

LINNEA-60

 ${\sim}60^\circ$ + 90° beam optimized for 1.0 mm metal sheet or profile. Variant made from PC.

SPECIFICATION:

Dimensions	285.0 x 40.0 mm
Height	9.5 mm
Fastening	clips
ROHS compliant	yes 🛈



MATERIALS:

Component	Туре	Material	Colour	Finish
LINNEA-60	Linear lens	PC	clear	

ORDERING INFORMATION:

Component

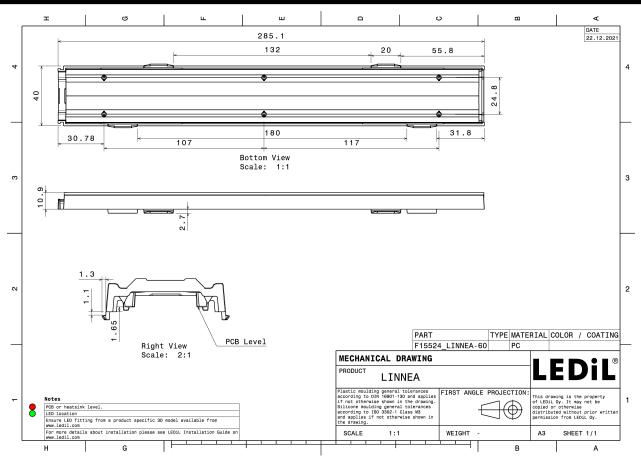
F15524_LINNEA-60

» Box size: 398 x 298 x 265 mm

Qty in box	MOQ	MPQ	Box weight (kg)
153	36	36	8.3



PRODUCT DATASHEET F15524_LINNEA-60



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



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CALOSNU405-M7W1 96.0 + 55.0° / 141.0 + 87.0° 84 % 0.6 cd/lm 1 White nts:	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CALOSNU410-M7W1 95.0 + 55.0° / 139.0 + 86.0° 84 % 0.6 cd/lm 1 White nts:	
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XP-E 96.0 + 54.0° / 139.0 + 86.0° 83 % 0.6 cd/lm 1 White nts:	
Helvar LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	L-iC-282-827-865-011A 97.0 + 58.0° / 142.0 + 91.0° 84 % 0.6 cd/lm 1 White nts:	



Helvar LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LP-282-840-009A 60/300 97.0 + 58.0° / 142.0 + 91.0° 84 % 0.6 cd/lm 1 White nts:	
Helvar LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LS-282-840-011A 97.0 + 58.0° / 145.0 + 91.0° 84 % 0.6 cd/lm 1 White nts:	
Helvar LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LX-282-840-023A 96.0 + 59.0° / 144.0 + 92.0° 85 % 0.6 cd/lm 1 White nts:	
High-Parformance LED Te LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinearZ 280-112 Circadian TW 92.0 + 64.0° / 147.0 + 104.0° 85 % 0.5 cd/lm 1 Tunable White	



₩ LUMIT	PONIX [®]	90 ⁶
High-Performance LED-Te LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinearZ 280-26 96.0 + 59.0° / 145.0 + 92.0° 85 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinearZ 280-40 TW 94.0 + 59.0° / 142.0 + 92.0° 85 % 0.6 cd/lm 1 Tunable White	90° 92° 72° 200 0° 60° 60° 30° 60° 12° 8°
Your solut LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LinLED 280x24mm 1100lm 830 2C 30V LINNEA-GC G1 96.0 + 59.0° / 143.0 + 89.0° 85 % 0.6 cd/lm 1 White	Nr. Dr. Nr. 60x 400 60x 60x 60x 60x 60x 60x 60x 700 60x 60x
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NF2x757G 96.0 + 54.0° / 141.0 + 87.0° 84 % 0.6 cd/lm 1 White	



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LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NFSW757H 96.0 + 60.0° / 145.0 + 93.0° 86 % 0.6 cd/lm 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NFSx757G 96.0 + 59.0° / 145.0 + 88.0° 83 % 0.6 cd/lm 1 White	
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PL-LIN-IND-Z1 2800 560x24 96.0 + 60.0° / 144.0 + 96.0° 88 % 0.6 cd/lm 1 White	
OSRAN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	PL-LIN-Z5 1100 280x20 97.0 + 58.0° / 143.0 + 91.0° 84 % 0.6 cd/lm 1 White	



OSRAN	PL-LIN-Z5 2000 280x20 97.0 + 58.0° / 143.0 + 91.0°	90 * 90 73 * 73
Efficiency	84 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
	ans.	50° <u>600</u> 13° 00 13° 30
OSRAM Opto Semiconductors		90 ¹⁴ 90
LED	Duris S5 (2 chip)	
FWHM / FWTM	95.0 + 57.0° / 140.0 + 88.0°	
Efficiency	85 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		201 ⁴ 22 ³ 0 ² 25 ³ 30
OSRAM Opto Semiconductors		90 ⁺ 90
LED	Duris S5 (Single chip)	
FWHM / FWTM	96.0 + 57.0° / 143.0 + 91.0°	38- 78
Efficiency	86 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	e
Required compone	ents:	
PHILIP	DS	90 ⁺
LED	Fortimo LED Strip 1ft 1100Im FC HV4 & LV4	
FWHM / FWTM	95.0 + 59.0° / 141.0 + 88.0°	
Efficiency	85 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	er de la companya de
Required compone		
		40/ V/ 30'



PHILIP		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo LED Strip 1ft 1100lm FC HV5 & LV5 97.0 + 58.0° / 145.0 + 95.0° 86 % 0.6 cd/lm 1 White	
PHILLE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo LED Strip 1ft 650Im FC HV4 & LV4 95.0 + 59.0° / 139.0 + 89.0° 84 % 0.6 cd/Im 1 White	
PHILLE FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Fortimo LED Strip 1ft 650Im FC HV5 & LV5 96.0 + 58.0° / 143.0 + 94.0° 87 % 0.6 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LM28xB Series 95.0 + 53.0° / 136.0 + 106.0° 84 % 0.4 cd/lm 1 White	



<u> </u> 	ING	
LED	LM561B Plus	
FWHM / FWTM	96.0 + 59.0° / 143.0 + 89.0°	
Efficiency	85 %	100 - 200 - 60 ⁻
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour Required compone	White	er
Required compone	115.	
		20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰ 20 ¹⁰
<u> </u> 	JNG	
LED	LT-H282C	
FWHM / FWTM	96.0 + 55.0° / 141.0 + 87.0°	79
Efficiency	85 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	45"
Required compone	nts:	
		20* 20 ⁴ 10* 30*
<u> </u> S M S I	JNG	
LED	LT-H562C	
FWHM / FWTM	96.0 + 55.0° / 141.0 + 87.0°	79. 79.
Efficiency	85 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	·5* 606
Required compone	nts:	
		30°* 120 00 120° 30°
<u> </u> S M S I	JNG	90 [*]
LED	LT-Q282B	
FWHM / FWTM	95.0 + 54.0° / 138.0 + 86.0°	25-
Efficiency	85 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	6° 40 40 6°
Required compone	nts:	
		00



SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LT-S282H 96.0 + 54.0° / 140.0 + 86.0° 85 % 0.6 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LT-S562H 96.0 + 54.0° / 140.0 + 86.0° 85 % 0.6 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LT-V282E 96.0 + 54.0° / 140.0 + 86.0° 86 % 0.6 cd/lm 1 White	
SAMS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	LT-V562E 96.0 + 54.0° / 140.0 + 86.0° 86 % 0.6 cd/lm 1 White	



SEOUL SEOUL SEMICONDUCTOR		50* 50*
LED	SEOUL 5630D	
FWHM / FWTM	73.0° / 112.0°	
Efficiency	84 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
		60
SEOUL		30° 12 ³ 0° 23°
SEOUL SEMICONDUCTOR		50° 50°
LED	SEOUL DC 3030	
FWHM / FWTM	96.0 + 57.0° / 139.0 + 88.0°	73° / 71
Efficiency	86 %	
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	
		30°
TDIDON		12 ⁹ 0 ⁰ 12 ⁶
TRIDON		90°
LED	LLE G4 24x280mm 1250lm	
FWHM / FWTM	96.0 + 58.0° / 141.0 + 88.0°	
Efficiency	85 %	60 ⁴ 200
Peak intensity	0.6 cd/lm	
LEDs/each optic	1	
Light colour	White	47 de 1
Required compone	ents:	
		30° 500 30° 30°
TRIDON		
		90 ⁴ 90 ⁴
	LLE G4 24x280mm 2000lm ADV	73'
FWHM / FWTM	95.0 + 60.0° / 143.0 + 91.0°	
Efficiency	85 %	60* 60*
Peak intensity	0.6 cd/lm	
LEDs/each optic	1 W/bito	
Light colour	White	
Required compone	ants:	
1		34*
		15% 428, 18%

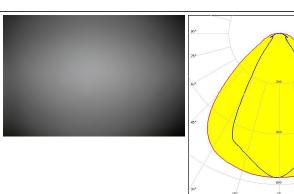


TRIDONIC

LED

FWHM / FWTM95Efficiency85Peak intensity0.1LEDs/each optic1Light colourWRequired components:

LLE G4 24x280mm 650lm 95.0 + 59.0° / 140.0 + 89.0° 85 % 0.6 cd/lm 1 White





OPTICAL RESULTS (SIMULATED):

bridgelux. LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Bridgelux SMD 2835 90.0 + 58.0° / 127.0 + 82.0° 81 % 0.6 cd/lm 1 White	50 ⁴ 57 60 ⁴ 57 60 60 60 60 60 60 60 60 60 60 60 60 60
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 3030 2D (Round LES) 89.0 + 60.0° / 125.0 + 80.0° 84 % 0.6 cd/lm 1 White	50° 50° 25° 200 - 200 00° 50° 00° 50° 00° 50° 00° 50° 00°
SEOUL SEMICONDUCTOR		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3030C 92.0 + 60.0° / 134.0 + 80.0° 85 % 0.7 cd/lm 1 White	
SECOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3528 90.0 + 65.0° / 131.0 + 87.0° 78 % 0.5 cd/lm 2 White	54 57 50 50 50 50 50 50 50 50 50 50 50 50 50



OPTICAL RESULTS (SIMULATED):

seoul semiconvoluctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3528 88.0 + 48.0° / 122.0 + 76.0° 76 % 0.6 cd/lm 2 White	30° 51° 69° 69° 69° 69° 69° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
SEOUL SEMICONDUCTOR LED FWHM / FWTM	SEOUL DC 3528 90.0 + 60.0° / 128.0 + 85.0°	90 ⁴ 75 75
Efficiency Peak intensity LEDs/each optic Light colour	77 % 0.5 cd/lm 2 White	64 64 66 66 66 66 66 66 66 66 66 66 66 6
Required components:		
SEOUL		
SEOUL SEMICONDUCTOR		90° 90°
LED	SEOUL DC 3528	13. 25. 26.
LED FWHM / FWTM	92.0 + 59.0° / 127.0 + 82.0°	97 97 75 77
LED FWHM / FWTM Efficiency	92.0 + 59.0° / 127.0 + 82.0° 77 %	97 97 75 75 76 70 70 70
LED FWHM / FWTM Efficiency Peak intensity	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm	97 97 97 75 75 75 75 75 75 76 76 76 76 76 76 76 76 76 76 76 76 76
LED FWHM / FWTM Efficiency	92.0 + 59.0° / 127.0 + 82.0° 77 %	9° 9° 75 7° 60° 200 60° 50° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1	5 ¹ 5 ¹ 6 ¹ 5 ¹ 5 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6 ¹ 6
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1 White SEOUL DC 3528	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seoul semiconouctor LED FWHM / FWTM	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1 White SEOUL DC 3528 92.0 + 59.0° / 128.0 + 82.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1 White SEOUL DC 3528 92.0 + 59.0° / 128.0 + 82.0° 77 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1 White SEOUL DC 3528 92.0 + 59.0° / 128.0 + 82.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: seous semiconductor LED FWHM / FWTM Efficiency	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1 White SEOUL DC 3528 92.0 + 59.0° / 128.0 + 82.0° 77 % 0.6 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: stoou semiconouctor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	92.0 + 59.0° / 127.0 + 82.0° 77 % 0.6 cd/lm 1 White SEOUL DC 3528 92.0 + 59.0° / 128.0 + 82.0° 77 % 0.6 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

SEQUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3528 92.0 + 59.0° / 128.0 + 82.0° 78 % 0.6 cd/lm 1 White	5)* 5) 6(4 50 6(4 50 6(4 50 6(4 50 6(4 50 6(4 50 6(4 50 6(4 6) 6(4 50 6(4 6) 6(4 6) 6(4 6) 6(4 6) 6(4 6) 6(4 6) 6(4 6) 6(4 6) 6(4 6) 6(4) 6(4
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3528 90.0 + 60.0° / 128.0 + 85.0° 77 % 0.5 cd/lm 2 White	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	SEOUL DC 3528 91.0 + 48.0° / 122.0 + 77.0° 76 % 0.6 cd/lm 1 White	



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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