

# PRODUCT DATASHEET F16860\_LINDA-UP

# LINDA-UP

~145° + 100° extra wide beam for uplighting

### **TECHNICAL SPECIFICATIONS:**

Dimensions

25.7 x 1140.0 mm 7.8 mm

Height

Fastening

ROHS compliant

ves 🛈

#### **MATERIAL SPECIFICATIONS:**

Component LINDA-UP **Type** Linear lens



**Material** PMMA Colour

Finish

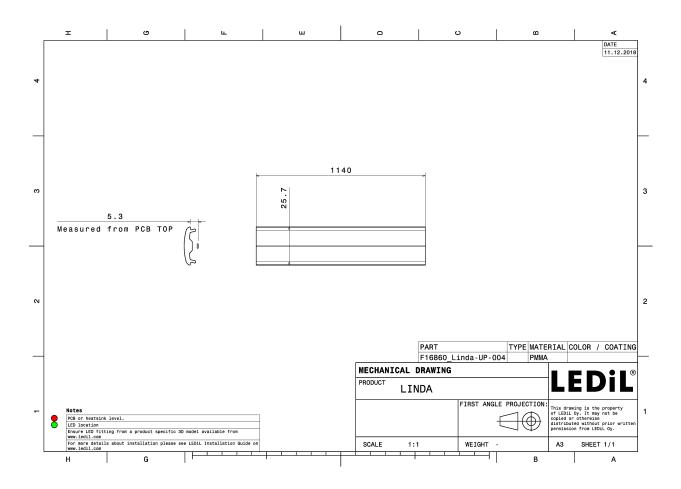
### **ORDERING INFORMATION:**

Component F16860\_LINDA-UP » Box size: 1180 x 145 x 125 mm

Qty in box	MOQ	MPQ	Box weight (kg)
100	100	100	12.1









CREE LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	XP-G3Asymmetric84 %0.2 cd/lm1White	50° 75° 60° 60° 60° 60° 60° 60° 60° 60° 60° 60
<b>NICHIA</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour Required compon	NF2W757G-MT (Tunable White) Asymmetric 87 % 0.3 cd/lm 1 Tunable White	5° 30 6°
	NFSW757H	400 50° 55° 0° 55° 30°
FWHM Efficiency Peak intensity LEDs/each optic	Asymmetric 88 % 0.3 cd/lm	73° 500 60
Required compon		300 100 100 100 100 100 100 100
OSRAM LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	PL-LIN-Z5 1100 280x20 Asymmetric 82 % 0.3 cd/lm 1 White	5° 50 50
Required compon	ents:	30 <sup>1</sup> , 12 <sup>1</sup> , 5 <sup>1</sup> , 20 <sup></sup>



			r
<b>OSRAM</b>		90°	90*
LED	PL-LIN-Z5 2000 280x20		
FWHM	Asymmetric	75*	75*
Efficiency	80 %		
Peak intensity	0.3 cd/lm	606	604
LEDs/each optic		200	
Light colour	White	43°	
Required compon	ents:	300	
		400	
		50 15 <sup>6</sup> 00 <sup>6</sup>	15* 30
OSRAM Opto Semiconductors		90*	90*
LED	Duris E 2835		
FWHM	Asymmetric	250	75:
Efficiency	88 %		
Peak intensity	0.3 cd/lm	ápr 🤇	504
LEDs/each optic	1		$\mathbf{x}$
Light colour	White	45*	454
Required compon	ents:		
		$\times$	
		400	
		15 00	15* 30
OSRAM Opto Semiconductors		90°	90°
LED	Duris E 2835		
FWHM	Asymmetric	25*	75*
Efficiency	82 %	100	
	0.3 cd/lm	604	604
Peak intensity LEDs/each optic	0.3 cd/lm	615 200	60*
Peak intensity LEDs/each optic	0.3 cd/lm	. 6 <sup>3</sup> 260	60*
Peak intensity LEDs/each optic	0.3 cd/lm 1 White	67 30	6*
Peak intensity LEDs/each optic Light colour	0.3 cd/lm 1 White	e* .e* 	6*
Peak intensity LEDs/each optic Light colour	0.3 cd/lm 1 White	.e	6*
Peak intensity LEDs/each optic Light colour	0.3 cd/lm 1 White	er 6' 9'	67
Peak intensity LEDs/each optic Light colour Required compon	0.3 cd/lm 1 White	.er .er .yo .yo .yo .yo .yo .yo .yo .yo .yo .yo	60°
Peak intensity LEDs/each optic Light colour	0.3 cd/lm 1 White	e* 50 50 50 50 50 50 50 50 50 50	60°
Peak intensity LEDs/each optic Light colour Required compon	0.3 cd/lm 1 White ents:	e* 5* 50* 50* 50* 50* 50* 50* 50*	60°
Peak intensity LEDs/each optic Light colour Required compon	0.3 cd/lm 1 White	6°	13° 30°
Peak intensity LEDs/each optic Light colour Required compon	0.3 cd/lm 1 White ents: Duris E 2835	6°* 10° 10° 10° 10° 10° 10° 10° 10°	13° 3°
Peak intensity LEDs/each optic Light colour Required compon	0.3 cd/lm 1 White ents: Duris E 2835 Asymmetric	6°	10°
Peak intensity LEDs/each optic Light colour Required compon	0.3 cd/lm 1 White ents: Duris E 2835 Asymmetric 80 % 0.3 cd/lm	6°	13°
Peak intensity LEDs/each optic Light colour Required compon Opto Semiconductors LED FWHM Efficiency Peak intensity	0.3 cd/lm 1 White ents: Duris E 2835 Asymmetric 80 % 0.3 cd/lm	.e <sup>+</sup> xe <sup>-</sup>	13°
Peak intensity LEDs/each optic Light colour Required compon Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic	0.3 cd/lm 1 White ents: Duris E 2835 Asymmetric 80 % 0.3 cd/lm 1 White	er 50' 50' 50' 50' 50' 50' 50' 50' 50' 50'	
Peak intensity LEDs/each optic Light colour Required compon OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	0.3 cd/lm 1 White ents: Duris E 2835 Asymmetric 80 % 0.3 cd/lm 1 White	er 50' 50' 50' 50' 50' 50' 50' 50' 50' 50'	5°
Peak intensity LEDs/each optic Light colour Required compon OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	0.3 cd/lm 1 White ents: Duris E 2835 Asymmetric 80 % 0.3 cd/lm 1 White	er 50' 50' 50' 50' 50' 50' 50' 50' 50' 50'	13° 33°
Peak intensity LEDs/each optic Light colour Required compon OSRAM Opto Semiconductors LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	0.3 cd/lm 1 White ents: Duris E 2835 Asymmetric 80 % 0.3 cd/lm 1 White	er 50' 50' 50' 50' 50' 50' 50' 50' 50' 50'	12° 30°



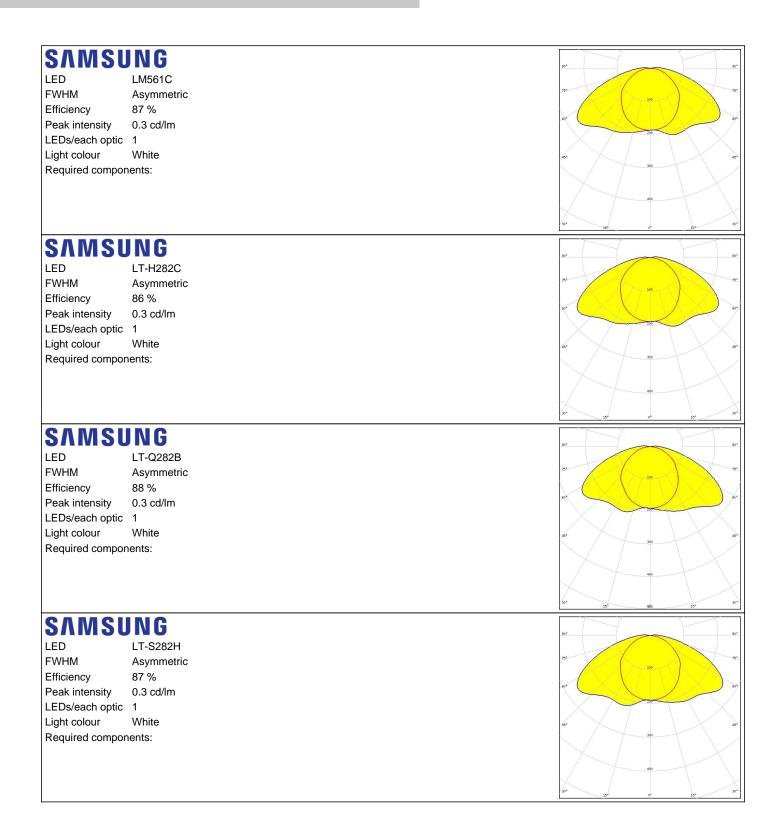
PHILIP	S	90*
LED	Fortimo LED Strip 1ft 1100lm FC HV4 & LV4	
FWHM	Asymmetric	751
Efficiency	82 %	
Peak intensity	0.3 cd/lm	en e
LEDs/each optic	1	200
Light colour	White	-6°
Required compor	ents:	30
		X   X
		400
		30° 13° 0° 13°
PHILIP	S	
LED	Fortimo LED Strip 1ft 650Im FC HV4 & LV4	90' 5
FWHM	Asymmetric	750
Efficiency	83 %	
Peak intensity	0.3 cd/lm	616 0 0
LEDs/each optic		200
Light colour	White	
Required compor		300
		30° 15 <sup>5</sup> 0° 15° 3
SAMSU	NG	90° 9
LED	LM28xB Series	
FWHM	Asymmetric	780
Efficiency	88 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	12°
Required compor	ents:	
		400
		30*
сллен	NC	
SVWSN		90*
LED	LM301B	
FWHM	Asymmetric	
Efficiency	87 %	
Peak intensity	0.3 cd/lm	200
		X/7TVX
LEDs/each optic	White	45*
Light colour		
	ents:	
Light colour	ents:	**
Light colour	ents:	

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### PHOTOMETRIC DATA (MEASURED):



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SEOUL		
SEOUL SEMICONDUCTOR		
LED	SEOUL DC 3528	30- 30-
FWHM	Asymmetric	75°
		100
Efficiency	88 %	eq. ( ) eq.
Peak intensity	0.3 cd/lm	
LEDs/each optic		$\times$ $/$ $7$ $\wedge$ $\times$
Light colour	White	-6°
Required compon	ents:	
		$\times$ / $\times$
		400
		$\times$ /   $\setminus$ $\times$
		30* <u>15*</u> 0° <u>15</u> * 30*
TRIDON		
		90* 90*
LED	LLE 24x280mm 1250lm HV ADV5	71
FWHM	Asymmetric	100
Efficiency	83 %	
Peak intensity	0.3 cd/lm	
LEDs/each optic	1	
Light colour	White	6° 67
Required compon	ents:	
		$\times$ / $\times$
		400
		30° 15° 30°
TRIDON		
		90* 90*
LED	LLE 24x280mm 650lm HV ADV5	
		76
FWHM	Asymmetric	75*
Efficiency	83 %	78° (200 ) 78°
Efficiency Peak intensity	83 % 0.3 cd/lm	20 20 00 00 00 00 00 00 00 00 00 00 00 0
Efficiency Peak intensity LEDs/each optic	83 % 0.3 cd/lm	20 <u>50</u> 60'
Efficiency Peak intensity	83 % 0.3 cd/lm	20 500 500 60 60%
Efficiency Peak intensity LEDs/each optic	83 % 0.3 cd/lm 1 White	-0° -0° -0° -00 -00 -00 -00 -00 -00 -00
Efficiency Peak intensity LEDs/each optic Light colour	83 % 0.3 cd/lm 1 White	20 50 50 50 50 67 67 67
Efficiency Peak intensity LEDs/each optic Light colour	83 % 0.3 cd/lm 1 White	6°
Efficiency Peak intensity LEDs/each optic Light colour	83 % 0.3 cd/lm 1 White	20 50 50 6° 6° 60 60 60 60 60 60 60 60 60 60 60 60 60
Efficiency Peak intensity LEDs/each optic Light colour	83 % 0.3 cd/lm 1 White	24. 72, 64. 72, 24, 64. 660 64. 900 790 790 790 790 90 90 90 90 90 90 90 90 90 90 90 90 9
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/lm 1 White ents:	200 200 200 200 200 200 200 200
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/lm 1 White ents: IC	90, 200 90,   90, 200 90,   90, 200 90,   90, 90, 90,   90, 90, 90,   90, 90, 90,   90, 90, 90,   91, 90, 90,   92, 90, 90,   93, 94, 94,   94, 94, 94,   95, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,   96, 94, 94,
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/lm 1 White ents: ILE FLEX CC 14mm 1250lm ADV1	
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/lm 1 White ents: ILE FLEX CC 14mm 1250lm ADV1 Asymmetric	
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/m 1 White ents: ILE FLEX CC 14mm 1250lm ADV1 Asymmetric 86 %	20 20 20 20 20 20 20 20 20 20
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/m 1 White ents: LLE FLEX CC 14mm 1250lm ADV1 Asymmetric 86 % 0.3 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/m 1 White ents: LLE FLEX CC 14mm 1250lm ADV1 Asymmetric 86 % 0.3 cd/lm	94 70 94   36 70 96   70 70 96   96 96 96   96 96 96   96 96 96   96 96 96   96 96 96   96 96 96   96 96 96   96 96 96   96 96 96   96 96 96   96 96 96
Efficiency Peak intensity LEDs/each optic Light colour Required compon	83 % 0.3 cd/m 1 White ents: LLE FLEX CC 14mm 1250lm ADV1 Asymmetric 86 % 0.3 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required compon <b>TRIDON</b> LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	83 % 0.3 cd/m 1 White ents:	6. 90 90 90 90 90 90 90 90 90 90
Efficiency Peak intensity LEDs/each optic Light colour Required compon TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic	83 % 0.3 cd/m 1 White ents:	6, 90 90 90 90 90 90 90 90 90 90
Efficiency Peak intensity LEDs/each optic Light colour Required compon TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	83 % 0.3 cd/m 1 White ents:	
Efficiency Peak intensity LEDs/each optic Light colour Required compon TRIDON LED FWHM Efficiency Peak intensity LEDs/each optic Light colour	83 % 0.3 cd/m 1 White ents:	



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# PHOTOMETRIC DATA (SIMULATED):

ns.	
LUXEON CSP HL1 93.0 + 135.0° 88 % 0.4 cd/lm 5 White	
NFSWE11A Asymmetric 82 % 0.3 cd/lm 1 White tts:	
	12 <sup>3</sup> , <u>6</u> , 13 <sup>3</sup> .
OSLON Square CSSRM2/CSSRM3 Asymmetric 87 % 0.3 cd/lm 1 White	
NG LM301B Asymmetric 87 % 0.3 cd/lm	
ר ר	93.0 + 135.0° 88 % 0.4 cd/lm 5 White tts: NFSWE11A Asymmetric 82 % 0.3 cd/lm 1 White tts: OSLON Square CSSRM2/CSSRM3 Asymmetric 87 % 0.3 cd/lm 1 White tts: NG LM301B Asymmetric 87 %



#### **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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