

PRODUCT DATASHEET F13839_ANGELINA-XW-B

ANGELINA-XW-B

White version with ~91° wide beam compatible with BJB connectors

Dimensions	Ø 82.0 mm
Height	31 mm
Fastening	socket
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish	Coating
ANGELINA-XW-B	Reflector	HRPC	white		

ORDERING INFORMATION:

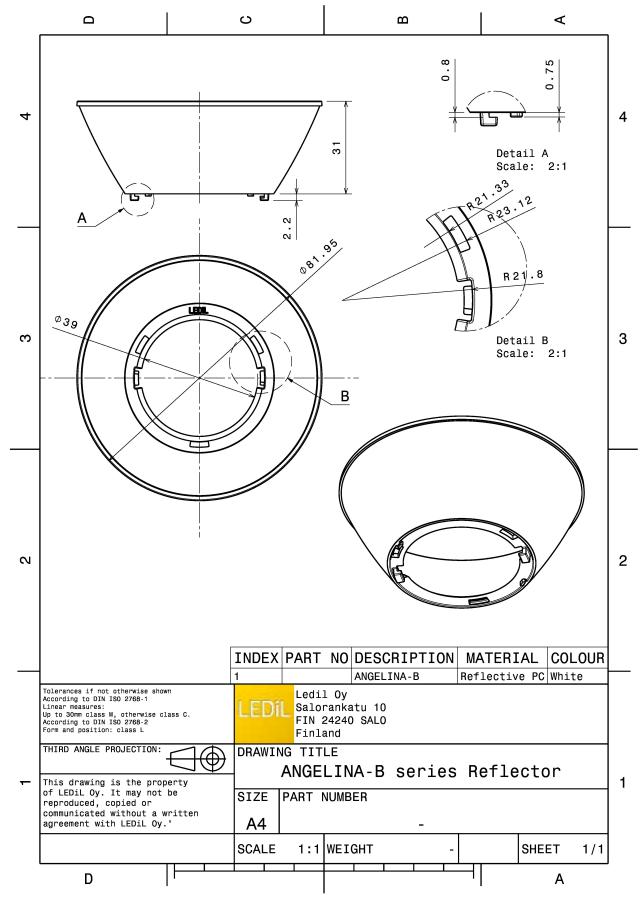
Component

F13839_ANGELINA-XW-B

» Box size: 480 x 280 x 300 mm

Qty in box	MOQ	MPQ	Box weight (kg)
2035	110	55	11.1

PRODUCT DATASHEET F13839_ANGELINA-XW-B



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



r		
bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.204		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
bridgelux LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.222		50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
bridgetux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.227		99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
bridgeluX. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen BJB: 47.319.235		200 200 200 200 200 200 200 200 200 200



bridgelux. LED FWHM / FWTM	V22 Gen6 91.0° / 133.0°		8°
Efficiency	94 %		
Peak intensity	0.5 cd/lm		807 607
LEDs/each optic	1		
Light colour	White		ar (
Required compone		State of Sta	
A.A.G. STUCCH			400
			30° 30° 30°
bridgelux.			90°
LED	V22 Gen7		
FWHM / FWTM	91.0° / 133.0°		8. 25.
Efficiency	94 %		
Peak intensity	0.5 cd/lm		200
LEDs/each optic	1		
Light colour	White		
Required compone	ents:		
BJB: 47.319.203			400
			15° 0° 15°
CITIZE	N		90* 90*
LED	CLL03x/CLU03x		
FWHM / FWTM	93.0° / 132.0°		25*
Efficiency	89 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		a
Required compone	ents:		
F13671_ANGE-	RZ-LENS		
A.A.G. STUCCH	HI: 8101-G2		400
			36* 55" 50" 55" 30*
CITIZE	N		90* 90*
LED	CLL03x/CLU03x		
FWHM / FWTM	93.0° / 133.0°		3, 3,
Efficiency	94 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		47 ¹
Required compone			
BJB: 47.319.202			/ / / / /
			30°
1			15° 0° 15°



CITIZE	N	94 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CLL03x/CLU03x 93.0° / 135.0° 94 % 0.5 cd/lm 1 White ents:	
CITIZE	:N	20 ⁷ 22 0, 22 ⁹ X
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLL04x/CLU04x 91.0° / 132.0° 88 % 0.5 cd/lm 1	
Light colour Required compone F13671_ANGE- A.A.G. STUCCH	RZ-LENS	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	CLL04x/CLU04x 91.0° / 134.0° 94 % 0.5 cd/lm 1 White ents: 30	
CITTIZE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	CLL04x/CLU04x 92.0° / 135.0° 94 % 0.5 cd/lm 1 White ents:	



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.214	CXA/B 25xx 92.0° / 134.0° 94 % 0.5 cd/lm 1 White ints:		
			9° 9
LED FWHM / FWTM	CXA/B 25xx 93.0° / 135.0°		75
Efficiency	94 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		
Required compone			
A.A.G. STUCCH	ll: 8401-G2		400
			30° 25° 0° 15°
	D		50 ⁴
LED	CXA/B 25xx		
FWHM / FWTM	92.0° / 133.0°		
Efficiency	92 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour Required compone	White		
F13671_ANGE-			
BJB: 47.319.214			20° - 23° - 3
			90 ⁴
LED	CXA/B 30xx		75
FWHM / FWTM	90.0° / 134.0°		
Efficiency	94 %		
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
			432
Light colour	White		**
	White nts:		e



	EDS	9y ⁴ 9y ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	LUXEON CoB 1204/1205 94.0° / 135.0° 94 % 0.5 cd/lm 1 White ents:	
	FDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone A.A.G. STUCCH	LUXEON CoB 1208 93.0° / 135.0° 94 % 0.5 cd/lm 1 White ents:	
	FDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	LUXEON CoB 1211 92.0° / 135.0° 94 % 0.5 cd/lm 1 White ents: 30	
Control Contro	LUXEON CoB 1211 91.0° / 133.0° 94 % 0.5 cd/lm 1 White ents:	



	FDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	LUXEON CoB 1216/1812 91.0° / 134.0° 96 % 0.5 cd/lm 1 White ents:	
	EDS	90* 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F13671_ANGE- BJB: 47.319.203	LUXEON CoB 1216/1812 91.0° / 133.0° 89 % 0.5 cd/lm 1 White ents: -RZ-LENS	
	FDS	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	LUXEON K12 91.0° / 112.0° 94 % 0.5 cd/lm 1 White ents: 70	
CUMIL LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.203	LUXEON K16 91.0° / 108.0° 94 % 0.5 cd/lm 1 White ents:	



	INUS		90*	90
LED	CxM-14 (19x19)		75*	
FWHM / FWTM	92.0° / 134.0°		\sim	
Efficiency	94 %		60*	
Peak intensity	0.5 cd/lm		200	
LEDs/each optic	1			
Light colour	White			
Required compone				$\sim K$
BJB: 47.319.202	21		400	
			36° 15° 0°	15°
	INUS		90*	9
LED	CxM-22 (28x28)			
FWHM / FWTM	91.0° / 135.0°		750	
Efficiency	94 %		60°	\sim
Peak intensity	0.5 cd/lm		200_	<u> </u>
LEDs/each optic	1			
Light colour	White		er l	
Required compone	nts:			
BJB: 47.319.203	30		400	
			30° 15° 0°	12.0
OSRAM				
			90*	90
Opto Semiconductors	Soleria S13 19x19		90*	90
Opto Semiconductors	Soleriq S13 19x19 94.0° / 137.0°		90* 28*	
Opto Semiconductors LED FWHM / FWTM			90 [°]	
opto Semiconductors LED FWHM / FWTM Efficiency	94.0° / 137.0°		94°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	94.0° / 137.0° 94 %		90* 70 90 90 90 90 90	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94.0° / 137.0° 94 % 0.5 cd/lm		94 26 26	
Opto Semiconductors	94.0° / 137.0° 94 % 0.5 cd/lm 1 White		97 76 67 78	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints:		91 71 91 91 92 92 92 92 92 92 90	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints:		97 70 07 07 00 00	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints:		9° 70 60 70 70 70 70 70 70 70 70 70 70 70 70 70	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints:		94°	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	94.0° / 137.0° 94 % 0.5 cd/lm 1 White Ints: 21		9° 5° 6° 3° 3° 3° 50 	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202	94.0° / 137.0° 94 % 0.5 cd/lm 1 White Ints: 21		9° 70 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8° 8°	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM	94.0° / 137.0° 94 % 0.5 cd/lm 1 White mts: 21 Soleriq S19 92.0° / 134.0°			
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	94.0° / 137.0° 94 % 0.5 cd/lm 1 White Ints: 21 Soleriq S19 92.0° / 134.0° 94 %			
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints: 21 Soleriq S19 92.0° / 134.0° 94 % 0.5 cd/lm			
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints: 21 Soleriq S19 92.0° / 134.0° 94 % 0.5 cd/lm 1			
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94.0° / 137.0° 94 % 0.5 cd/lm 1 White Ints: 21 Soleriq S19 92.0° / 134.0° 94 % 0.5 cd/lm 1 White			
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints: 21 Soleriq S19 92.0° / 134.0° 94 % 0.5 cd/lm 1 White ints:			
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints: 21 Soleriq S19 92.0° / 134.0° 94 % 0.5 cd/lm 1 White ints:			
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.202 OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	94.0° / 137.0° 94 % 0.5 cd/lm 1 White ints: 21 Soleriq S19 92.0° / 134.0° 94 % 0.5 cd/lm 1 White ints:			



OSRAM Opto Semiconductors		90° 90'
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.217		
PHILIP	20	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo SLM L19 CoB 91.0° / 130.0° 91 % 0.5 cd/lm 1 White	
F13671_ANGE- BJB: 47.319.200	RZ-LENS	30" 15" 15" X
PHILIF	S	90° 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone BJB: 47.319.200		
		30 - 25 - 25 - 25
PHILLS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	Fortimo SLM L23 CoB 90.0° / 131.0° 94 % 0.5 cd/lm 1 White	
Required compone BJB: 47.319.203		



PHILI	S	50 ⁴
LED FWHM / FWTM Efficiency	Fortimo SLM L23 CoB 90.0° / 131.0° 91 %	75
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
F13671_ANGE-	RZ-LENS	
BJB: 47.319.20	30	39 ⁶ 20 ⁷ 0 ⁴ 10 ⁷ 3
SVWSI	UNG	50 ⁴
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	93.0° / 134.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
BJB: 47.319.202	21	
SAMSI	UNG	39'
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	93.0° / 134.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone A.A.G. STUCCH		
SVWSI	UNG	99 ⁴
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	93.0° / 133.0°	
Efficiency	91 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
	White	
Light colour		
Light colour Required compone F13671_ANGE-	ents:	



SAMSU	JNG	34 ⁴
LED	LC016D / LC019D / LC026D / LC033D	
FWHM / FWTM	93.0° / 133.0°	70
Efficiency	91 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ints:	
F13671_ANGE-		
A.A.G. STUCCH	II: 8101-G2	
		20 ⁴ 10 ⁷ 10 ⁷
SEOUL		36*
SEOUL SEMICONDUCTOR	ZC12/18	
FWHM / FWTM	93.0° / 135.0°	7
Efficiency	94 %	
Peak intensity	0.5 cd/lm	60 ¹
LEDs/each optic	1	
Light colour	White	
Required compone		
A.A.G. STUCCH		
SEOUL		257 0° 357
SEOUL SEMICONDUCTOR	7025/40/60	
FWHM / FWTM	ZC25/40/60 91.0° / 134.0°	8
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
A.A.G. STUCCH		
		304
SHA	RD	257 Ø* 15*
	Mega Zenigata (GW5DGC)	
FWHM / FWTM	93.0° / 134.0° 94 %	
Efficiency Rock intensity		w w
Peak intensity	0.5 cd/lm 1	
LEDs/each optic Light colour	1 White	
Required compone		
B IB. 17 210 204		
BJB: 47.319.201		
BJB: 47.319.201		



SHA	RP	y, y
LED	Mega Zenigata (GW6DME)	
FWHM / FWTM	93.0° / 134.0°	
Efficiency	94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
A.A.G. STUCCH		
		20 ² 20 ²
SHA	RP	90°
LED	Mega Zenigata (GW6DME)	
EED FWHM / FWTM	93.0° / 134.0°	
Efficiency	93.0 / 134.0 94 %	
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	' White	
Required compone		
BJB: 47.319.201		
D0D: 47.013.20		
		20°
TRIDON	IIC	90 ⁴
LED	SLE G7 LES17 H	
FWHM / FWTM	91.0° / 133.0°	
	01.0 / 100.0	
	94 %	
Efficiency	94 % 0.5 cd/lm	00 ⁻
Efficiency Peak intensity	0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic	0.5 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic	0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents: SLE G7 LES21 H	
Efficiency Peak intensity LEDs/each optic Light colour Required compone	0.5 cd/lm 1 White ents: SLE G7 LES21 H 90.0° / 133.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required compone TRIDON LED FWHM / FWTM Efficiency	0.5 cd/lm 1 White onts: SLE G7 LES21 H 90.0° / 133.0° 94 %	
Efficiency Peak intensity LEDs/each optic Light colour Required compone TRIDON LED FWHM / FWTM Efficiency Peak intensity	0.5 cd/lm 1 White ents: SLE G7 LES21 H 90.0° / 133.0° 94 % 0.5 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compone TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	0.5 cd/lm 1 White ents: SLE G7 LES21 H 90.0° / 133.0° 94 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component Pequired component Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White ents: SLE G7 LES21 H 90.0° / 133.0° 94 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required componer TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White ents: SLE G7 LES21 H 90.0° / 133.0° 94 % 0.5 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required compone TRIDON LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	0.5 cd/lm 1 White ents: SLE G7 LES21 H 90.0° / 133.0° 94 % 0.5 cd/lm 1 White	



XICATO)		51 ⁴
LED	XOB 14.5 mm		75*
FWHM / FWTM	93.0° / 132.0°		
Efficiency	94 %		60* 60*
Peak intensity	0.5 cd/lm		
LEDs/each optic	1		
Light colour	White		87°
Required compone	ents:		
BJB: 47.319.2021		440	
			34.
			15° 0° 15°



PHOTOMETRIC DATA (SIMULATED):

CITIZEN	J	50° 50°
LED	CLU730/731	
FWHM / FWTM	86.0° / 110.0°	78
Efficiency	93 %	60° 200 - 200
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components	5:	
BJB: 47.319.2030		
		30*
		10 ⁻⁰ 10 ⁻⁰
SAMSU	NG	90° 90°
LED	LC040D / LC060D / LC080D	
FWHM / FWTM	91.0° / 127.0°	25.
Efficiency	88 %	60 ⁴
Peak intensity	0.5 cd/lm	
LEDs/each optic	1	
Light colour	White	9° (
Required components:		
BJB: 47.319.2030		
		400
		X MACA



PRODUCT DATASHEET F13839_ANGELINA-XW-B

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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

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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LEDiL Oy

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