

PRODUCT DATASHEET CA17280_ELLA-30-S

ELLA-30-S

~15° spot beam. Assembly with black holder.

SPECIFICATION:

Dimensions	Ø 32.0 mm
Height	20 mm
Fastening	tape
ROHS compliant	yes 🕕

MATERIALS:

Component ELLA-30-S OLGA-HLD SPUTNIK-TAPE3 **Type** Reflector Holder Tape



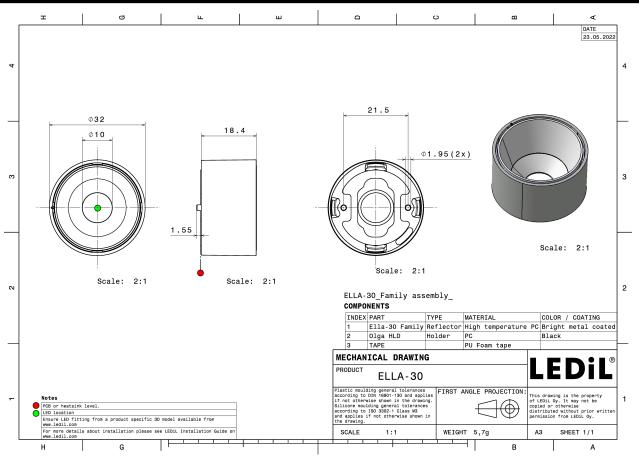
Material	Colour	Finish
HTPC	metal	
PC	black	
Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA17280_ELLA-30-S	Reflector	792	264	66	5.8
» Box size: 480 x 280 x 300 mm					



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



OPTICAL RESULTS (MEASURED):

		30* A
LED	XHP35 HD	
FWHM / FWTM	13.0° / 23.0°	73
Efficiency	88 %	44
Peak intensity	10.3 cd/lm	
LEDs/each optic	1	
Light colour	White	97* (60)
Required compone	nts:	32.0 de 12. 2
		50°
LED	XP-L2	
FWHM / FWTM	12.0° / 23.0°	
Efficiency	86 %	
Peak intensity	11.5 cd/lm	$ = X / (-) \times $
LEDs/each optic	1	
Light colour	White	42* a
Required compone	nts:	
		200 - 201 - 201 - 3
UMIL	EDS	30 ⁴
LED	LUXEON 5050 Round LES	
FWHM / FWTM	14.0° / 29.0°	
Efficiency	91 %	61 ¹
Peak intensity	8.3 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone	nts:	2000 - 2000 - 200 - 200
ØNICHI	L	90 ⁺
LED	NFMW48xA	
FWHM / FWTM	13.0 + 14.0° / 30.0°	
Efficiency	90 %	
Peak intensity	8 cd/lm	
LEDs/each optic	1	
Light colour	White	gr de



OPTICAL RESULTS (MEASURED):

OSRAM Opto Semiconductors			90 ⁴
LED	Duris S8		75
FWHM / FWTM	15.0° / 33.0°		
Efficiency	90 %		60* 60*
Peak intensity	6.9 cd/lm		
LEDs/each optic	1		
Light colour	White		45° 45°
Required compone	ents:		
			30 ⁴ 23 ⁴ 0 ⁴ 33 ⁵ 36 ⁴
SEQUL			95* 95*
SEOUL SEMICONDUCTOR			39*
SEOUL SEMICONDUCTOR	WICOP 5050		
seoul semiconductor LED FWHM / FWTM	17.0° / 32.0°		37
seoul semiconductor LED FWHM / FWTM Efficiency	17.0° / 32.0° 86 %		37
seoul seniconductor LED FWHM / FWTM Efficiency Peak intensity	17.0° / 32.0°		37
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	17.0° / 32.0° 86 % 6.2 cd/lm		27°
seoul seniconductor LED FWHM / FWTM Efficiency Peak intensity	17.0° / 32.0° 86 % 6.2 cd/lm 1 White		27° 89° 500
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 32.0° 86 % 6.2 cd/lm 1 White		27° 89° 500
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 32.0° 86 % 6.2 cd/lm 1 White		9 ⁵
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	17.0° / 32.0° 86 % 6.2 cd/lm 1 White		9 ⁵



OPTICAL RESULTS (SIMULATED):

		90* 90*
LED	XHP50.3 HD	
FWHM / FWTM	14.0° / 27.0°	75*
Efficiency	91 %	
Peak intensity	8.2 cd/lm	60 ¹ 3200 60°
LEDs/each optic	1	
Light colour	White	g*
Required components:		
		6430
		30° 15° 50°
		90* 90*
LED	XHP70.3 HD	
FWHM / FWTM	22.0° / 42.0°	
Efficiency	86 %	
Peak intensity	4.1 cd/lm	- 1600
LEDs/each optic	1	
Light colour	White	45 × 1
Required components:		
		3230
		15° 0° 15°
		80.4 20.2 20.2 0, 30.4 30
	XHP70.3 HI	
LED	XHP70.3 HI 14.0° / 30.0°	
LED FWHM / FWTM	XHP70.3 HI 14.0° / 30.0° 88 %	
LED FWHM / FWTM Efficiency	14.0° / 30.0°	90 ⁴ 73 ⁵ 1000 1000
LED FWHM / FWTM Efficiency Peak intensity	14.0° / 30.0° 88 %	
LED FWHM / FWTM Efficiency	14.0° / 30.0° 88 % 7.4 cd/lm	57 57 57 57 57 57 57 57 57 57 57 57 57 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 30.0° 88 % 7.4 cd/lm 1	90 ⁴ 73 ⁵ 1000 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 88 % 7.4 cd/lm 1	57 57 57 57 57 57 57 57 57 57 57 57 57 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 88 % 7.4 cd/lm 1	57 66 72 72 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 88 % 7.4 cd/lm 1	57 66 72 72 70 70 70 70 70 70 70 70 70 70 70 70 70
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 88 % 7.4 cd/lm 1 White	9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9° 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 88 % 7.4 cd/lm 1 White	30. 20. 20. 20. 20. 20. 20. 20. 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 88 % 7.4 cd/lm 1 White	200 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	14.0° / 30.0° 88 % 7.4 cd/lm 1 White	200 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I I LH351C 8.0° / 16.0°	200 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I LH351C 8.0° / 16.0° 90 %	200 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I I LH351C 8.0° / 16.0°	200 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SANNSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I LH351C 8.0° / 16.0° 90 % 20.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I LH351C 8.0° / 16.0° 90 % 20.5 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I LH351C 8.0° / 16.0° 90 % 20.5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I LH351C 8.0° / 16.0° 90 % 20.5 cd/lm 1	200 10° 10° 10° 10° 10° 10° 10° 10° 10° 1
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: SAMSUN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	14.0° / 30.0° 88 % 7.4 cd/lm 1 White I LH351C 8.0° / 16.0° 90 % 20.5 cd/lm 1	



OPTICAL RESULTS (SIMULATED):

SAMSU	NG	90 ⁴ 90 ⁴
LED	LH351D	75-
FWHM / FWTM	11.0° / 20.0°	
Efficiency	88 %	60° 60°
Peak intensity	13.4 cd/lm	
LEDs/each optic	1	
Light colour	White	5°
Required component	ts:	80
		137 0 ⁴ 157



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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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