

PRODUCT DATASHEET CX15818_GABRIELLA-45-M

GABRIELLA-45-M

 ${\sim}25^\circ$ medium beam with holder and installation tape

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 45.0 mm
Height	29.2 mm
Fastening	tape
ROHS compliant	yes 🛈



MATERIAL SPECIFICATIONS:

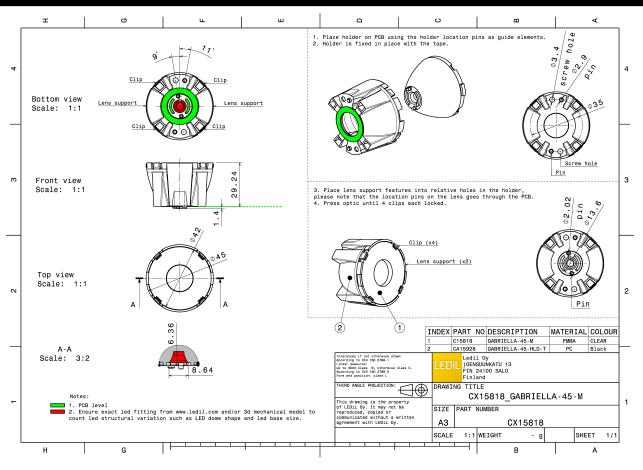
Component	Туре	Material	Colour	Finish
GABRIELLA-45-M	Single lens	PMMA	clear	
GABRIELLA-45-HLD-T	Assembly	PC	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CX15818_GABRIELLA-45-M	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° 90°
LED	XQ-E HD	
FWHM / FWTM	24.0° / 43.0°	
Efficiency	86 %	
Peak intensity	4.3 cd/lm	60.°
LEDs/each optic	4	
Light colour	RGBW	gr ()
Required compone		
		304 36
	EDS	159 0 ⁶ 159
		90'
		73.
FWHM / FWTM	24.0° / 44.0°	
Efficiency Book intensity	87 % 4.1 cd/lm	60° 50°
Peak intensity		
LEDs/each optic Light colour	4 RGBW	
Required compone		
Required compone		3200
		30°
		15% 0% 15%
	NUS	90* A 90*
		90° 90° 15°
LED	NUS SBM-40-RGBW 24.0° / 40.0°	25° 0° 15'
LED FWHM / FWTM	SBM-40-RGBW	
LED FWHM / FWTM Efficiency	SBM-40-RGBW 24.0° / 40.0°	25 ⁴ 0 ⁴ 15 ²
LED FWHM / FWTM	SBM-40-RGBW 24.0° / 40.0° 89 %	60° 15° 0° 15°
LED FWHM / FWTM Efficiency Peak intensity	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm	25° 6° 15° 6° 15° 9° 12° 10° 9° 28° 500 6° 29° 500 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White	g, g, g, g, g, g, g, g, g, g, g, g, g, g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White	25 [°] 0 [°] 15 [°] 9 [°] 9 [°] 9 [°] 9 [°] 9 [°] 9 [°] 9 [°] 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White	25° 0° 15' 0° 500 0° 500 0° 6° 100 0° 6° 0° 6°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0° 90 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0° 90 % 4.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0° 90 % 4.4 cd/lm 4	94 ⁴ 94 ⁴ 94 ⁴ 94 ⁴ 96 ⁴ 100 96 ⁴ 96
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 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0° 90 % 4.4 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0° 90 % 4.4 cd/lm 4 RGBW	94 ⁴ 94 ⁴ 94 ⁴ 94 ⁴ 96 ⁴ 100 96 ⁴ 96
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 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0° 90 % 4.4 cd/lm 4 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone WICHIA LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	SBM-40-RGBW 24.0° / 40.0° 89 % 5 cd/lm 1 White nts: NCSxE17A 23.0° / 43.0° 90 % 4.4 cd/lm 4 RGBW	



PHOTOMETRIC DATA (MEASURED):

∕∕ NICHI∕		90°
LED	NVSW219F	
FWHM / FWTM	24.0° / 40.0°	77
Efficiency	89 %	
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	gr gr
Required compone		
		304 460
		125 ¹ 0 ¹⁶ 12 ⁹
SEOUL SEMICONDUCTOR		50 ⁺ A 50 ⁺
LED	SPF05F0A	
FWHM / FWTM	24.0° / 40.0°	25
Efficiency	89 %	
Peak intensity	4.9 cd/lm	
LEDs/each optic	1	
Light colour	RGBW	er er
Required compone	nts:	
		30"
		55° Q ⁴ 15°
SEOUL		
SEOUL SEMICONDUCTOR		30 A 30
SEOUL SEMICONDUCTOR	SPF05F0B	
	SPF05F0B 23.5 + 24.0° / 41.0°	20
LED		
LED FWHM / FWTM	23.5 + 24.0° / 41.0°	
LED FWHM / FWTM Efficiency	23.5 + 24.0° / 41.0° 88 %	
LED FWHM / FWTM Efficiency Peak intensity	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm	o.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW	o.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW	o.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts:	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stemiconductor LED FWHM / FWTM	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous stmiconbuctor LED FWHM / FWTM Efficiency	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone scoul semiconductor LED FWHM / FWTM Efficiency Peak intensity	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 % 4.4 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 % 4.4 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stemconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 % 4.4 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 % 4.4 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone stout stemconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 % 4.4 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seous semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 % 4.4 cd/lm 1 RGBW	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.5 + 24.0° / 41.0° 88 % 4.7 cd/lm 1 RGBW nts: SPF05F0C 23.0° / 43.0° 87 % 4.4 cd/lm 1 RGBW	



PHOTOMETRIC DATA (SIMULATED):

		90 [*] 90 [*]
LED	XM-L RGB	
FWHM / FWTM	23.0°	75*
Efficiency	85 %	
Peak intensity	4.5 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	White	97 etc
Required components:		330
		300
		4000 4000 15°
UMILEC	DS	90° 90°
LED	LUXEON C	
FWHM / FWTM	24.0°	25'
Efficiency	86 %	60*
Peak intensity	4 cd/lm	
LEDs/each optic	4	
Light colour	RGBW	97° - 2430 - 47*
Required components:		
		300
		36* 4000 36*
		15° 0° 35°
OCDAM		
OSRAM Opto Semiconductors		90°
OSRAM Opto Semiconductors LED	OSTAR Stage (S2WN)	90 ⁴
Opto Semiconductors	OSTAR Stage (S2WN) 23.0° / 40.0°	90°
Opto Semiconductors LED		50° 300 75° 300 60° 60°
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	23.0° / 40.0°	90*
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	23.0° / 40.0° 93 % 5.4 cd/lm 1	64 67
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.0° / 40.0° 93 % 5.4 cd/lm	g. 220 6. 99 6. 99 6.
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	23.0° / 40.0° 93 % 5.4 cd/lm 1	64 67
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.0° / 40.0° 93 % 5.4 cd/lm 1	61
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.0° / 40.0° 93 % 5.4 cd/lm 1	61
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.0° / 40.0° 93 % 5.4 cd/lm 1	61 62
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	23.0° / 40.0° 93 % 5.4 cd/lm 1	64 67
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	23.0° / 40.0° 93 % 5.4 cd/lm 1 White	64 67
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP)	64 67
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSERAM Opto Semiconductors LED FWHM / FWTM	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0°	20.4 20.4 20.4 20.4 20.5 20.5 20.4 20.5 20.5
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0° 86 %	20.4 20.4 20.4 20.4 20.5 20.5 20.4 20.5 20.5
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0° 86 % 4 cd/lm	80 90 32 32 33 90 90 90 90 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0° 86 % 4 cd/lm 1	80 90 32 32 33 90 90 90 90 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0° 86 % 4 cd/lm	80 90 32 32 36 90 90 90 90 90 90 90 90 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0° 86 % 4 cd/lm 1	80 90 32 32 36 90 90 90
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0° 86 % 4 cd/lm 1	22 24 25 26 26 26 26 26 27 26 27 26 27 26 27 27 27 27 27 27 27 27 27 27
opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: COSRAM Opte Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	23.0° / 40.0° 93 % 5.4 cd/lm 1 White OSTAR Stage (S2WP) 25.0° 86 % 4 cd/lm 1	22 24 25 26 26 26 26 26 27 26 27 26 27 26 27 27 27 27 27 27 27 27 27 27



PRODUCT DATASHEET CX15818_GABRIELLA-45-M

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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