

## **GABRIELLA-45-M**

~25° medium beam with holder

### **TECHNICAL SPECIFICATIONS:**

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

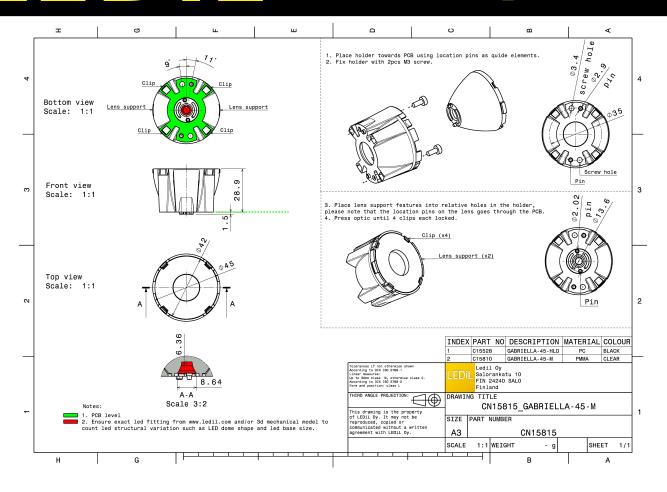


### **MATERIAL SPECIFICATIONS:**

Component	Туре	Material	Colour	Finish
GABRIELLA-45-M	Single lens	PMMA	clear	
GABRIELLA-45-HLD	Holder	PC	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CN15815_GABRIELLA-45-M	Single lens	405		45	0.0
» Box size:					



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



## PHOTOMETRIC DATA (MEASURED):

🕐 LUMIL	EDS	50° A
LED	LUXEON CZ	
FWHM / FWTM	23.0° / 43.0°	
Efficiency	89 %	
Peak intensity	4.5 cd/lm	
LEDs/each optic	4	
Light colour	RGBW	gr (
Required compone	nts:	329
		30'
	EDC	252 - 252 -
		90 <sup>*</sup>
LED	LUXEON MultiColor Module 2.5W	8
FWHM / FWTM	24.0° / 43.0°	
Efficiency	89 %	6/5 - 500 - E
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	RGBW	
Required compone	nts:	
		20° 25° 48/0 25° 5
	NUS	90° A 9
LED	SBM-40-RGBW	
	23.0° / 39.0°	
FWHM / FWTM	23.0° / 39.0° 89 %	
FWHM / FWTM Efficiency	89 %	60 <sup>2</sup>
FWHM / FWTM Efficiency Peak intensity		
FWHM / FWTM Efficiency	89 % 5.1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	89 % 5.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts:	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts: NCSxE17A	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0° 90 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>WICHIO</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone <b>WICHIO</b> LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	89 % 5.1 cd/lm 1 White nts: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	



## PHOTOMETRIC DATA (MEASURED):

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<b>ØNICHI</b>		50° A 50°
LED	NVSW219F	
FWHM / FWTM	24.0° / 40.0°	
Efficiency	90 %	
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	g* g*
Required compone	nts:	
		34-
000044		15% 00 15%
OSRAM Opto Semiconductors		90*
LED	OSLON Square EC	
FWHM / FWTM	24.0° / 39.0°	
Efficiency	88 %	500
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	q
Required component	nts:	
		30*
OSRAM		125, 64, 752,
OSRAM Opto Semiconductors		99° 99°
Opto Semiconductors	Ostar-SMT RGB	
Opto Semiconductors LED FWHM / FWTM	24.0° / 40.0°	3°
opto Semiconductors LED FWHM / FWTM Efficiency	24.0° / 40.0° 90 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	24.0° / 40.0° 90 % 4.9 cd/lm	3°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 40.0° 90 % 4.9 cd/lm 1	3°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	22. 92. 60. 700 65. 36. 55. 56. 55. 57. 55.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	22. 92. 60. 700 65. 36. 55. 56. 55. 57. 55.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50 50 50 50 5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componen	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	50 50 50 50 50 50 50 50 50 50 50 50 50 5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component seoul semiconductor LED	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts:	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stout stationary stout stationary LED FWHM / FWTM	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component storul semiconductor LED FWHM / FWTM Efficiency	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0° 88 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stoul staticonductor LED FWHM / FWTM Efficiency Peak intensity	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component second	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component second semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component stoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required component SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White nts: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	



## PHOTOMETRIC DATA (MEASURED):

SEQUE SEMICONDUCTOR		90* 90*
LED	SPF05F0B	75*
FWHM / FWTM	24.0° / 40.0°	
Efficiency	88 %	60 <sup>2</sup> 1600 60°
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour	RGBW	47 <sup>*</sup> 43*
Required compone	nts:	345 47 47 32 34
		90* 90*
LED	SPF05F0C	
FWHM / FWTM	24.0° / 41.0°	73.
Efficiency	89 %	get 1500 get
Peak intensity	4.8 cd/lm	
LEDs/each optic	1	$  \times / /     \times \times  $
Light colour	RGBW	gr
Required compone		300 120 00 120 300



## PHOTOMETRIC DATA (SIMULATED):

		90°
LED	J Series 5050 Round LES	73*
FWHM / FWTM	23.0° / 40.0°	
Efficiency	92 %	60° 60°
Peak intensity	5.2 cd/lm	
LEDs/each optic	1	
Light colour	White	55° - 3230 - 65°
Required components:		
		30° 15° 0° 15°
		90° 30°
LED	XHP35.2	21*
FWHM / FWTM	22.0° / 40.0°	
Efficiency	88 %	60° 1600 60°
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour	White	43* 43*
Required components:		
		30° 35°
		15° 0° 15°
		90 <sup>4</sup> 90 <sup>6</sup>
LED	XHP50.2	
LED FWHM / FWTM	XHP50.2 22.0° / 40.0°	
FWHM / FWTM	22.0° / 40.0°	
FWHM / FWTM Efficiency	22.0° / 40.0° 89 %	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 40.0° 89 % 5.1 cd/lm 1	5
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1	a. 
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1	a. 
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1	5
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1	5
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1 White	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0° 88 %	by     by       by     122       by     123       by     123  <
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0°	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0° 88 % 4.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0° 88 % 4.7 cd/lm	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED EU FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0° 88 % 4.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0° 88 % 4.7 cd/lm 1	
FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0° 88 % 4.7 cd/lm 1	



## PHOTOMETRIC DATA (SIMULATED):

CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XHP70.2 24.0° / 44.0° 87 % 4 cd/lm 1 White	30. 20. 20. 20. 20. 20. 20. 20. 2
		90 <sup>4</sup> 90 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XM-L RGB 23.0° / 42.0° 85 % 4.5 cd/lm 1 White	30 00 00 00 91 00 00 92 00 93 00 93 00 95 00
LED ENGIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LZ7 Plus (LZ7-04M2PD) 23.0° / 39.0° 93 % 5.5 cd/lm 1 White	91 <sup>4</sup> 91 <sup>4</sup> 91 <sup>4</sup> 9
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 24.0° 86 % 4 cd/lm 4 RGBW	200 200 200 200 200 200 200 200



## PHOTOMETRIC DATA (SIMULATED):

OSRAM Opto Semiconductors			90° <b>A</b> 90°
LED	DURIS E 5050 RGBW		75-
FWHM / FWTM	20.0 + 22.0° / 39.0 + 40.0°		73
Efficiency	91 %		50° 50°
Peak intensity	5.6 cd/lm		$r \times / / \wedge \times \gamma$
LEDs/each optic	1		
Light colour	RGBW		e
Required components:			30 <sup>4</sup> 12 <sup>2</sup> 6 <sup>4</sup> 12 <sup>3</sup> 9 <sup>4</sup>
OSRAM Opto Semiconductors			90° <b>A</b> 90°
LED	OSTAR Stage (S2WP)		
FWHM / FWTM	25.0°		75'
Efficiency	86 %		
Peak intensity	4 cd/lm		1600
LEDs/each optic	1		
Light colour	White		93*
Required components:			30° 30° 35° 0° 35°
OSRAM Opto Semiconductors		· · · ·	32 25 26
LED	SFH 4717AS		1000
FWHM / FWTM	20.0° / 36.0°	e	60° 60°
Efficiency	92 %		
LEDs/each optic	1		
Light colour Required components:	IR		$f \times / \square \times $
			800 30 <sup>-</sup> 50 <sup>-</sup> 50 <sup>-</sup> X <sup>-</sup>



#### **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:

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