GABRIELLA-45-S

~9° spot beam with holder and installation tape



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 45.0 mm
Height	29.1 mm
Fastening	tape, pin, screw
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
C15927_GABRIELLA-45-S	Single lens	PMMA	clear	
CA15928_GABRIELLA-45-HLD-T	Assembly	PC	black	

ORDERING INFORMATION:

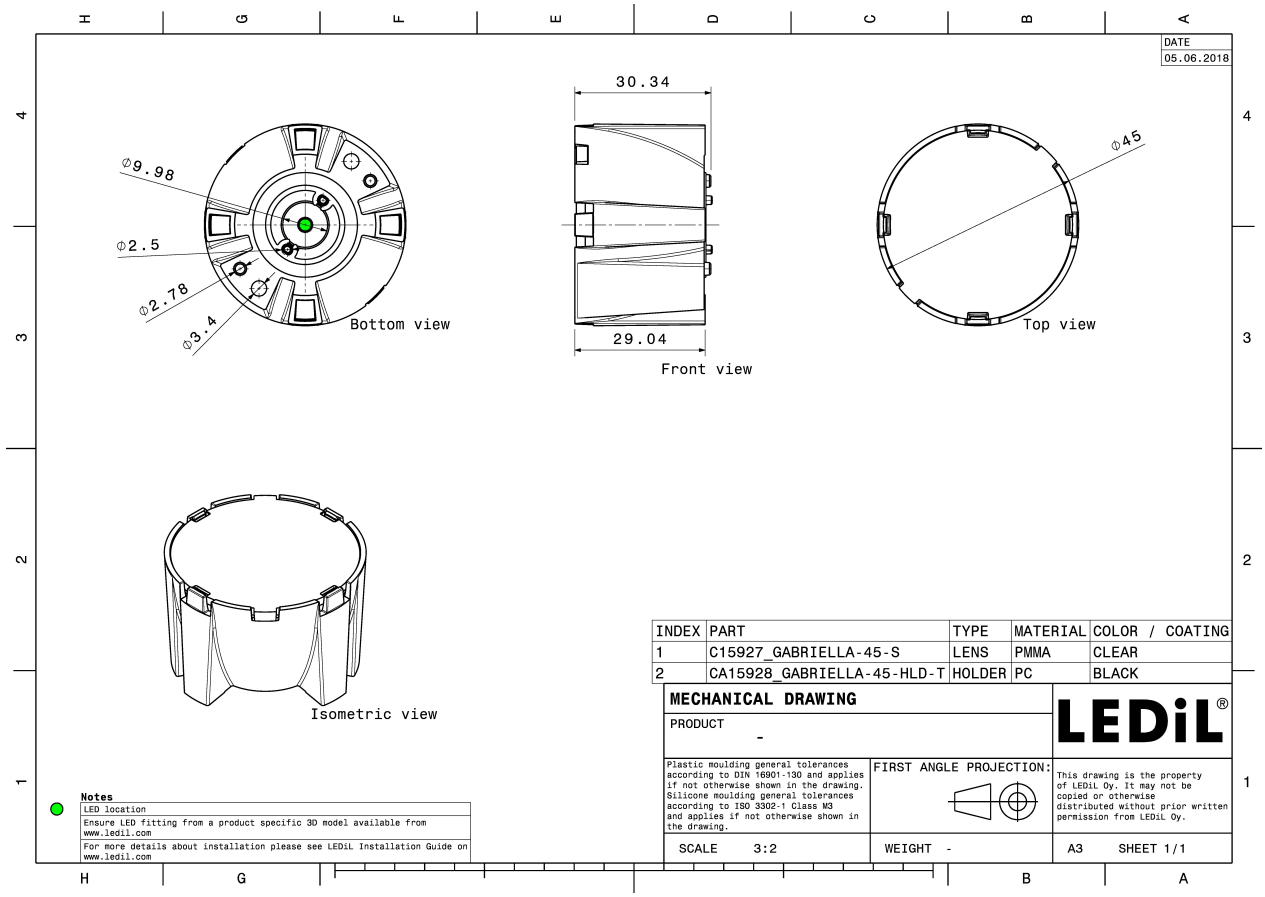
Quantities for one set:

Single lens	1
Assembly	1

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Component		Qty in box	MOQ	MPQ	Box weight (kg)
C15927_GABRIELLA-45-S » Box size: 476 x 273 x 292 mm	Single lens	405	90	45	11.5
CA15928_GABRIELLA-45-HLD-T » Box size: 476 x 273 x 292 mm	Assembly	405	90	45	5.7

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INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C15927_GABRIELLA-45-S	LENS	PMMA	CLEAR
2	CA15928_GABRIELLA-45-HLD-T	HOLDER	PC	BLACK

MECHANICAL DRAWING

PRODUCT -

Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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SCALE 3:2 | WEIGHT - | A3 SHEET 1/1

Notes

LED location

Ensure LED fitting from a product specific 3D model available from www.ledil.com

For more details about installation please see LEDiL Installation Guide on www.ledil.com

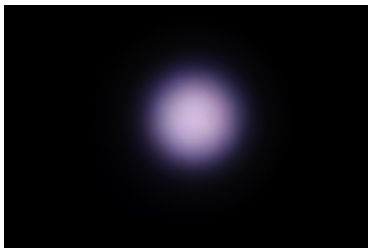
See also our general installation guide: www.ledil.com/installation_guide

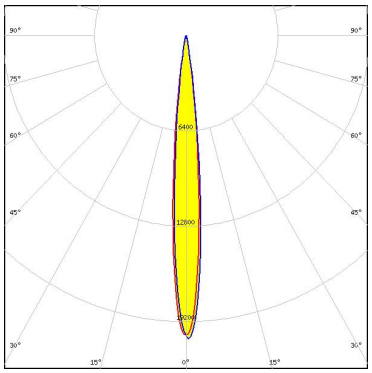
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PHOTOMETRIC DATA (MEASURED):

CREE LED

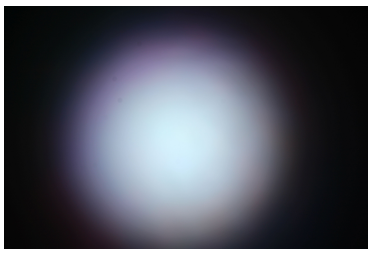
LED	XM-L RGBW (XMLDCL HI)
FWHM / FWTM	10.0° / 19.0°
Efficiency	89 %
Peak intensity	20.4 cd/lm
LEDs/each optic	1
Light colour	RGBW
Required components:	

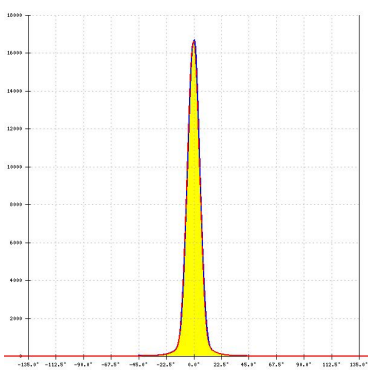




CREE LED

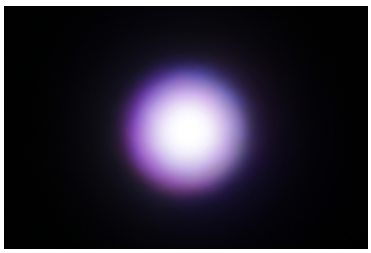
LED	XQ-E HD
FWHM / FWTM	11.0° / 21.0°
Efficiency	88 %
Peak intensity	16.8 cd/lm
LEDs/each optic	4
Light colour	RGBW
Required components:	

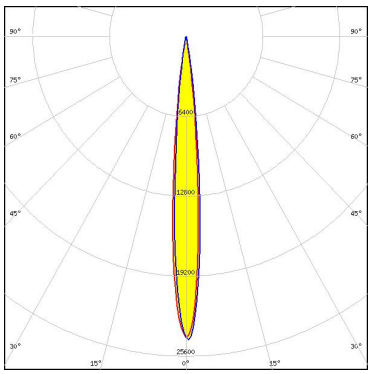




LED ENGIN

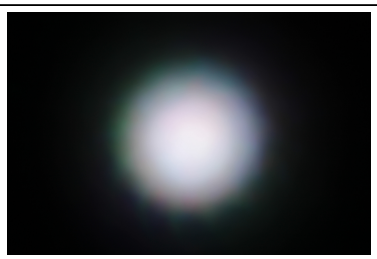
LED	LZ4-04MDPB
FWHM / FWTM	10.0° / 18.0°
Efficiency	91 %
Peak intensity	24.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

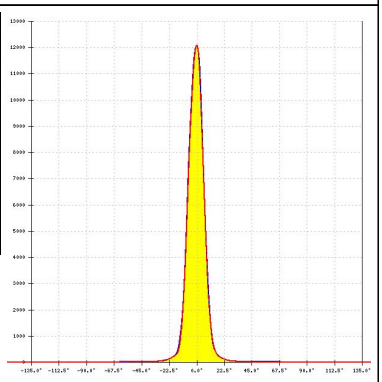




LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	14.0° / 25.0°
Efficiency	89 %
Peak intensity	12 cd/lm
LEDs/each optic	4
Light colour	RGBW
Required components:	





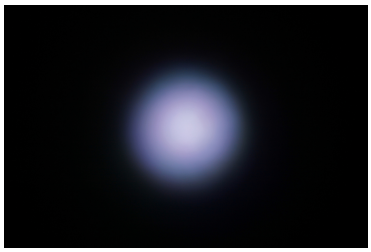
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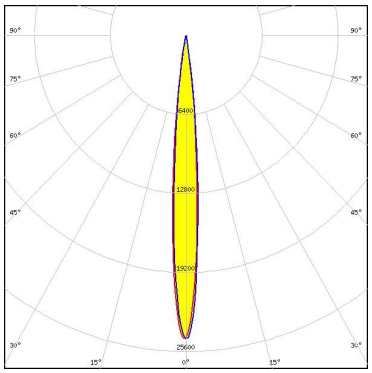
PHOTOMETRIC DATA (MEASURED):

LUMINUS

LED	SBM-40-RGBW
FWHM / FWTM	10.0° / 18.0°
Efficiency	89 %
Peak intensity	25 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

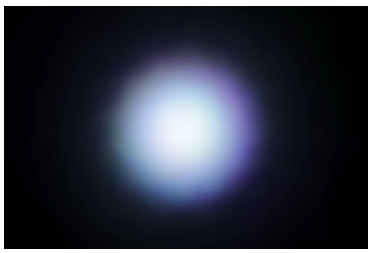


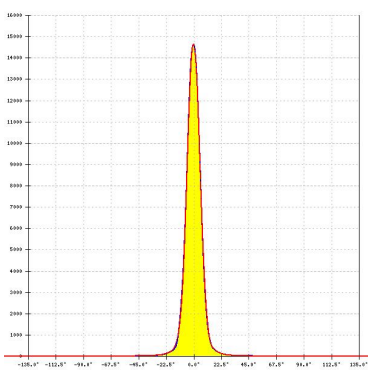


NICHIA

LED	NCSxE17A
FWHM / FWTM	12.0° / 23.0°
Efficiency	90 %
Peak intensity	15 cd/lm
LEDs/each optic	4
Light colour	RGBW

Required components:

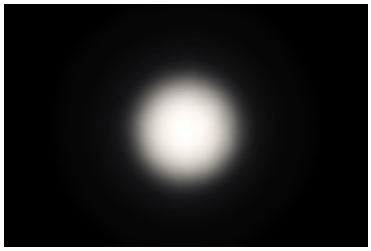


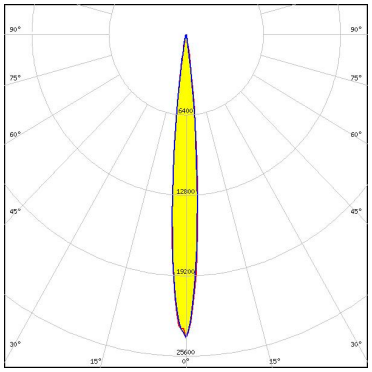


NICHIA

LED	NVSW219F
FWHM / FWTM	10.0° / 17.0°
Efficiency	89 %
Peak intensity	24.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

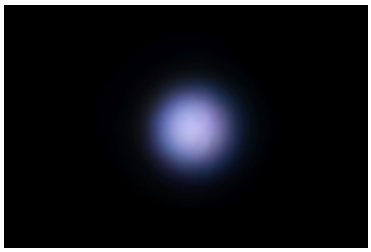


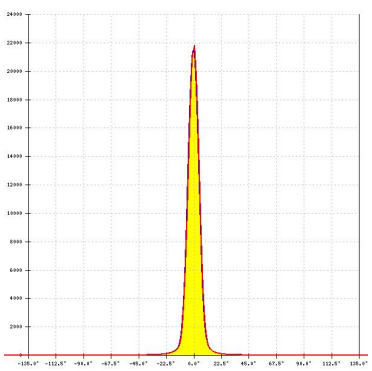


SEOUL SEMICONDUCTOR

LED	SPF05F0A
FWHM / FWTM	10.0° / 19.0°
Efficiency	89 %
Peak intensity	21.8 cd/lm
LEDs/each optic	1
Light colour	RGBW

Required components:





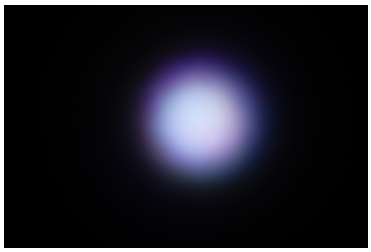
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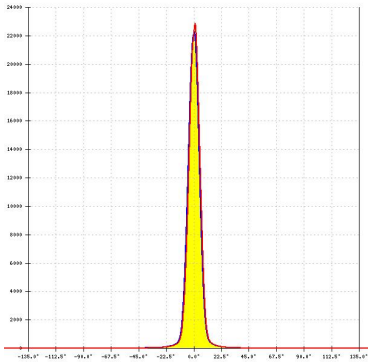
PHOTOMETRIC DATA (MEASURED):

SEOUL SEMICONDUCTOR

LED	SPF05F0B
FWHM / FWTM	10.0° / 18.0°
Efficiency	90 %
Peak intensity	22.9 cd/lm
LEDs/each optic	1
Light colour	RGBW

Required components:

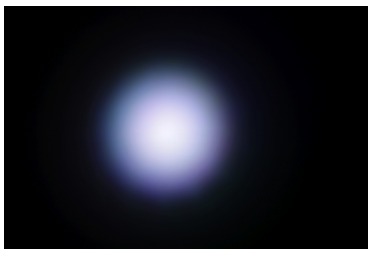


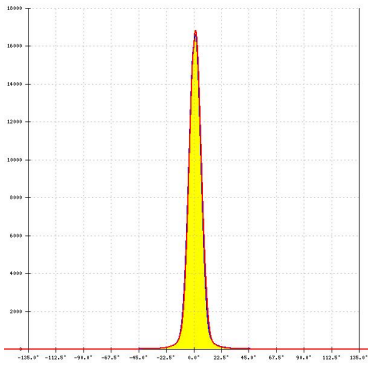


SEOUL SEMICONDUCTOR

LED	SPF05F0C
FWHM / FWTM	11.0° / 20.0°
Efficiency	89 %
Peak intensity	17.4 cd/lm
LEDs/each optic	1
Light colour	RGBW

Required components:



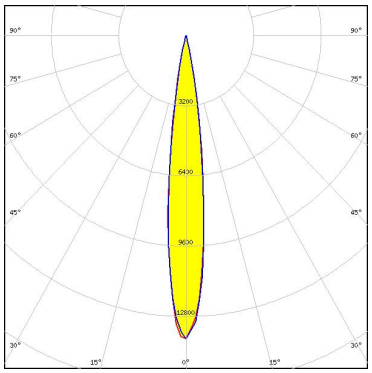


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PHOTOMETRIC DATA (SIMULATED):

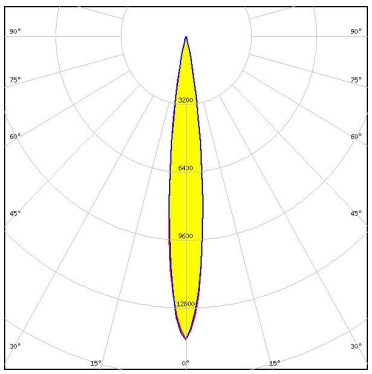
CREE LED

LED	XHP50
FWHM / FWTM	14.0° / 24.0°
Efficiency	89 %
Peak intensity	13.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



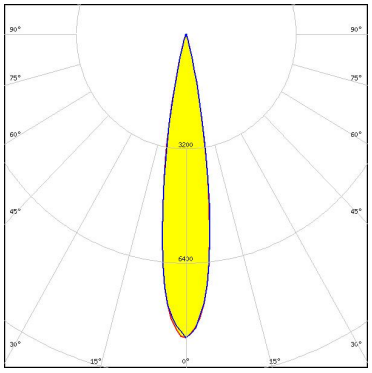
CREE LED

LED	XHP50.2
FWHM / FWTM	13.0° / 24.0°
Efficiency	91 %
Peak intensity	14.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



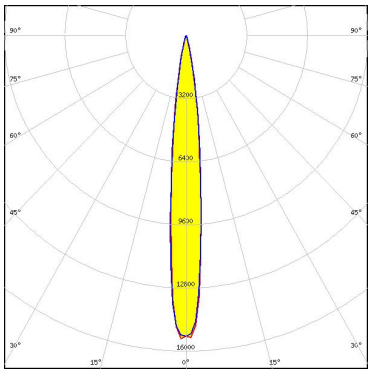
CREE LED

LED	XHP70
FWHM / FWTM	18.0° / 29.0°
Efficiency	87 %
Peak intensity	8.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE LED

LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	12.0° / 24.0°
Efficiency	93 %
Peak intensity	15.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

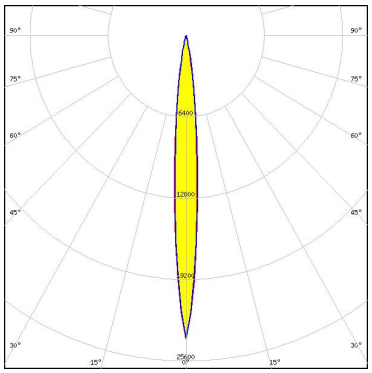


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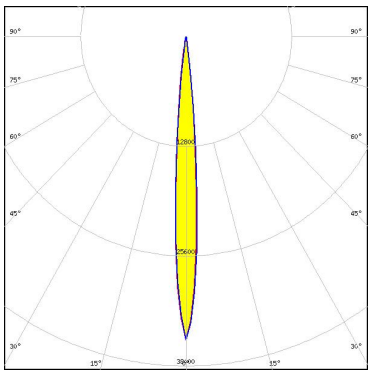
CREE LED

LED	XP-L HD
FWHM / FWTM	8.0° / 21.0°
Efficiency	92 %
Peak intensity	23.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



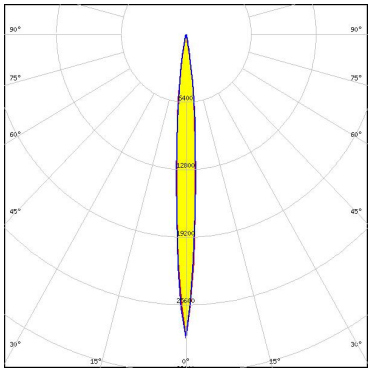
OSRAM
Opto Semiconductors

LED	OSTAR Stage (S2WN)
FWHM / FWTM	8.0° / 16.0°
Efficiency	94 %
Peak intensity	35.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSTAR Stage (S2WP)
FWHM / FWTM	8.0° / 19.0°
Efficiency	93 %
Peak intensity	28.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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.

PRODUCT DATA USER AGREEMENT AND DISCLAIMER:

The measured data in the provided downloadable LEDiL Product Datasheets and Mechanical 2D-Drawings is rounded and provided as reference for planning. LEDiL Oy's optical specifications have been verified by conducting performance testing of the products in accordance with the company's quality system. The reported data are averaged results of multiple measurements with typical variation. LEDiL Oy reserves the right to without prior notification make changes and improvements to its products.

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LEDiL Oy
Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.
228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.
405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support
www.ledil.com/
where_to_buy

Shipping locations
Salo, Finland
Hong Kong, China

Distribution Partners
www.ledil.com/
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