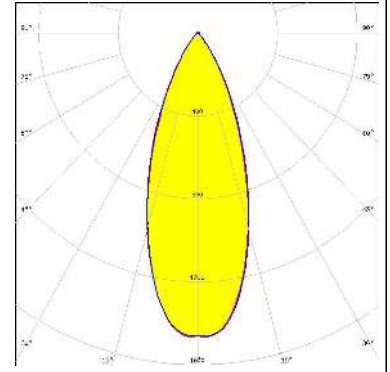
GENERAL INFORMATION:

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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