

# PRODUCT DATASHEET CN15529\_GABRIELLA-45-S

## **GABRIELLA-45-S**

~9° spot beam with holder

### **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 45.0 mm
Height	28.9 mm
Fastening	pin, screw
ROHS compliant	yes 🛈



### **MATERIAL SPECIFICATIONS:**

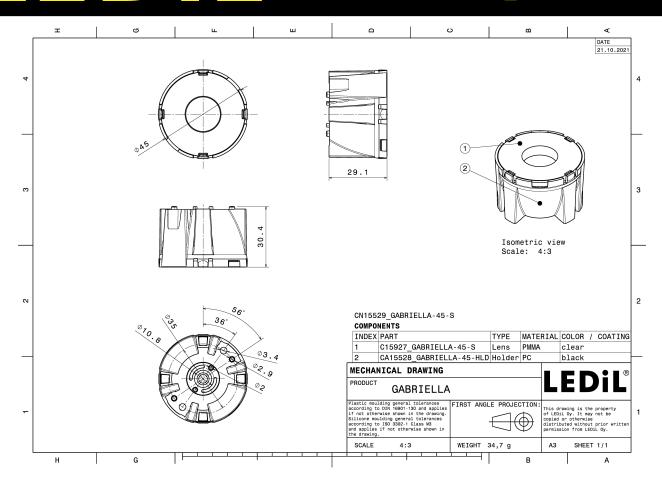
**Component** GABRIELLA-45-S GABRIELLA-45-HLD **Type** Single lens Holder

Material	Colour	Finish
PMMA	clear	
PC	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN15529_GABRIELLA-45-S	Single lens	405		45	0.0
» Box size:					

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



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

		90°
LED	XM-L RGB	
FWHM / FWTM	12.0° / 21.0°	77
Efficiency	87 %	
Peak intensity	17 cd/lm	60 <sup>40</sup> 500
LEDs/each optic	1	
Light colour	White	
Required compone		
		32000
		30
<b>A</b>		
UMIL	EDS	50°
LED	LUXEON CZ	77
FWHM / FWTM	14.0° / 25.0°	
Efficiency	88 %	607 600
Peak intensity	11.4 cd/lm	$[ \times / / ] \times \times$
LEDs/each optic	4	
Light colour	RGBW	
Required compone	nts:	
		800
		30° 25° 2° 30
	EDS	
LED	LUXEON MultiColor Module 2.5W	100
FWHM / FWTM	12.0° / 23.0°	
FWHM / FWTM Efficiency	12.0° / 23.0° 91 %	1100 +
Efficiency	91 %	1100
Efficiency Peak intensity	91 % 14.8 cd/lm	109
Efficiency Peak intensity LEDs/each optic	91 % 14.8 cd/lm 1 RGBW	1100
Efficiency Peak intensity LEDs/each optic Light colour	91 % 14.8 cd/lm 1 RGBW	
Efficiency Peak intensity LEDs/each optic Light colour	91 % 14.8 cd/lm 1 RGBW	
Efficiency Peak intensity LEDs/each optic Light colour	91 % 14.8 cd/lm 1 RGBW	
Efficiency Peak intensity LEDs/each optic Light colour Required component	91 % 14.8 cd/lm 1 RGBW nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 14.8 cd/lm 1 RGBW nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 14.8 cd/lm 1 RGBW nts:	
Efficiency Peak intensity LEDs/each optic Light colour Required componer	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0°	
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0° 90 %	
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency Peak intensity	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0° 90 % 24 cd/lm	
Efficiency Peak intensity LEDs/each optic Light colour Required component Efficiency Peak intensity LEDs/each optic	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0° 90 % 24 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component EED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0° 90 % 24 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component Efficiency Peak intensity LEDs/each optic	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0° 90 % 24 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0° 90 % 24 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour Required component Equired component LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	91 % 14.8 cd/lm 1 RGBW nts: SBM-40-RGBW 10.0° / 18.0° 90 % 24 cd/lm 1 White	



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

		1280 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxE17A 13.0° / 27.0° 91 % 11 cd/lm 4 RGBW	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 10.0° / 18.0° 91 % 22.7 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 10.0° / 19.0° 88 % 21.3 cd/lm 1 White nts:	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSTAR Stage (S2WN) 10.0° / 17.0° 87 % 24 cd/lm 1 White nts:	



### PHOTOMETRIC DATA (MEASURED):

SEOUL			24400 T	
SEOUL SEMICONDUCTOR			22000	
LED	SPF05F0A		20000	
FWHM / FWTM	10.0° / 18.0°		18000	
Efficiency	89 %		16000 -	
Peak intensity	23.4 cd/lm		14000 -	
LEDs/each optic	1		12000	
Light colour	RGBW		10000	
Required compone	nts:		8000	
			6000	
			4000	
			2000	
			-118.9* -112.8* -99.4*	-47.6" -46.6" -22.6" 6.6" 22.6" 46.9" 67.6" 91.0"
SEOUL			22000	
SEOUL SEMICONDUCTOR	0050500		20000	
LED	SPF05F0B		18000	
FWHM / FWTM	10.0° / 19.0°			
Efficiency	90 %		144000	
Peak intensity	21.3 cd/lm		12000	
LEDs/each optic	1		10000	
Light colour	RGBW		0000	
Required compone	ints:		6000	
			4000	
			2000	
			-118.9° -112.8° -99.4°	-47.6° -46.4° -22.6° 6.6° 22.6° 46.0° 67.6° 91.0°
SEOUL SEMICONDUCTOR			1000	
LED	SPF05F0C		15000 -	
FWHM / FWTM	12.0° / 22.0°		12000	
Efficiency	89 %		12000	
Peak intensity	15.9 cd/lm		1000	
LEDs/each optic	1		0000	
Light colour	RGBW		7000	
Required compone			6000	
1			400	
			5003	
			2000 -	
				-47.5" -46.6" -22.6" 6.6" 22.6" 46.7" 67.6" 91.0"



LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	CLQ6A-TKW 12.3° / 23.3° 94 % 16.6 cd/lm 1 RGBW	20° 0° 12° 0°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50 14.0° / 24.0° 92 % 13.8 cd/lm 1 White	20 20 20 20 20 20 20 20 20 20
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP50.2 13.0° / 25.0° 91 % 14.3 cd/lm 1 White	30 100 20   21 20 21   23 20 22   24 200 25   25 20 25
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP70 18.0° / 29.0° 90 % 8.9 cd/lm 1 White	200 00 200 00 200 00 00 00 00 00 00 00 00 00 0



CREE LED	XHP70.2 17.0° / 30.0° 89 % 8.1 cd/lm 1 White	20° 12° 0° 12° 10° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0° 20° 0°
LED FWHM / FWTM Efficiency	XP-E2 10.0° / 18.0° 93 %	39 <sup>4</sup> 39 <sup>4</sup> 39
Peak intensity LEDs/each optic Light colour Required components:	26.7 cd/lm 1 Amber	gr
*		20° 10° 10° 10°
LED ENGIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LZ4-04MDPB 10.0° / 18.0° 92 % 28.4 cd/lm 1 White	5° 5° 5°
Required components:		30 <sup>4</sup> 15 <sup>5</sup> 0 <sup>4</sup> 15 <sup>4</sup>
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 14.0° / 24.0° 85 % 11.5 cd/lm 4 RGBW	gr (12) gr (12
		3 <sup>44</sup> 52 <sup>5</sup> 6 <sup>4</sup> 22 <sup>5</sup> 34 <sup>5</sup>



	-	7 5
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 12.0° / 22.0° 94 % 18 cd/lm 4 RGBW	21. 21. 22. 23. 24. 2000
OSRAM Opto Semiconductors		90° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	DURIS E 5050 RGBW 13.0 + 14.0° / 24.0° 93 % 14.8 cd/lm 1 RGBW	20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1
OSRAM		
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSLON Square CSSRM2/CSSRM3 10.0° / 18.0° 93 % 27.6 cd/lm 1 White	200 200 200 200 200 200 200 200
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	OSTAR Stage (S2WP) 11.0° / 19.0° 92 % 22.8 cd/lm 1 White	20°



OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	Ostar-SMT RGB 10.0° / 17.0° 92 % 31.6 cd/lm 1		91 92 17 91 92 91 92 91 92 91 92 91 92 91 92 91 92 91 92 91 92 92 92 92 92 92 92 92 92 92 92 92 92 9
Light colour Required components:	White		e. 30,9
			20° 200 10° 20°
OSRAM Opto Semiconductors			90 <sup>4</sup>
LED	SFH 4717AS		
FWHM / FWTM Efficiency	10.0° / 20.0° 93 %	Longe 7 × 1	60.0 60.0
LEDs/each optic	1		
Light colour	IR		43 <sup>4</sup> 12800 43*
Required components:			24° 12° 0° 12° 36



## PRODUCT DATASHEET CN15529\_GABRIELLA-45-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.

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