

PRODUCT DATASHEET FP15073\_ZORYA-SC-B

# **ZORYA-SC-B**

~340° Assem	omnidirectional bly with ZORYA ada		beam.
TECHN	ICAL SPECIFICATIO	ONS:	
Dimens	ions	Ø	56.0 mm
Height		:	27.3 mm
Fasteni	ng		socket
ROHS	compliant		yes 🛈



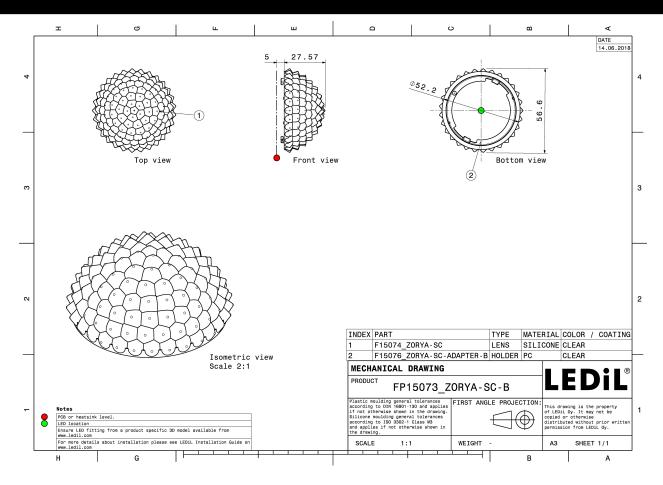
### MATERIAL SPECIFICATIONS:

Component	Туре	Material	Colour	Finish
ZORYA-SC	Single lens	Silicone	clear	
ZORYA-SC-ADAPTER-B	Holder	PC	clear	

### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP15073_ZORYA-SC-B	Single lens	140	35	35	3.1
» Box size: 398 x 298 x 140 mm					

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



### **PHOTOMETRIC DATA (MEASURED):**

bridgelux.				XV	$\sqrt{X}$
LED	V8 Gen6				
FWHM / FWTM	234.0° / 310.0°		د	90* <b>V</b>	90*
Efficiency	94 %				
Peak intensity	0.1 cd/lm		,	734	
LEDs/each optic	1				
Light colour	White		ſ	$\sim$	
Required compone					
F15253_HEKLA				45*	65*
				150	+
				15° 0°	15*
CITIZE	<b>N</b>		-		
LED	CLL03x/CLU03x				
FWHM / FWTM	171.0° / 317.0°		.5	90°	90*
Efficiency	94 %		,	75+	75:
Peak intensity	0.1 cd/lm			50	
LEDs/each optic	1		, é	808	607
Light colour	White				
Required compone	ents:			$\times$ $\smallsetminus$ $\frown$	
F15859_HEKLA	-SOCKET-I			a. X X	65+
				150	$-\top$
			L	15° 0°	15*
CITIZE	N				4/X
LED	CLU700/701/702				
LED FWHM / FWTM			3	90°	90°
	CLU700/701/702		5		
FWHM / FWTM	CLU700/701/702 230.0° / 313.0°		و	25 0 20	
FWHM / FWTM Efficiency	CLU700/701/702 230.0° / 313.0° 94 %		۔ د ب	20	90 10 10 10
FWHM / FWTM Efficiency Peak intensity	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm		۔ د ب	90° 793 60°	97
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White		۔ و بر	90° 1914 50 1914 50	97
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents:		۔ و بر بر	97 794 67 0	9- 92- 97- 97-
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents:		۔ د ب	90° 78° 60° 100	9- - - - - - - - - - - - - - - - - - -
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents:		- - - - - - - - - - - - - - - - - - -	90 <sup>-</sup> 73 60 <sup>+</sup> 57 50 50 50 50 50	99- 99-
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: x-SOCKET-C				
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: SOCKET-C				5°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: SOCKET-C				9°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C .EDS LUXEON CoB 1211 160.0° / 300.0°				9°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C <b>EDS</b> LUXEON CoB 1211 160.0° / 300.0° 94 %				9° 9° 9° 9° 9°
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: A-SOCKET-C <b>EDS</b> LUXEON CoB 1211 160.0° / 300.0° 94 % 0.2 cd/lm				
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C EDS LUXEON CoB 1211 160.0° / 300.0° 94 % 0.2 cd/lm 1				
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C LUXEON CoB 1211 160.0° / 300.0° 94 % 0.2 cd/lm 1 White				
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C .EDS LUXEON CoB 1211 160.0° / 300.0° 94 % 0.2 cd/lm 1 White ents:				
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C .EDS LUXEON CoB 1211 160.0° / 300.0° 94 % 0.2 cd/lm 1 White ents:				
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C .EDS LUXEON CoB 1211 160.0° / 300.0° 94 % 0.2 cd/lm 1 White ents:				
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone F15255_HEKLA	CLU700/701/702 230.0° / 313.0° 94 % 0.1 cd/lm 1 White ents: -SOCKET-C .EDS LUXEON CoB 1211 160.0° / 300.0° 94 % 0.2 cd/lm 1 White ents:				



# PHOTOMETRIC DATA (MEASURED):

SAMS	JNG	
LED	LC020C G2	50° 50° 50° 50° 50° 50° 50° 50° 50° 50°
FWHM / FWTM	214.0° / 237.0°	
Efficiency	81 %	
Peak intensity	0.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	ents:	6° 6'
F15859_HEKLA	-SOCKET-I	
		15° 00 15°



bridgelux. LED	BXRA ES Rectangle	
FWHM / FWTM	256.0° / 326.0°	90*
Efficiency	%	
Peak intensity	0.1 cd/lm	
LEDs/each optic	1	er de la companya de
Light colour	White	
Required components: BJB: 47.319.2040		50 67
		23 0, 23
CITIZEN		
LED	CLL03x/CLU03x	
FWHM / FWTM	253.0° / 344.0°	90° V 90°
Efficiency	97 %	
Peak intensity	0.1 cd/lm	25° ( 50
LEDs/each optic	1	
Light colour	White	
Required components:		
BJB: 47.319.2021		6. 6.
		150
		15° 0 <sup>h</sup> 15°
CITIZEN		XXXX
LED	CLL04x/CLU04x	
FWHM / FWTM	165.0° / 341.0°	90° y 90°
Efficiency	97 %	
Peak intensity	0.2 cd/lm	25*
LEDs/each optic	1	
Light colour	White	
Required components:		
BJB: 47.319.2030		5° 61
		120
		$\times$ / $\setminus$ $\times$
OTTIZEN		15° 0° 15°
CITIZEN		
LED	CLU710/711	
LED FWHM / FWTM	268.0° / 25.0°	
LED FWHM / FWTM Efficiency	268.0° / 25.0° 98 %	
LED FWHM / FWTM Efficiency Peak intensity	268.0° / 25.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	268.0° / 25.0° 98 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	268.0° / 25.0° 98 % 0.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	268.0° / 25.0° 98 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	268.0° / 25.0° 98 % 0.1 cd/lm 1	5- 
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	268.0° / 25.0° 98 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	268.0° / 25.0° 98 % 0.1 cd/lm 1	



CITIZEN		
LED	CLU720/721	
FWHM / FWTM	265.0° / 28.0°	
Efficiency	%	90°
	% 0.1 cd/lm	75
Peak intensity		
LEDs/each optic	1	50 <sup>4</sup> 60 <sup>4</sup>
Light colour	White	
Required components:		$X / T \land X$
BJB: 47.319.2021		- 6°*
		150
		15° 0° 15°
OTTIZEN		
CITIZEN		
LED	CLU730/731	
FWHM / FWTM	264.0° / 344.0°	90° 90°
Efficiency	%	
Peak intensity	0.1 cd/lm	24 ( See ) 75.
LEDs/each optic	1	
Light colour	White	
Required components:		
BJB: 47.319.2030		6°
		150
		15° 0° 15°
CREE ≑		XVIIIX
LED	CMT19xx	
FWHM / FWTM	273.0° / 352.0°	
Efficiency	97 %	
Peak intensity	0.1 cd/lm	75*
LEDs/each optic	1	
Light colour	White	614 604
Required components:		
Bender Wirth: 477 Ty	p L7	
· · ·		
		150
		15° 0° 15°
CREE ≑		
	CXA/B 1816 & CXA/B 1820 & CXA 1850	
FWHM / FWTM	266.0° / 338.0°	· · · · · · · · · · · · · · · · · · ·
Efficiency	95 %	70 70
Peak intensity	0.1 cd/lm	
LEDs/each optic	1 Million	60* 60*
Light colour	White	
Required components:		$\left  \right\rangle / \left  \right\rangle $
BJB: 47.319.2131		1-67. 49°
		15° / 0° / 18°
		10° 0° 15



	CXA/B 25xx	
FWHM / FWTM	240.0° / 343.0°	
Efficiency	97 %	
Peak intensity	0.1 cd/lm	75*
LEDs/each optic	1	
Light colour	White	60°
Required components:	White	100
BJB: 47.319.2040		
2021 1101012010		
		150
		15° 0° 15°
CREE ≑		
LED	CXA/B 30xx	
FWHM / FWTM	242.0° / 343.0°	90*
Efficiency	97 %	75* 75°
Peak intensity	0.1 cd/lm	
LEDs/each optic	1	60° 60°.
Light colour	White	
Required components:		
BJB: 47.319.2151		.45*
		1
		13° 0° 13°
		XXXXX
LED	LUXEON CoB 1204/1205	
		97 D
LED	LUXEON CoB 1204/1205	97 - 197
LED FWHM / FWTM	LUXEON CoB 1204/1205 263.0° / 340.0°	
LED FWHM / FWTM Efficiency	LUXEON CoB 1204/1205 263.0° / 340.0° 97 %	80° 70° 70 70 70 70°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm	60° 73° 60° 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1	90 75 51 51 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1	5 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White S LUXEON CoB 1208 253.0° / 329.0° 94 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White S LUXEON CoB 1208 253.0° / 329.0° 94 % 0.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White S LUXEON CoB 1208 253.0° / 329.0° 94 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White S LUXEON CoB 1208 253.0° / 329.0° 94 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White S LUXEON CoB 1208 253.0° / 329.0° 94 % 0.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: BJB: 47.319.2011	LUXEON CoB 1204/1205 263.0° / 340.0° 97 % 0.1 cd/lm 1 White S LUXEON CoB 1208 253.0° / 329.0° 94 % 0.1 cd/lm 1	



	DS	
LED	LUXEON CoB 1216/1812	
FWHM / FWTM	157.0° / 303.0°	
Efficiency	93 %	750
Peak intensity	0.2 cd/lm	
LEDs/each optic	1	60 <sup>4</sup>
Light colour	White	
Required components:		100
A.A.G. STUCCHI: 81	02/G2	.65*
		250
OSRAM		15° 0 <sup>b</sup> 15°
Opto Semiconductors		
LED	Soleriq S19	
FWHM / FWTM	246.0° / 341.0°	90° <b>)</b> 90°
Efficiency	97 %	70
Peak intensity	0.1 cd/lm	
LEDs/each optic	1	EST 6
Light colour	White	
Required components:		
BJB: 47.319.2170		45*
		150
		130 00 150
SEOUL SEOUL SEMICONDUCTOR		X
LED	ZC12/18	
FWHM / FWTM	265.0° / 138.0°	90* V 91
Efficiency	97 %	
Peak intensity	0.1 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
BJB: 47.319.2021		45°
		150
		150
		100 100 100
SEOD		12 <sup>2</sup> 0 <sup>4</sup> 12 <sup>2</sup>
SEOUL SEMICONDUCTOR	7025/40/60	
SEOUL SEMICONDUCTOR	ZC25/40/60	90°
seoul semiconductor LED FWHM / FWTM	166.0° / 342.0°	90 10 10 10 10 10 10
seoul semiconductor LED FWHM / FWTM Efficiency	166.0° / 342.0° 97 %	20 20 20 20 20 20 20 20 20 20
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	166.0° / 342.0° 97 % 0.2 cd/lm	20 20 20 20 20 20 20 20 20 20
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	166.0° / 342.0° 97 % 0.2 cd/lm 1	20 00 20 20 00 00 20 00 000 20 00000000
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	166.0° / 342.0° 97 % 0.2 cd/lm	50 50 50 50 50 50 50 50 50 50
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	166.0° / 342.0° 97 % 0.2 cd/lm 1	
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	166.0° / 342.0° 97 % 0.2 cd/lm 1	50 50 50 50 50 50 50 50 50 50 50 50 50 5
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	166.0° / 342.0° 97 % 0.2 cd/lm 1	
stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	166.0° / 342.0° 97 % 0.2 cd/lm 1	



SHA	RP	
LED	Mega Zenigata (GW5DGC)	
FWHM / FWTM	257.0° / 78.0°	90* V (
Efficiency	96 %	
Peak intensity	0.1 cd/lm	25° ((
LEDs/each optic	1	
Light colour	White	
Required component	S:	510
BJB: 47.319.2011		6° 6'
		120
		15° 0° 15°
SHA	RP	
LED	Mega Zenigata (GW6DME)	
FWHM / FWTM	250.0° / 340.0°	90° (
Efficiency	96 %	
Peak intensity	0.1 cd/lm	
LEDs/each optic	1	
Light colour	White	50"
Required component	S:	500-500
		6. 6.
BJB: 47.319.2011		
BJB: 47.319.2011		
BJB: 47.319.2011		10



#### **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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

#### **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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#### **Shipping locations**

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