

# PRODUCT DATASHEET C15245\_STRADELLA-HB-S

## STRADELLA-HB-S

~25° spot beam for industrial applications

### **TECHNICAL SPECIFICATIONS:**

Dimensions	13.9 x 13.9 mm
Height	7.5 mm
Fastening	pin
ROHS compliant	yes 🛈



### **MATERIAL SPECIFICATIONS:**

Component STRADELLA-HB-S **Type** Single lens

Material	Colour	Finish
PMMA	clear	

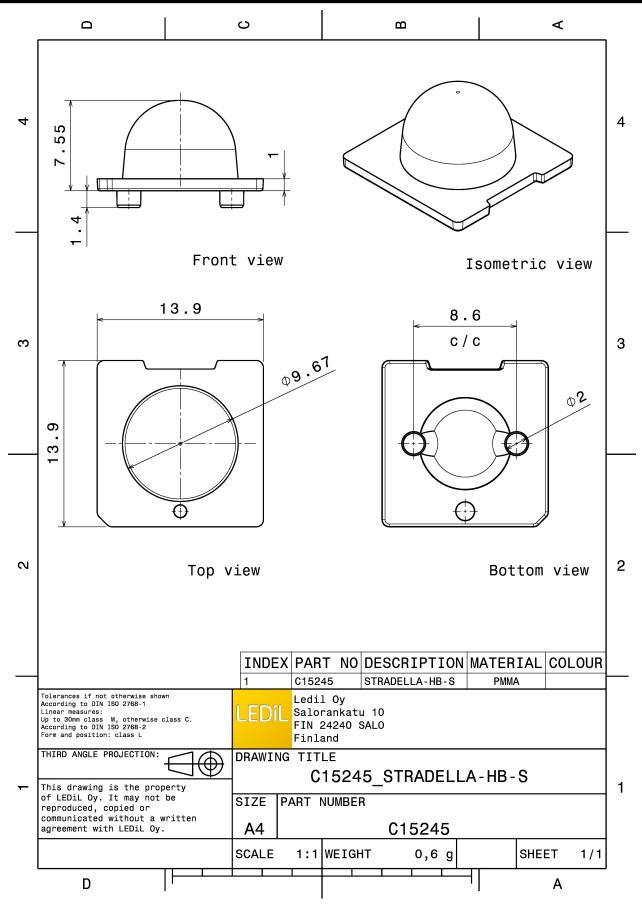
### **ORDERING INFORMATION:**

Component C15245\_STRADELLA-HB-S » Box size: 480 x 250 x 390 mm

Qty in box	MOQ	MPQ	Box weight (kg)
16000	1000	1000	9.0



## PRODUCT DATASHEET C15245\_STRADELLA-HB-S



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



### PHOTOMETRIC DATA (MEASURED):

		30* 30*
LED	J Series 3030	
FWHM / FWTM	29.0° / 75.0°	75° (60)
Efficiency	96 %	
Peak intensity	1.8 cd/lm	994
LEDs/each optic	1	
Light colour	White	
Required component		
		160
		35° 300 35°
		90 <sup>4</sup> 90 <sup>2</sup>
LED	XT-E	75
FWHM / FWTM	27.0° / 81.0°	
Efficiency	92 %	
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	
Light colour	White	9° (
Required compone	nts:	
		20 <sup>4</sup> 200 37 36
		30 <sup>4</sup>
LED	NVSW219D	23°
LED FWHM / FWTM	NVSW219D 32.0° / 78.0°	25 26 29 20 29 29 29 29 29 29 29 29 29 29 29 29 29
LED FWHM / FWTM Efficiency	NVSW219D 32.0° / 78.0° 94 %	8/2
LED FWHM / FWTM Efficiency Peak intensity	NVSW219D 32.0° / 78.0°	90 <sup>4</sup> 90 90 90 90
LED FWHM / FWTM Efficiency	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/m	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/m 1 White	800 607 202 202
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/m 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/m 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White hts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component MICHIM	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts: NVSW319B 37.0° / 91.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component LED FWHM / FWTM Efficiency	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White hts: NVSW319B 37.0° / 91.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts: NVSW319B 37.0° / 91.0° 94 % 1.3 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts: NVSW319B 37.0° / 91.0° 94 % 1.3 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts: NVSW319B 37.0° / 91.0° 94 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component Required component Efficiency Peak intensity LEDs/each optic	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts: NVSW319B 37.0° / 91.0° 94 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts: NVSW319B 37.0° / 91.0° 94 % 1.3 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component MICHIO LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	NVSW219D 32.0° / 78.0° 94 % 1.7 cd/lm 1 White nts: NVSW319B 37.0° / 91.0° 94 % 1.3 cd/lm 1 White	



### PHOTOMETRIC DATA (MEASURED):

SAMS	UNG		90 <sup>4</sup>	90*
LED	LH181B		75*	75*
FWHM / FWTM	23.0° / 65.0°			
Efficiency	94 %		60 <sup>8</sup>	60*
Peak intensity	2.2 cd/lm			$( \setminus )$
LEDs/each optic	1			$\land \land \checkmark$
Light colour	White		95*	65*
Required compone	ents:		1630	H
			30°	36.
			15* 2430	15*



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 37.0° / 88.0° 93 % 1.4 cd/lm 1 White	99 <sup>4</sup> 97 97 96 <sup>4</sup> 97 99 <sup>4</sup> 99 <sup></sup>
ED FWHM / FWTM Efficiency LEDs/each optic Light colour Required components:	LUXEON IR Domed 150 23.0° / 83.0° 92 % 1 White	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NF2W585AR-P8 25.0 + 34.0° / 76.0 + 86.0° 94 % 1.7 cd/lm 1 White	50* 50*   7* 60   60* 60*   60* 60*   50* 60*   50* 60*   50* 60*   50* 60*   500 50*
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NVSW219F 36.0° / 88.0° 93 % 1.5 cd/lm 1 White	



<b>Μ</b> ΝΙCΗΙΛ		
LED	NVSW519A	
FWHM / FWTM	43.0° / 94.0°	
Efficiency	91 %	
Peak intensity	1.2 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
<b>Ø</b> ΝΙCΗΙΛ		
		90 <sup>+</sup> 90 <sup>+</sup>
LED	NVSxx19B/NVSxx19C	75.
FWHM / FWTM	31.0° / 86.0°	400
Efficiency	93 %	69
Peak intensity	1.6 cd/lm	
LEDs/each optic	1	45° 680
Light colour	White	
Required components:		1200
		30° 15% 30° 30°
OSRAM Opto Semiconductors		90° 90°
LED	OSCONIQ C 2424	$A \wedge A$
FWHM / FWTM	24.0° / 70.0°	73.
Efficiency	94 %	
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	
Light colour	White	gr
Required components:		1600
		30. 30.
OSRAM		15° 3880 15°
Opto Semiconductors		90° 90°
		90* 90*
LED	OSCONIQ P 3030	32 24 24
FWHM / FWTM	20.0° / 55.0°	
FWHM / FWTM Efficiency	20.0° / 55.0° 95 %	77
FWHM / FWTM Efficiency Peak intensity	20.0° / 55.0° 95 % 3.2 cd/lm	77° 000
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	20.0° / 55.0° 95 % 3.2 cd/lm 1	77 60 <sup>6</sup> 60 <sup>7</sup>
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 55.0° 95 % 3.2 cd/lm	g. 90 700 700 700 700 700 70 70 70 70 70 70
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	20.0° / 55.0° 95 % 3.2 cd/lm 1	gr
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 55.0° 95 % 3.2 cd/lm 1	2. 
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	20.0° / 55.0° 95 % 3.2 cd/lm 1	2. 



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OSRAM Opto Semiconductors		90* 90*
Opto Semiconductors	OSCONIQ P 3737 (2W version)	
FWHM / FWTM	27.0° / 74.0°	73*
Efficiency	94 %	
Peak intensity	2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	' White	45 <sup>-</sup>
Required components:	White	
Required components.		100
		30° 30° 30°
OSRAM Opto Semiconductors		90° 90'
LED	OSLON SSL 80	
FWHM / FWTM	22.0° / 50.0°	73.
Efficiency	94 %	
Peak intensity	3.3 cd/lm	
LEDs/each optic	1	100
Light colour	White	gye
Required components:		200
		220
		15° 0° 15°
SAMSUN	IG	
SAMSUN		90 <sup>4</sup> 90 <sup>4</sup> 90 <sup>4</sup>
LED	LH351B	
LED FWHM / FWTM	LH351B 32.0° / 81.0°	90 <sup>4</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency	LH351B 32.0° / 81.0° 90 %	50 <sup>4</sup> 50 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm	90 <sup>4</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1	90 <sup>4</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White	27 29 40 40 40 40 40 40 40 40 40 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White	27 29 40 40 40 40 40 40 40 40 40 40
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White LM28xB Series 28.0° / 77.0° 94 %	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White LM28xB Series 28.0° / 77.0° 94 % 1.9 cd/lm	200 200 200 200 200 200 200 200
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White LM28xB Series 28.0° / 77.0° 94 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White LM28xB Series 28.0° / 77.0° 94 % 1.9 cd/lm	20 20 20 20 20 20 20 20 20 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White LM28xB Series 28.0° / 77.0° 94 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White LM28xB Series 28.0° / 77.0° 94 % 1.9 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: <b>SAMSUN</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LH351B 32.0° / 81.0° 90 % 1.7 cd/lm 1 White LM28xB Series 28.0° / 77.0° 94 % 1.9 cd/lm 1	



SEOUL SEOUL SEMICONDUCTOR		90° 90°
LED	Z5M1/Z5M2	
FWHM / FWTM	27.0° / 73.0°	a 400
Efficiency	94 %	601 601
Peak intensity	2 cd/lm	
LEDs/each optic	1	
Light colour	White	95 45*
Required components:		
		1600
		36° - 36° - 36°
		50° 50°
	Z8Y22T	
SEOUL SEMICONDUCTOR	Z8Y22T 30.0° / 80.0°	25 25 25 25 25 25 25 25 25 25 25 25 25 2
seoul semiconductor LED		73
seoul semiconductor LED FWHM / FWTM	30.0° / 80.0°	64 65 75 75 75 75 75 75 75 75 75 75 75 75 75
seoul semiconductor LED FWHM / FWTM Efficiency	30.0° / 80.0° 93 %	73
seoul semconductor LED FWHM / FWTM Efficiency Peak intensity	30.0° / 80.0° 93 % 1.7 cd/lm	64 65 75 75 75 75 75 75 75 75 75 75 75 75 75
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	30.0° / 80.0° 93 % 1.7 cd/lm 1	173 664 660
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	30.0° / 80.0° 93 % 1.7 cd/lm 1	g. 61. 23. 20. 24. 25. 25. 25. 25. 25. 25.
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	30.0° / 80.0° 93 % 1.7 cd/lm 1	g. 61. 23. 20. 24. 25. 25. 25. 25. 25. 25.
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	30.0° / 80.0° 93 % 1.7 cd/lm 1	g. 61. 23. 20. 24. 25. 25. 25. 25. 25. 25.



## PRODUCT DATASHEET C15245\_STRADELLA-HB-S

#### **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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#### Distribution Partners www.ledil.com/ where\_to\_buy