

PRODUCT DATASHEET F17164_LINNEA-GC2-110

LINNEA-GC2-110

~110° wide beam

TECHNICAL SPECIFICATIONS:

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



MATERIAL SPECIFICATIONS:

Component LINNEA-GC2-110 **Type** Linear lens

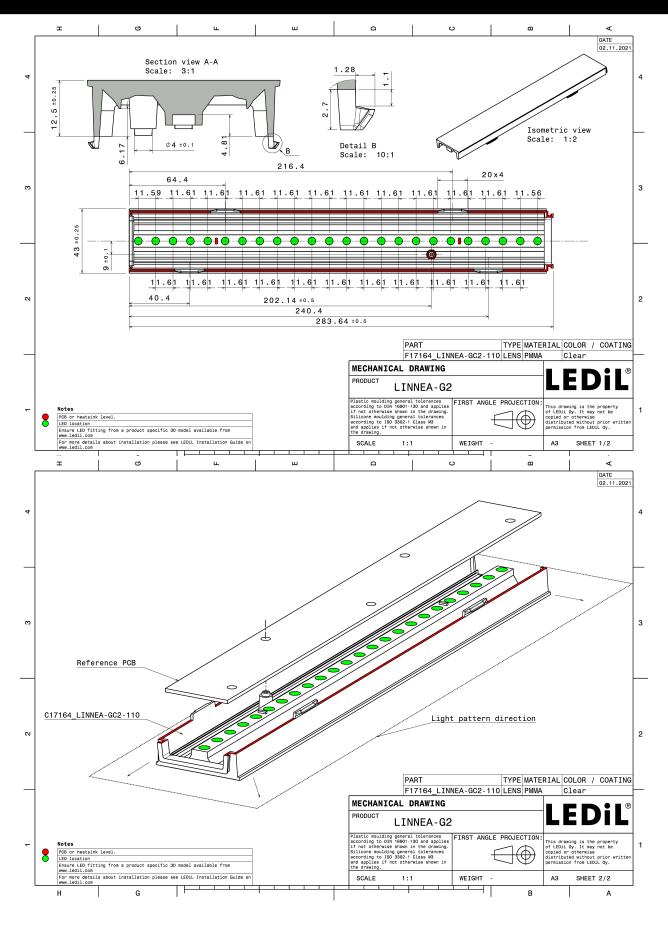
Material	Colour	Finish
PMMA	clear	

ORDERING INFORMATION:

Component F17164_LINNEA-GC2-110 » Box size: 398 x 298 x 265 mm

Qty in box	MOQ	MPQ	Box weight (kg)
120	32	8	9.3

PRODUCT DATASHEET F17164_LINNEA-GC2-110



R

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



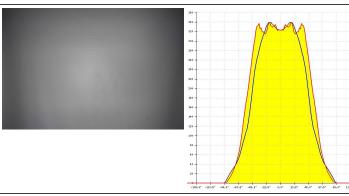
PHOTOMETRIC DATA (MEASURED):

TRIDONIC

LED

FWHM / FWTM94Efficiency88Peak intensity0.4LEDs/each optic1Light colourWRequired components:

LLE 24x280mm 1250lm HV HO ADV1 94.0 + 110.0° / 147.0 + 146.0° 88 % 0.4 cd/lm 1 White





LED	J Series 2835	
FWHM / FWTM	94.0 + 105.0° / 147.0 + 142.0°	75%
Efficiency	87 %	
Peak intensity	0.4 cd/lm	.65*
LEDs/each optic	1	
Light colour	White	45°
Required components:		300
		30* 30* 30*
LED	J Series 3030	
FWHM / FWTM	92.0 + 102.0° / 149.0 + 140.0°	73° 77°
Efficiency	87 %	100
Peak intensity	0.4 cd/lm	.50° 60°.
LEDs/each optic	1	200
Light colour	White	
Required components:	Wille	
Required components.		***
		X
		400
		30* 25° 0* 30*
)S	
		87
LED	LUXEON 2835 Line	90°
LED FWHM / FWTM	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0°	99 ² 79 ⁴ 110
LED FWHM / FWTM Efficiency	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 %	90 ⁵ 90 ⁶ 73 ¹ 70 60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm	90 ⁵ 90 ⁴ 79 ⁵ 200 60 ⁴ 60 ⁴
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	90° 90° 90° 90° 90° 90° 90° 90° 90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm	90° 75° 60° 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	90° 73° 00° 60° 60° 60° 500 60° 60° 60° 60° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	90° 73 60° 65° 300 66° 500 66°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	99° 73° 60° 60° 60° 500 60° 500 60° 60° 60° 60° 60° 60° 60° 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	90 ³ 90 ⁴ 90 ⁴ 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White	90° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White	92 ³ 92 ³ 92 ⁴ 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White S LUXEON 3030 HE Plus	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White S LUXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0°	92° 100 64° 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White S LUXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0° 87 %	92 93 94 95 96 96 96 96 96 96 96 96 96 96
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White S LUXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0° 87 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White UXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0° 87 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White S LUXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0° 87 % 0.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: With Components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White UXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0° 87 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White UXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0° 87 % 0.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 2835 Line 95.0 + 106.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1 White UXEON 3030 HE Plus 96.0 + 104.0° / 149.0 + 142.0° 87 % 0.4 cd/lm 1	



)S	<u>80*</u>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3535L HE PLUS 94.0 + 104.0° / 147.0 + 142.0° 87 % 0.4 cd/lm 1 White	
		10x 40 125 3
Μ ΝΙCΗΙΛ		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2W585AR-P8 94.0 + 108.0° / 148.0 + 149.0° 89 % 0.4 cd/lm 1 White	253 - 509 -
Required components:		20 ⁴ 12 ¹ 0 ⁴ 12 ⁴ 2
ΜΝΙCΗΙΛ		90*
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NF2W757G-MT (Tunable White) 94.0 + 104.0° / 147.0 + 144.0° 89 % 0.4 cd/lm 1 Tunable White	23 - 260 - 261 - 2
Required components:		
NICHIA LED FWHM / FWTM Efficiency	NFSW757H 96.0 + 106.0° / 149.0 + 144.0° 87 %	99 ⁻ 73-
Peak intensity LEDs/each optic Light colour Required components:	0.3 cd/lm 1 White	40 ⁵ 210
		32* 15) 0° 15'

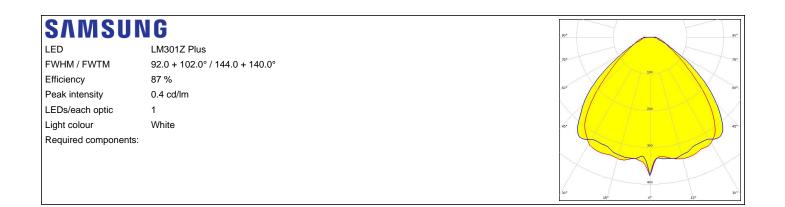


MICHIΛ		90* 90*
LED	NFSx757G	
FWHM / FWTM	95.0 + 105.0° / 148.0 + 144.0°	734
Efficiency	89 %	100
Peak intensity	0.4 cd/lm	60* 60*
LEDs/each optic	1	
Light colour	White	45*
Required components:		
		400
		30° 13 ⁵ 0 ⁶ 15° 30°
OSRAM Opto Semiconductors		90° 90°
LED	Duris E 2835	
FWHM / FWTM	96.0 + 106.0° / 149.0 + 142.0°	75° 778°
Efficiency	87 %	300
Peak intensity	0.4 cd/lm	60*
LEDs/each optic	1	200
Light colour	White	165°
Required components:		
		\times
		400
		(30* 30*)
		20 9 20
OSRAM Opto Semiconductors		90* 20
OSRAM Opto Semiconductors LED	Duris S5 (2 chip)	
Opto Semiconductors	Duris S5 (2 chip) 94.0 + 105.0° / 148.0 + 140.0°	20 10 10 10 10 10 10 10 10 10 10 10 10 10
Opto Semiconductors	Duris S5 (2 chip) 94.0 + 105.0° / 148.0 + 140.0° 87 %	10 10 10 10 10 10 10 10 10 10 10 10 10 1
opto Semiconductors LED FWHM / FWTM Efficiency	94.0 + 105.0° / 148.0 + 140.0°	10 10 10 10 10 10 10 10 10 10 10 10 10 1
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity	94.0 + 105.0° / 148.0 + 140.0° 87 %	200 LD
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm	10 10 10 10 10 10 10 10 10 10 10 10 10 1
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1	200
^{opto Semiconductors} LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Peak Opto Semiconductors LED FWHM / FWTM Efficiency	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White OSCONIQ C 2424 93.0 + 104.0° / 145.0 + 143.0° 89 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White OSCONIQ C 2424 93.0 + 104.0° / 145.0 + 143.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White OSCONIQ C 2424 93.0 + 104.0° / 145.0 + 143.0° 89 % 0.4 cd/lm 1	
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 Light colour	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White OSCONIQ C 2424 93.0 + 104.0° / 145.0 + 143.0° 89 % 0.4 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White OSCONIQ C 2424 93.0 + 104.0° / 145.0 + 143.0° 89 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White OSCONIQ C 2424 93.0 + 104.0° / 145.0 + 143.0° 89 % 0.4 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	94.0 + 105.0° / 148.0 + 140.0° 87 % 0.4 cd/lm 1 White OSCONIQ C 2424 93.0 + 104.0° / 145.0 + 143.0° 89 % 0.4 cd/lm 1	



OODAN		
OSRAM Opto Semiconductors		90* 90*
LED	SYNIOS S2222	
FWHM / FWTM	96.0 + 108.0° / 147.0 + 142.0°	75°
Efficiency	87 %	100
Peak intensity	0.4 cd/lm	504 604
LEDs/each optic	1	200
Light colour	White	
Required components:		
		\times
		400
		(30° 30° 30° 30°
SAMSUN	10	
		90* 90*
LED	LM28xB Series	70
FWHM / FWTM	94.0 + 102.0° / 144.0 + 140.0°	
Efficiency	85 %	60* 60*
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	200
Light colour	White	er / / / / / / / / /
Required components:		
		300
		XTTX
		30* 400 30*
0.0.0.0.0.0.0		13° 0° 13°
SAMSUN	lū	90* 90*
LED	LM301B	
FWHM / FWTM	96.0 + 106.0° / 149.0 + 143.0°	75°
Efficiency	87 %	
Peak intensity	0.4 cd/lm	60° 60°
LEDs/each optic	1	
		- 200
Light colour	White	-57
Light colour Required components:		200 100 100
		67
		er 00
		50 <u>500</u> 50 <u>100</u> 200
Required components:	White	
	White	
Required components:	White	
Required components:	White G LM301D	
Required components:	White	
Required components: SAMSUN LED FWHM / FWTM Efficiency	White G LM301D 94.0 + 102.0° / 148.0 + 142.0° 87 %	
Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	White G LM301D 94.0 + 102.0° / 148.0 + 142.0°	20 40 40 40 40 40 40 40 40 40 4
Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White G LM301D 94.0 + 102.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	
Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White G LM301D 94.0 + 102.0° / 148.0 + 142.0° 87 % 0.4 cd/m	
Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	White G LM301D 94.0 + 102.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	
Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White G LM301D 94.0 + 102.0° / 148.0 + 142.0° 87 % 0.4 cd/lm 1	
Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	White G LM301D 94.0 + 102.0° / 148.0 + 142.0° 87 % 0.4 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.

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 13 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 Salo, Finland Hong Kong, China

Distribution Partners www.ledil.com/ where_to_buy