

# GABRIELLA-MIDI-W

~35° spot beam with holder and installation tape

## **TECHNICAL SPECIFICATIONS:**

Dimensions	Ø 37.5 mm
Height	24.2 mm
Fastening	tape, pin
ROHS compliant	yes 🛈

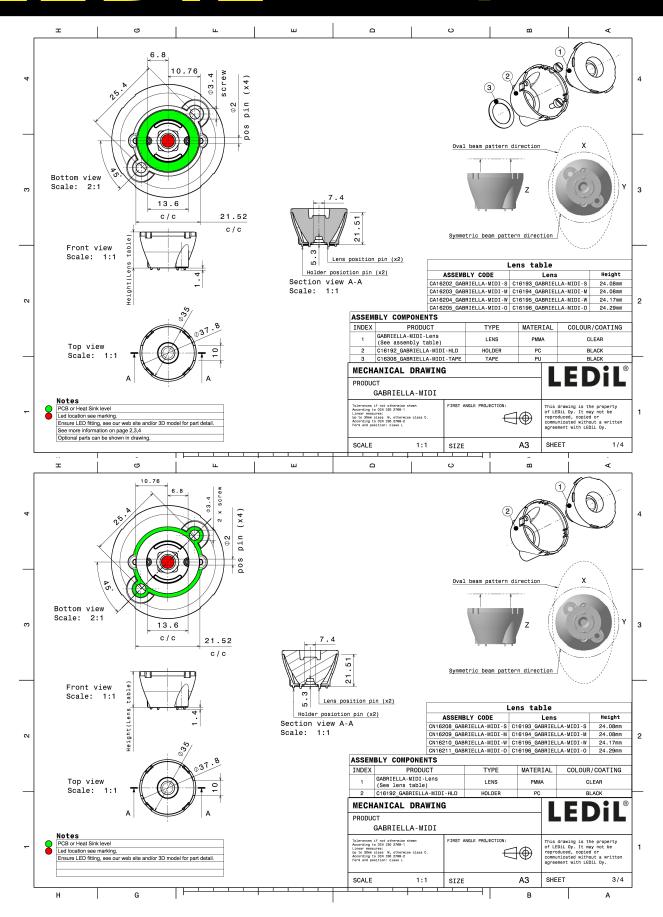


# MATERIAL SPECIFICATIONS:

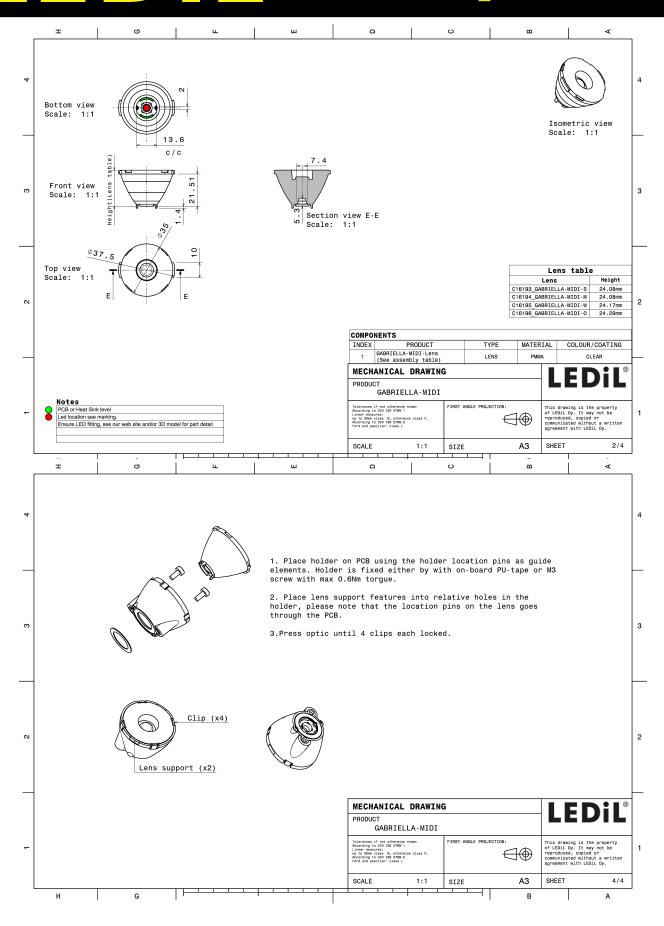
Component	Туре	Material	Colour	Finish
GABRIELLA-MIDI-W	Single lens	PMMA	clear	
GABRIELLA-MIDI-HLD	Assembly	PC	black	

#### **ORDERING INFORMATION:**

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA16204_GABRIELLA-MIDI-W	Single lens	500	100	50	11.5
» Box size: 476 x 273 x 292 mm					



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



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

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	D	20*	90*
LED	XHP35 HI		
FWHM / FWTM	35.0° / 56.0°	70	~ ~ ~
Efficiency	86 %		$\langle \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$
Peak intensity	2.3 cd/lm		
LEDs/each optic	1		
Light colour	White	e.	× •
Required compone	ents:		
		30" 300	360
	5	20 <sup>1</sup> 0 <sup>0</sup>	35°
			90
LED FWHM / FWTM	XHP50.2 34.0° / 59.0°	77	75
Efficiency	34.0° / 59.0° 82 %		
Peak intensity	2.1 cd/lm	60	60,
LEDs/each optic	1		
Light colour	White	g	45
Required compone			
rioquirod compone		200	
		97	12.9
	O	50°	90°
		814	90*
	XM-L RGBW (XMLDCL HI) 33.0° / 61.0°	25- 25-	90
LED	XM-L RGBW (XMLDCL HI)	<u>84</u>	
LED FWHM / FWTM	XM-L RGBW (XMLDCL HI) 33.0° / 61.0°	84 27 04 04	90
LED FWHM / FWTM Efficiency	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 %	61- 23- 24-	90
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW	6. 6. 20 90	99
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW	94 95 95	2 2 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW	94 27 94 96 90 97 90 90 90 90 90	99 73 80 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW	94 97 96 97 90 90 90 90	99 72 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW		99 73 60 60 60 60 60 60 60 60 60 60 60 60 60
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents:		25 25 27 27 27 27 27 27 27 27 27 27 27 27 27
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required componer	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents:		23 23 23 23 23 23 23 23 23 23 23 23 23 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Opto Semiconductors LED FWHM / FWTM	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0°		99 73 60 60 75 75 75
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0° 84 %		99 137 137 137 137 137 137 137 137 137 137
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone Optio Semiconductors LED FWHM / FWTM Efficiency Peak intensity	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0°		27 27 27 27 27 27 27 27 27 27 27 27 27 2
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0° 84 % 2.1 cd/lm 1		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0° 84 % 2.1 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSERAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0° 84 % 2.1 cd/lm 1 White		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone OSCRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0° 84 % 2.1 cd/lm 1 White		99 75 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 compone Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	XM-L RGBW (XMLDCL HI) 33.0° / 61.0° 82 % 2 cd/lm 1 RGBW ents: OSTAR Stage (S2WP) 36.0° / 57.0° 84 % 2.1 cd/lm 1 White		25 25 25 25 25 25 25 25 25 25 25 25 25 2



## PHOTOMETRIC DATA (MEASURED):

seour semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SPF05F0A 36.0° / 56.0° 86 % 2.3 cd/lm 1 RGBW ents:		21° 20° 0° 12° 20°
seoul semiconductor LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SPF05F0B 36.0° / 56.0° 86 % 2.3 cd/lm 1 RGBW ents:		
SEOUL SEMICONDUCTOR LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required compone	SPF05F0C 35.0° / 57.0° 84 % 2.2 cd/lm 1 RGBW ents:		20 20 20 20 20 20 20 20 20 20



		90 <sup>4</sup> 90 <sup>2</sup>
LED	J Series 5050 Round LES	
FWHM / FWTM	3 36.0° / 58.0°	73'
Efficiency	84 %	
Peak intensity	2.2 cd/lm	60° 60°
LEDs/each optic	1	
Light colour	' White	45*
Required components:	white	
		X / Y / X
		30° 30° 15° 29°30 15°
		90° 90°
LED	XHP50	
FWHM / FWTM	32.0° / 58.0°	73.
Efficiency	83 %	60* 000 60*
Peak intensity	2.3 cd/lm	$\tilde{\boldsymbol{x}} = (\tilde{\boldsymbol{x}})$
LEDs/each optic	1	
Light colour	White	g
Required components:		1690
		30. 30.
		15° 0° 15°
		90 <sup>4</sup> 90 <sup>4</sup>
	XM-L RGBW (XMLCTW)	99°
LED	XM-L RGBW (XMLCTW) 36.0° / 58.0°	50 <sup>4</sup> 30 <sup>4</sup> 30 <sup>4</sup> 30 <sup>4</sup> 30 <sup>4</sup> 30 <sup>4</sup> 30 <sup>4</sup> 30 <sup>4</sup>
LED FWHM / FWTM		
LED FWHM / FWTM Efficiency	36.0° / 58.0°	
LED FWHM / FWTM	36.0° / 58.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity	36.0° / 58.0° 85 % 2.2 cd/lm	99° 90°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 58.0° 85 % 2.2 cd/lm 1	99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 58.0° 85 % 2.2 cd/lm 1	99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 58.0° 85 % 2.2 cd/lm 1	99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 58.0° 85 % 2.2 cd/lm 1	99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 58.0° 85 % 2.2 cd/lm 1	9 <sup>1</sup> 9 <sup>1</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup> 9 <sup>2</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 58.0° 85 % 2.2 cd/lm 1	99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 58.0° 85 % 2.2 cd/lm 1	50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0°	99 <sup>4</sup> 99 <sup>4</sup> 99 <sup>4</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0° 85 %	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0°	50° 50° 50° 50° 50° 50° 50° 50°
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0° 85 % 2.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED EU FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0° 85 % 2.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0° 85 % 2.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED EU FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0° 85 % 2.2 cd/lm 1	
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	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0° 85 % 2.2 cd/lm 1	
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	36.0° / 58.0° 85 % 2.2 cd/lm 1 White XM-L2 37.0° / 58.0° 85 % 2.2 cd/lm 1	



CREE LED	XP-G2 37.0° / 57.0° 86 % 2.3 cd/lm 1 White	20 <sup>1</sup> 20 <sup>1</sup> 2
CREE LED LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	XP-G2 HE 38.0° / 56.0° 85 % 2.2 cd/lm 1 White	200 20 20 20 20 20 20 20 20 20
LED ENGIN LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LZ7 Plus (LZ7-04M2PD) 35.0° / 57.0° 87 % 2.3 cd/lm 1 White	9° 90 9° 90 6° 90 6° 90 6° 90 9° 6° 9° 6° 9° 6° 9° 6° 9° 6° 9° 6°
ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON 5050 Round LES 34.0° / 58.0° 85 % 2.3 cd/lm 1 White	200 12 10 10 10 10 10 10 10 10 10 10



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ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON M/MX 33.0° / 59.0° 82 % 2.2 cd/lm 1 White	30, 21, 22, 24, 26, 20, 20, 20, 20, 20, 20, 20, 20
	25	15 <sup>9</sup>
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	LUXEON MZ 35.0° / 57.0° 85 % 2.3 cd/lm 1 White	
<b>Ø</b> ΝΙCΗΙΛ		
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	NV4x144A 34.0° / 59.0° 82 % 2.1 cd/lm 1 White	25° 6° 25° 25°
OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	Duris S8 36.0° / 59.0° 84 % 2.1 cd/lm 1 White	90° 10° 10° 10° 10° 10° 10° 10° 1



OSRAM		
Opto Semiconductors	OSLON Square EC	90°
FWHM / FWTM	36.0° / 56.0°	77
Efficiency	85 %	
-	85 % 2.5 cd/lm	60 <sup>4</sup> 60 <sup>4</sup>
Peak intensity		
LEDs/each optic	1 White	
Light colour		
Required components	S:	
		30-
		25 <sup>4</sup> 0 <sup>3</sup> 25 <sup>5</sup>
SAMSU	NG	50° 50°
LED	LM28xB Series	
FWHM / FWTM		73*
	38.0° / 56.0°	
-		
Efficiency	88 %	ig. 000 40 <sup>4</sup>
Efficiency Peak intensity		
Efficiency Peak intensity LEDs/each optic	88 % 2.4 cd/lm 1	
Efficiency Peak intensity LEDs/each optic Light colour	88 % 2.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic	88 % 2.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	88 % 2.4 cd/lm 1 White	
Efficiency Peak intensity LEDs/each optic Light colour	88 % 2.4 cd/lm 1 White	ar ar



#### **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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