

GABRIELLA-45-M

~25° medium beam with holder

SPECIFICATION:

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

MATERIALS:

Component C15810_GABRIELLA-45-M C15528_GABRIELLA-45-HLD **Type** Single lens Holder

	-		
	N.		
LEDiĽ			

Material	Colour	Finish
PMMA	clear	
PC	black	

ORDERING INFORMATION:

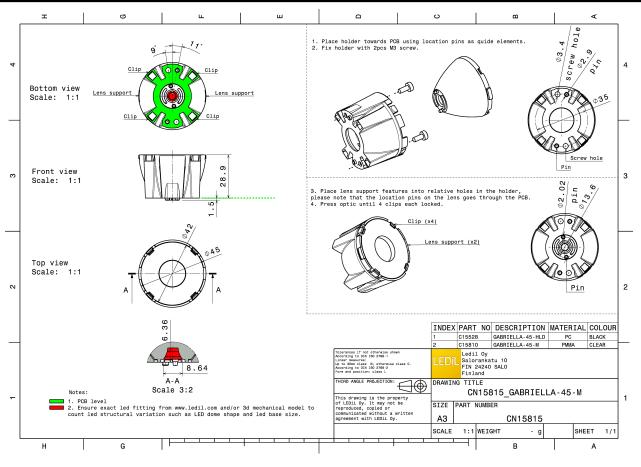
Quantities for one set:

Single lens 1 Holder 1



Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15810_GABRIELLA-45-M » Box size: 476 x 273 x 292 mm	Single lens	405	90	45	11.3
C15528_GABRIELLA-45-HLD » Box size: 476 x 273 x 292 mm	Holder	405	90	45	5.1





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



OPTICAL RESULTS (MEASURED):

COMIL	.EDS	50° 50°
LED	LUXEON 5052 RGBW	
FWHM / FWTM	24.0° / 43.0°	8
Efficiency	89 %	
Peak intensity	4.4 cd/lm	
LEDs/each optic	1	
Light colour	RGBW	er a
Required compone		
		30
M		n de n
	.EDS	90 [°] 90 [°]
LED	LUXEON CZ	21
FWHM / FWTM	23.0° / 43.0°	
Efficiency	89 %	60 ⁴ 500
Peak intensity	4.5 cd/lm	
LEDs/each optic	4	
Light colour	RGBW	er a
Required compone	ents:	
		345 100 100 100
		10 0 10
ELUM		
		90 ⁴
LED	SBM-40-RGBW	25 26 26
LED FWHM / FWTM	SBM-40-RGBW 23.0° / 39.0°	90 ⁴
LED FWHM / FWTM Efficiency	SBM-40-RGBW 23.0° / 39.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White	94 99 75 95 96 97 97 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIM LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone MICHIA Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 23.0° / 39.0° 89 % 5.1 cd/lm 1 White ents: NCSxE17A 24.0° / 42.0° 90 % 4.6 cd/lm 4 RGBW	



OPTICAL RESULTS (MEASURED):

A (
∕∕ NICHI∕		90 ⁴
LED	NVSW219F	
FWHM / FWTM	24.0° / 40.0°	
Efficiency	90 %	
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	g ⁴
Required compone		
		30
		335 [°] 0 [°] 35 [°]
OSRAM Opto Semiconductors		90 ⁴
LED	OSLON Square EC	
FWHM / FWTM	24.0° / 39.0°	
Efficiency	88 %	
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	g* a
Required compone	ents:	
		30*
		157 00 155
0000444		
OSRAM Opto Semiconductors		50 ⁴
OSRAM Opto Semiconductors	Ostar-SMT RGB	90°
	Ostar-SMT RGB 24.0° / 40.0°	39 ⁴
LED		
LED FWHM / FWTM	24.0° / 40.0°	
LED FWHM / FWTM Efficiency	24.0° / 40.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity	24.0° / 40.0° 90 % 4.9 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	24.0° / 40.0° 90 % 4.9 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone scoul semiconductor LED FWHM / FWTM Efficiency	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents: SPF05F0A 24.0° / 39.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone scoul semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone scoul semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconoucror LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	24.0° / 40.0° 90 % 4.9 cd/lm 1 White ents: SPF05F0A 24.0° / 39.0° 88 % 5 cd/lm 1 RGBW	



OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR		50° A
LED	SPF05F0B	
FWHM / FWTM	24.0° / 40.0°	
Efficiency	88 %	
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour	RGBW	
Required compone	ents:	25 ⁴ 25 ⁴ 0 ⁴ 25 ⁴ 3
SEOUL		90 ⁴
SEOUL SEMICONDUCTOR	SPF05F0C	
FWHM / FWTM	24.0° / 41.0°	77
Efficiency	89 %	
Peak intensity	4.8 cd/lm	
LEDs/each optic	1	
Light colour	RGBW	92
Required compone		200 200 200 200



		90° 90°
LED	J Series 5050 Round LES	
FWHM / FWTM	23.0° / 40.0°	75*
Efficiency	92 %	1000
Peak intensity	5.2 cd/lm	60° 60°
LEDs/each optic	1	\times / / \wedge \times
Light colour	White	gy 3200 67*
Required components:	Wille	
required components.		
		30° 30° 30° 15°
		90° A 50°
LED	XHP35.2 HD	
FWHM / FWTM	22.0° / 40.0°	27
Efficiency	88 %	1000
Peak intensity	4.9 cd/lm	60° / 60°
LEDs/each optic	1	
Light colour	White	ar ar
Required components:		3300
		300 300
		15° 0° 15°
		90* A 90*
	XHP50.2	92 [*]
LED	XHP50.2 22.0° / 40.0°	30°
LED FWHM / FWTM	22.0° / 40.0°	50° 50° 73° 72°
LED FWHM / FWTM Efficiency	22.0° / 40.0° 89 %	
LED FWHM / FWTM Efficiency Peak intensity	22.0° / 40.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 40.0° 89 % 5.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1	25 500 60 ² 60 ²
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	22.0° / 40.0° 89 % 5.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	22.0° / 40.0° 89 % 5.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1	25 - 25 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1	25 - 25 - 27 - 27 - 27 - 27 - 27 - 27 -
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	22.0° / 40.0° 89 % 5.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity	22.0° / 40.0° 89 % 5.1 cd/lm 1 White XHP50.3 HD 22.0° / 42.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: 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	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED 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	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: 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	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED 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	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED 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	



CREE 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
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XM-L RGBW (XMLCTW) 23.0° / 42.0° 85 % 4.5 cd/lm 1 White	51 ⁴ 51 ⁵ 51 ⁴ 51 ⁵
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XM-L RGBW (XMLDCL HD) 20.0° / 39.0° 92 % 6.3 cd/lm 1 RGBW	200 200 200 200 200 200 200 200
CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XM-L RGBW (XMLDCL HI) 19.0 + 18.0° / 38.0° 92 % 6.7 cd/lm 1 RGBW	229 400 400 400 400 400 400 400 40



CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-E2 22.0° / 38.0° 92 % 6 cd/lm 1 Amber	24 20 10 10 10 10 10 10 10 10 10 10 10 10 10
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	20 20 20 20 20 20 20 20 20 20
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON C 24.0° 86 % 4 cd/lm 4 RGBW	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON Rubix 20.0 + 19.0° / 38.0° 93 % 6.8 cd/lm 4 RGBW	20 20 20 20 20 20 20 20 20 20



OSRAM Opto Semiconductors			90 ⁴
LED	DURIS E 5050 (GW J9LHS1.4M)		75'
FWHM / FWTM	20.0 + 22.0° / 39.0 + 40.0°		$\Gamma \times X \land X \land I$
Efficiency	91 %		60° 50°
Peak intensity	5.6 cd/lm		
LEDs/each optic	1		2200
Light colour	RGBW		e
Required components:			2 ³ - 2 ³ - 2 ³ - 2 ³
OSRAM Opto Semiconductors			50°
LED	OSTAR Stage (S2WP)		
FWHM / FWTM	25.0°		75. 73.
Efficiency	86 %		
Peak intensity	4 cd/lm		60° 60°
LEDs/each optic	1		
Light colour	White		45*
Required components:			30° 0° 25° 30°
OSRAM Opto Semiconductors		Polar intensity graph	90 ⁴ 90 ⁴
LED	SFH 4717AS		1000
FWHM / FWTM	20.0° / 36.0°		60* 60*
Efficiency	92 %		
LEDs/each optic	1		57 57 57 57 57 57 57 57 57 57 57 57 57 5
Light colour Required components:	IR		
			36° 650 35°



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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LEDiL Oy

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