

PRODUCT DATASHEET F17165_LINNEA-GC2-90

LINNEA-GC2-90

~90° wide beam

TECHNICAL SPECIFICATIONS:

Dimensions	283.6 x 43.0 mm
Height	15.2 mm
Fastening	clips
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

Component LINNEA-GC2-90 **Type** Linear lens

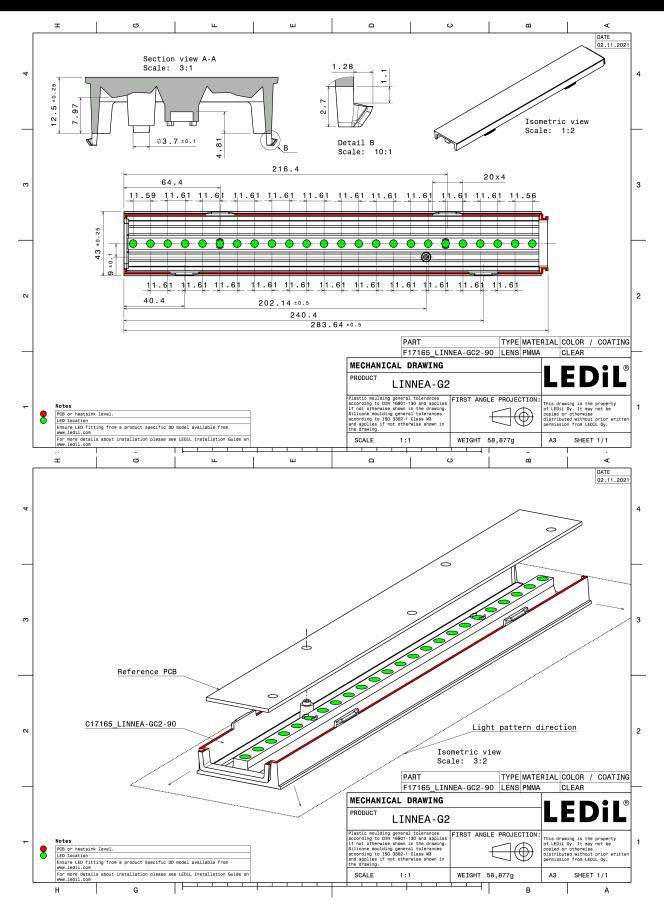
Material	Colour	Finish
PMMA	clear	

Box weight (kg) 8.5

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ
F17165_LINNEA-GC2-90	120	32	8
» Box size: 398 x 298 x 265 mm			

PRODUCT DATASHEET F17165_LINNEA-GC2-90



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



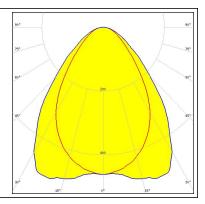
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED

FWHM / FWTM73Efficiency88Peak intensity0.4LEDs/each optic1Light colourWRequired components:

LLE 24x280mm 1250lm HV HO ADV1 73.0 + 85.0° / 129.5 + 135.0° 88 % 0.5 cd/lm 1 White





		90* <u>90</u> *
LED	J Series 2835	
FWHM / FWTM	76.0 + 80.0° / 118.0 + 138.0°	75*
Efficiency	89 %	
Peak intensity	0.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	42*
Required components:	Wilde	
Required components.		400
		30° 30° 30°
		90° 90°
LED	J Series 3030	
FWHM / FWTM	72.0 + 79.0° / 116.0 + 132.0°	73
Efficiency	89 %	
Peak intensity	0.5 cd/lm	60°
LEDs/each optic	1	
Light colour	White	95* est
Required components:		
		440
		30°
		10 0 10
)S	90 ⁴ 90 ⁴ 90 ⁴
	LUXEON 2835 Line	99° 99°
		20 V 20 V
LED FWHM / FWTM	LUXEON 2835 Line	
LED FWHM / FWTM Efficiency	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0°	00 ⁴ 20 00 ⁴ 20 00 ⁴ 0 ⁵ 00 ⁴ 0 ⁵
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm	g (c)
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1	99° 99° 99° 99° 99° 99° 99° 99° 99° 99°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White Vhite	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White S LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White DS LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White S LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0° 87 % 0.5 cd/lm 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White S LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0° 87 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White S LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0° 87 % 0.5 cd/lm 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White S LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0° 87 % 0.5 cd/lm 2	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 76.0 + 80.0° / 117.0 + 138.0° 89 % 0.5 cd/lm 1 White S LUXEON 2835 Line 73.0 + 80.0° / 120.0 + 152.0° 87 % 0.5 cd/lm 2	



	DS	50 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 HE Plus 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1 White	
Μ ΝΙCΗΙΛ		90* 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2W585AR-P8 76.0 + 81.0° / 118.0 + 143.0° 91 % 0.5 cd/lm 1 White	
Μ ΝΙCΗΙΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2W757G-MT (Tunable White) 76.0 + 80.0° / 117.0 + 142.0° 91 % 0.5 cd/lm 1 Tunable White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NFSW757H 78.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White	90* 9 33* 200 60* 200 60* 400

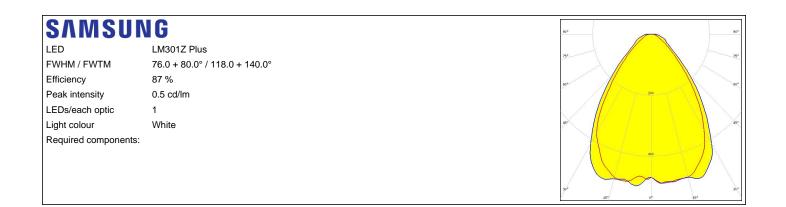


MICHIΛ		90° 90°
LED	NFSx757G	
FWHM / FWTM	76.0 + 80.0° / 118.0 + 138.0°	75.
Efficiency	91 %	
Peak intensity	0.5 cd/lm	[™] // / / / / / / / / / / / / / / / / /
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		400
		302
OCDAM		159 0 ⁶ 35°
OSRAM Opto Semiconductors		90° 90°
LED	Duris E 2835	75*
FWHM / FWTM	76.0 + 80.0° / 118.0 + 139.0°	
Efficiency	89 %	60° 60°
Peak intensity	0.5 cd/lm	200
LEDs/each optic	1	
Light colour	White	\$7°
Required components:		
		400
		30° 30° 30°
OSRAM		90* 90*
Opto Semiconductors	Durio SE (2 obio)	94
Opto Semiconductors	Duris S5 (2 chip)	29. 29. 29.
opto Semiconductors LED FWHM / FWTM	76.0 + 80.0° / 116.0 + 136.0°	25
opto Semiconductors LED FWHM / FWTM Efficiency	76.0 + 80.0° / 116.0 + 136.0° 89 %	99 ⁴ 99 ⁷
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm	90 ⁴ 90 ⁴
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	50° 50° 50°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm	99 ⁴ 99 ⁴ 99 99 99 99 99 99 99 99 99 99 99 99 99
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	99 ⁴ 99 60 ⁴ 80
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	90 ⁴ 90 ⁴ 90 90 90 90 90 90 90 90 90 90 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	90 ⁴ 70 70 70 70 70 70 70 70 70 70
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424 76.0 + 81.0° / 118.0 + 139.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424 76.0 + 81.0° / 118.0 + 139.0° 91 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424 76.0 + 81.0° / 118.0 + 139.0° 91 % 0.5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424 76.0 + 81.0° / 118.0 + 139.0° 91 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424 76.0 + 81.0° / 118.0 + 139.0° 91 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424 76.0 + 81.0° / 118.0 + 139.0° 91 % 0.5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	76.0 + 80.0° / 116.0 + 136.0° 89 % 0.5 cd/lm 1 White OSCONIQ C 2424 76.0 + 81.0° / 118.0 + 139.0° 91 % 0.5 cd/lm 1	



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OSRAM Opto Semiconductors		90* 90*
LED	SYNIOS S2222 (KW DDLM31)	
FWHM / FWTM	76.0 + 80.0° / 116.0 + 136.0°	73.
Efficiency	89 %	
Peak intensity	0.5 cd/lm	50 ¹⁹ 200
LEDs/each optic	1	
Light colour	White	45°
Required components:		
		40
		30" 30"
		15° 0° 15°
SAMSUN	IG	90*
LED	LM28xB Series	
FWHM / FWTM	73.0 + 78.0° / 117.0 + 126.0°	75°
Efficiency	86 %	
Peak intensity	0.5 cd/lm	B0 ¹⁹ B0 ¹⁹
LEDs/each optic	1	
Light colour	White	95*
Required components:		
		30%
		45% 0% 35%
SAMSUN	IG	50 ⁴ 50 ⁴
	LM301B	51 ⁴ 51 ⁴
		3 ¹ 3 ¹ 3 ¹ 3 ¹ 3 ¹
LED	LM301B	80°
LED FWHM / FWTM	LM301B 76.0 + 80.0° / 118.0 + 140.0°	60 ⁴ 50 ⁶
LED FWHM / FWTM Efficiency	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 %	97 - 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm	5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹ 5 ¹
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1	59 ⁴ 59 60 50 50 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1	91 ⁴ 91 ⁴ 91 91 91 91 91 91 91 91 91 91 91 91 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1	91 ⁴ 91 ⁴ 91 ⁴ 90 90 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White	5° 5° 6° 5° 6° 6° 6° 6° 6° 6° 6° 6° 6° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White	304 304 304 306 304 306 306 306 307 306 308 306
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White	22 23 23 24 25 24 26 20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White I LM301D 76.0 + 80.0° / 118.0 + 138.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White I LM301D 76.0 + 80.0° / 118.0 + 138.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White I LM301D 76.0 + 80.0° / 118.0 + 138.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White LM301D 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White LM301D 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White LM301D 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White LM301D 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White LM301D 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LM301B 76.0 + 80.0° / 118.0 + 140.0° 89 % 0.5 cd/lm 1 White LM301D 76.0 + 80.0° / 118.0 + 138.0° 89 % 0.5 cd/lm 1	







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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LEDiL Oy

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