

PRODUCT DATASHEET GABRIELLA-45-W

GABRIELLA-45-W

~35° wide beam with holder

SPECIFICATION:

Dimensions	Ø 45.0 mm
Height	28.8 mm
Fastening	pin, screw
ROHS compliant	yes 🛈

MATERIALS:

Component C15813_GABRIELLA-45-W C15528_GABRIELLA-45-HLD **Type** Single lens Holder



Finish

Material	Colour
PMMA	clear
PC	black

ORDERING INFORMATION:

Quantities for one set:

Single lens 1 Holder 1

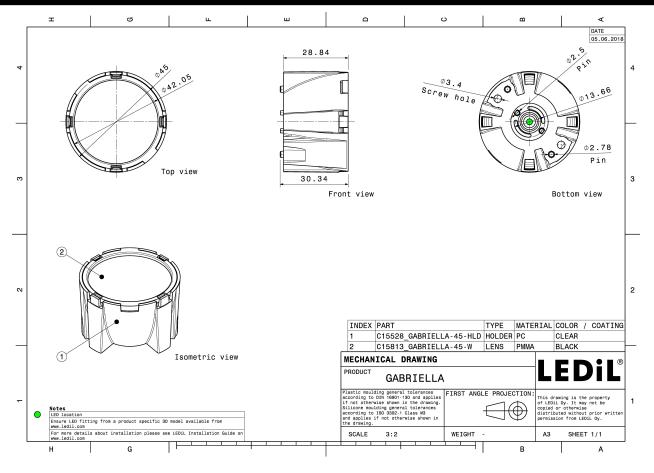


PRODUCT DATASHEET GABRIELLA-45-W

Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15813_GABRIELLA-45-W » Box size: 476 x 273 x 292 mm	Single lens	405	90	45	8.6
C15528_GABRIELLA-45-HLD » Box size: 476 x 273 x 292 mm	Holder	405	90	45	5.1



PRODUCT DATASHEET GABRIELLA-45-W



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



OPTICAL RESULTS (MEASURED):

		30* 30*
LED	XM-L RGBW (XMLCTW)	
FWHM / FWTM	37.0° / 62.0°	75
Efficiency	79 %	
Peak intensity	1.8 cd/lm	501
LEDs/each optic	1	
Light colour	White	42. 42.
Required compone	nts:	1200
		$X \land X$
		1600
		30. 30.
	EDS	90° 90°
LED	LUXEON 5052 RGBW	
FWHM / FWTM	32.0° / 57.0°	75. 75.
Efficiency	79 %	
Peak intensity	2.2 cd/lm	69* 60* 60*
LEDs/each optic	1	
Light colour	RGBW	gr er
Required compone		
		1600
		 139
UMIL	EDS	<u>90*</u>
LED	LUXEON CZ	75'
FWHM / FWTM	31.0° / 56.0°	
Efficiency	78 %	50° 500 60°
Peak intensity	2.2 cd/lm	
LEDs/each optic	4	ar
Light colour	RGBW	
Required compone	nts:	
		30° 28° 30°
(C) LUM	INUS	90* 90*
LED	SBM-40-RGBW	
FWHM / FWTM	33.0° / 56.0°	
Efficiency	80 %	50° 50°
Peak intensity	2.1 cd/lm	
LEDs/each optic	1	
Light colour	White	95* 43*
Required compone	nts:	1630
		30-



OPTICAL RESULTS (MEASURED):

ØNICHI		50° 50'
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NCSxE17A 31.0° / 54.0° 81 % 2.4 cd/lm 4 RGBW	
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	NVSW219F 35.0° / 59.0° 80 % 2 cd/lm 1 White	
Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	OSLON Square EC 34.0° / 57.0° 78 % 2 cd/lm 1 White	
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	Ostar-SMT RGB 34.0° / 56.0° 81 % 2.2 cd/lm 1 White Ints:	



OPTICAL RESULTS (MEASURED):

stoul stanconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SPF05F0A 33.0° / 56.0° 78 % 2.2 cd/lm 1 RGBW ents:		99 ⁴ 79 ⁴ 60 ⁴ 90 90 90 90 90 90 90 90 90 90 90 90 90
stoul seaconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SPF05F0B 34.0° / 58.0° 80 % 2.1 cd/lm 1 RGBW ents:		
SEQUIL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SPF05F0C 32.0° / 56.0° 79 % 2.2 cd/lm 1 RGBW ents:		5° 20° 20° 2° 2°



OPTICAL RESULTS (SIMULATED):

		30* 30*
LED	J Series 5050 Round LES	
FWHM / FWTM	33.0° / 54.0°	73
Efficiency	90 %	
Peak intensity	2.7 cd/lm	60.
LEDs/each optic	1	
Light colour	White	45* <u>1630</u> 65*
Required components:	Wine	$K \neq A = A \times Z$
		2130
		30° 15° 0° 15°
		90° 90°
	V/UDE0.0	30
	XHP50.2	75.
FWHM / FWTM	36.0° / 60.0°	
Efficiency	87 %	60* 60*
Peak intensity	2.2 cd/lm	
LEDs/each optic	1	45*
Light colour	White	
Required components:		1630
		30°
1		10 0 20
CREE ≑		90* 90* 90*
	VUD70.2	9° 9°
LED	XHP70.2	35 90 125 0 125 0 125 0 125 125 125 125 125 125 125 125
LED FWHM / FWTM	35.0° / 62.0°	
LED FWHM / FWTM Efficiency	35.0° / 62.0° 85 %	127 14 15 15 15 15 15 15 15 15 15 15 15 15 15
LED FWHM / FWTM Efficiency Peak intensity	35.0° / 62.0° 85 % 2.1 cd/lm	04 00 00 00 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	35.0° / 62.0° 85 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 62.0° 85 % 2.1 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	35.0° / 62.0° 85 % 2.1 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 62.0° 85 % 2.1 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 62.0° 85 % 2.1 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	35.0° / 62.0° 85 % 2.1 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	35.0° / 62.0° 85 % 2.1 cd/lm 1	g
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	35.0° / 62.0° 85 % 2.1 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD)	33 39 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0°	54 54 55 55 55 55 55 55 55 55
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0° 90 %	33 39 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0° 90 % 1.7 cd/lm	33 39 30 30 30 30 30 30 30 30 30 30
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0° 90 % 1.7 cd/lm 1	33 39 100 100 100 100 100 100 100 10
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0° 90 % 1.7 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0° 90 % 1.7 cd/lm 1	gr gr gr gr gr gr gr gr ho ho ho ho ho ho ho ho ho ho
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0° 90 % 1.7 cd/lm 1	g. g. g. g. g. g. g. g. g. g.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREECS LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	35.0° / 62.0° 85 % 2.1 cd/lm 1 White XM-L RGBW (XMLDCL HD) 43.0° / 67.0° 90 % 1.7 cd/lm 1	2. 2. 2. 2. 2. 2. 40 40 40 40 40 40 40 40 40 40



OPTICAL RESULTS (SIMULATED):

		90° 90°
LED	XM-L RGBW (XMLDCL HI)	
FWHM / FWTM	40.0 + 39.0° / 62.0°	75*
Efficiency	91 %	
Peak intensity	2.1 cd/lm	60°
LEDs/each optic	1	
Light colour	' RGBW	er Xe
Required components:	KOBW	
		1530
		30° 0° 35° 36°
; Led engin		90° 90°
LED EIIGIII	LZ7 Plus (LZ7-04M2PD)	
FWHM / FWTM	34.0° / 54.0°	257
Efficiency	90 %	
Peak intensity	2.7 cd/lm	60°
LEDs/each optic	1	
Light colour	White	47° 1600 47°
Required components:	Wine	$\mathbf{K} \neq \mathbf{A} = \mathbf{A} \times \mathbf{A}$
		200
		13° 0° 15° 30°
		T T
	15	90° 90°
		50°
LED	LUXEON 7070	73. 73.
LED FWHM / FWTM		25. 26. 26. 26.
LED FWHM / FWTM Efficiency	LUXEON 7070 32.0° / 58.0° 87 %	60°
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 7070 32.0° / 58.0°	60 00 00 00 00 00 00 00 00 00 00 00 00 0
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm	22
LED FWHM / FWTM Efficiency Peak intensity	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1	5°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1	5°. 100 - 6°. 100 - 2°.
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1	25. 26. 26. 20. 20. 20. 20. 20. 20. 20. 20
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1	30° 30° 50° 000 60° 50° 000 60° 50° 000 60°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White	94 94 94 94 94 94 94 94 94 94
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White	20° 0° 25° 3°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White	30° 30° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White DS LUXEON Rubix 39.0 + 38.0° / 62.0 + 61.0°	30° 30° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White S LUXEON Rubix 39.0 + 38.0° / 62.0 + 61.0° 91 % 2.2 cd/lm 4	30° 30° 30°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White S LUXEON Rubix 39.0 + 38.0° / 62.0 + 61.0° 91 % 2.2 cd/lm	50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White S LUXEON Rubix 39.0 + 38.0° / 62.0 + 61.0° 91 % 2.2 cd/lm 4	94 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White S LUXEON Rubix 39.0 + 38.0° / 62.0 + 61.0° 91 % 2.2 cd/lm 4	94 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White S LUXEON Rubix 39.0 + 38.0° / 62.0 + 61.0° 91 % 2.2 cd/lm 4	94 90 90 90 90 90 90 90 90 90 90 90 90 90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	LUXEON 7070 32.0° / 58.0° 87 % 2.5 cd/lm 1 White S LUXEON Rubix 39.0 + 38.0° / 62.0 + 61.0° 91 % 2.2 cd/lm 4	94 90 96 ⁴



OPTICAL RESULTS (SIMULATED):

1

SFH 4717AS

32.0° / 52.0°

88 %

1 IR

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-	-		_	

OSRAM Opto Semiconductors

FWHM / FWTM

LEDs/each optic

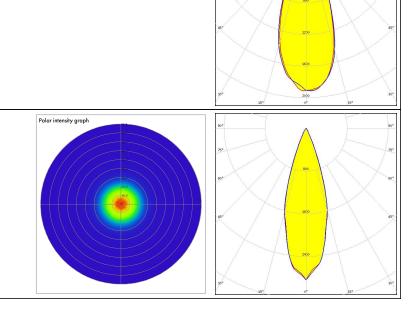
Efficiency

Light colour Required components:

LED

opto connectication
LED
FWHM / FWTM
Efficiency
Peak intensity
LEDs/each optic
Light colour
Required components:

DURIS E 5050 (GW J9LHS1.4M) 40.0° / 64.0° 90 % 1.9 cd/lm RGBW





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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