GABRIELLA-45-S

~9° spot beam with holder and installation tape



SPECIFICATION:

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

MATERIALS:

Component	Type	Material	Colour	Finish	Length
C15927_GABRIELLA-45-S	Single lens	PMMA	clear		42.0
CA15928_GABRIELLA-45-HLD-T	Assembly	PC	black		45.0

ORDERING INFORMATION:

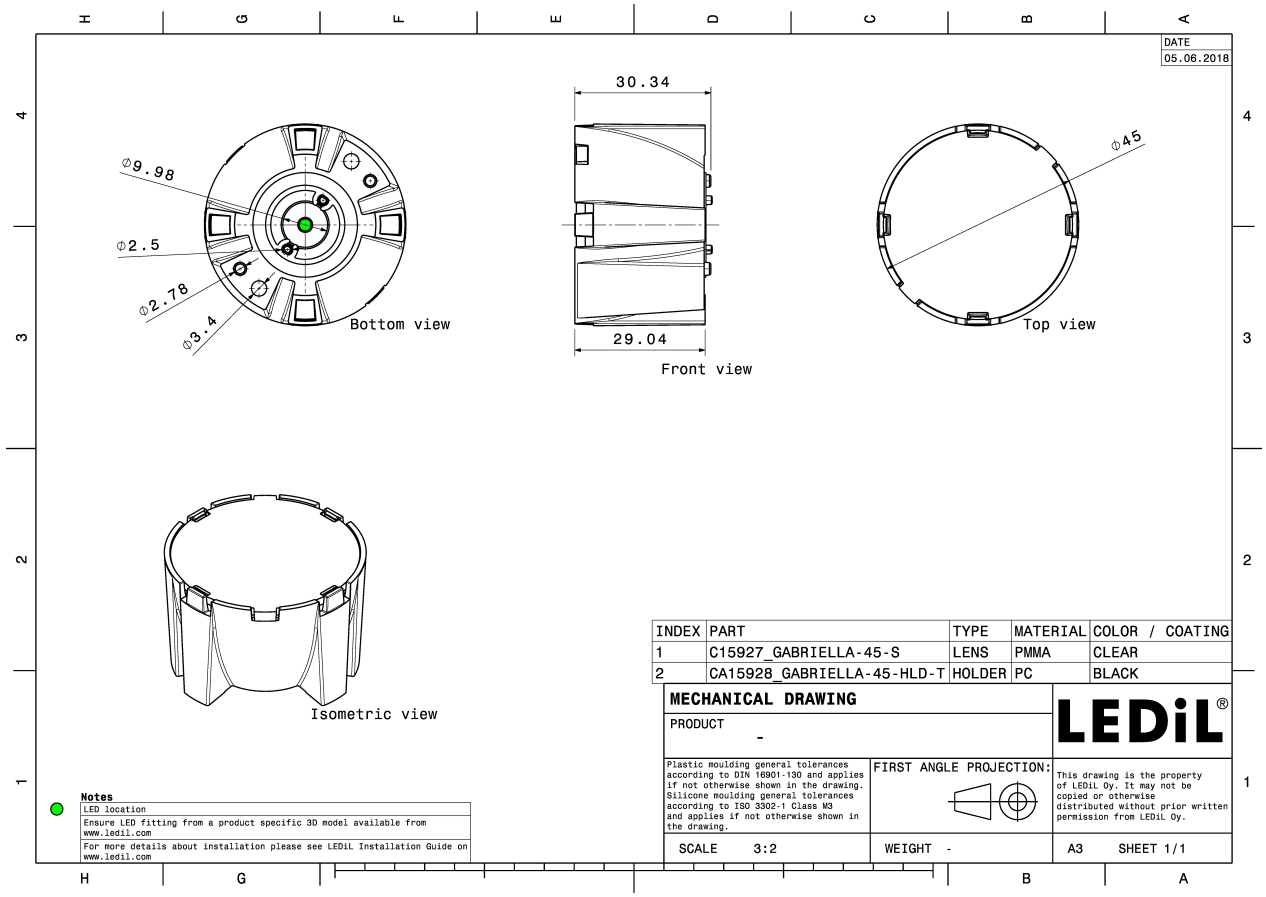
Quantities for one set:

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

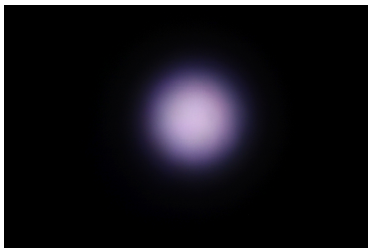
See also our general installation guide: www.ledil.com/installation_guide

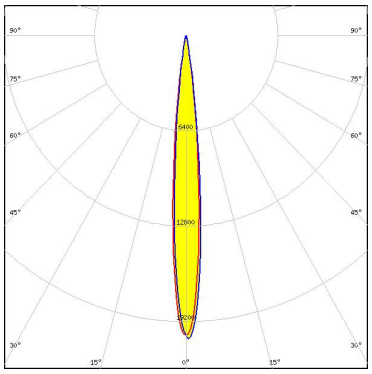
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OPTICAL RESULTS (MEASURED):

CREE LEDs

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/type	RGBW
Required components:	

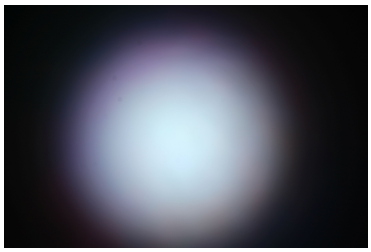


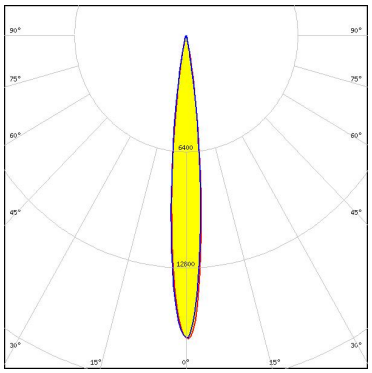


Light distribution files

CREE LEDs

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

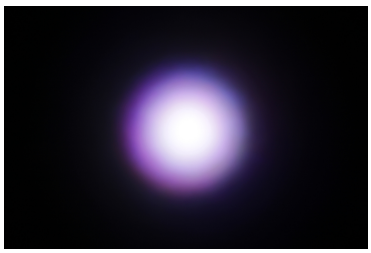


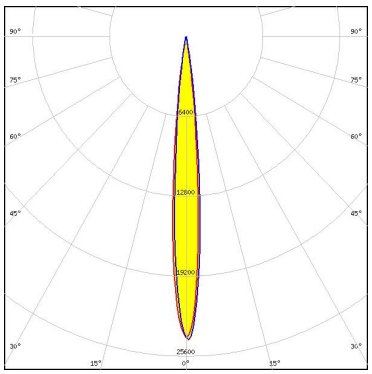


Light distribution files

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/type	White
Required components:	





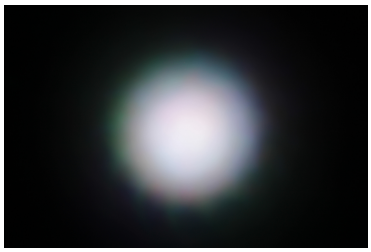
Light distribution files

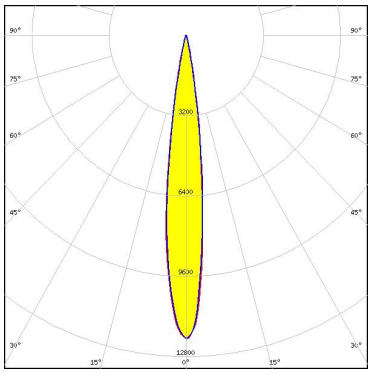
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OPTICAL RESULTS (MEASURED):

LUMILEDS

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

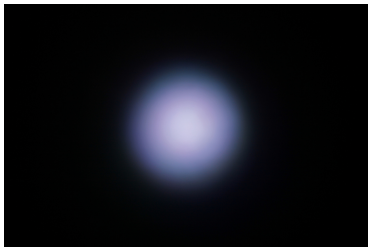


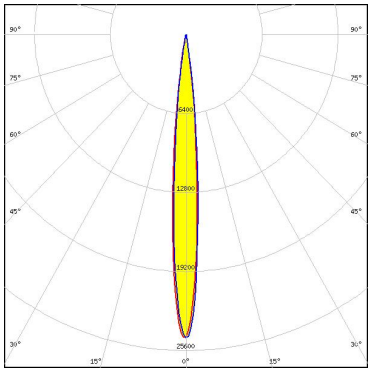


Light distribution files

LUMINUS

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

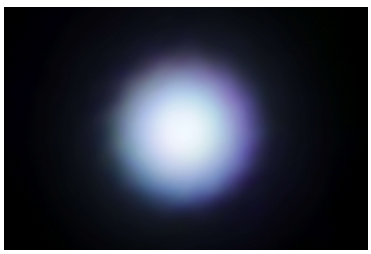


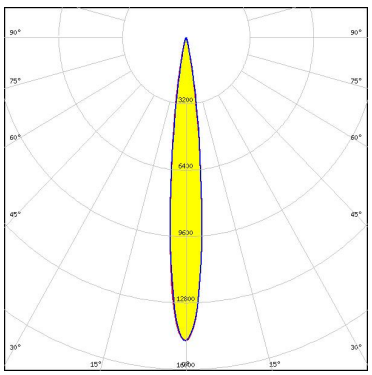


Light distribution files

NICHIA

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





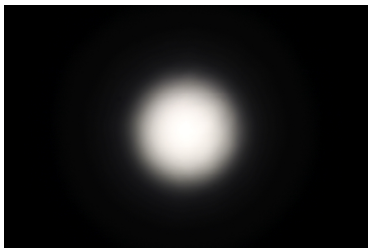
Light distribution files

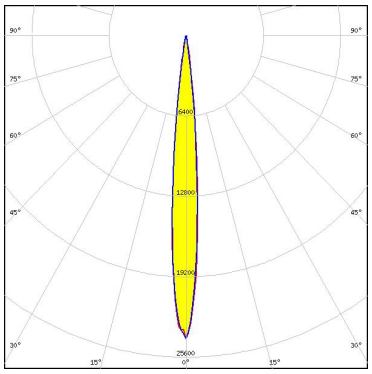
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OPTICAL RESULTS (MEASURED):

NICHIA

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

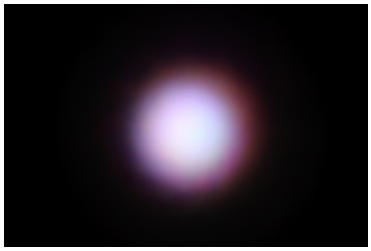


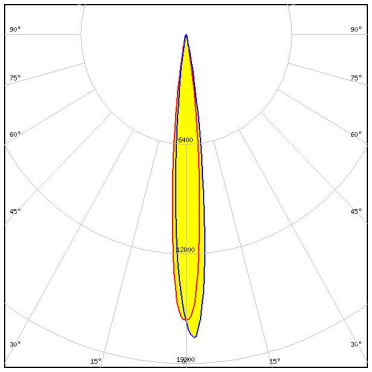


Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Pure 1414
Ordering code	15976
FWHM / FWTM	11.0° / 20.0°
Efficiency	87 %
Peak intensity	17.7 cd/lm
LEDs/each optic	4
Light colour/type	RGBW
Required components:	

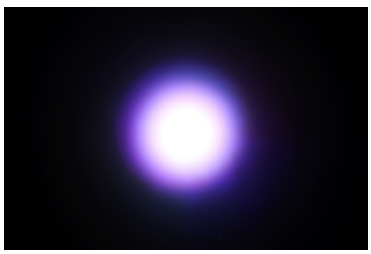


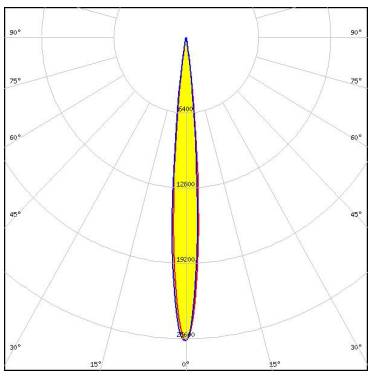


Light distribution files

OSRAM
Opto Semiconductors

LED	OSTAR Stage (S2WN)
FWHM / FWTM	10.0° / 17.0°
Efficiency	90 %
Peak intensity	25.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





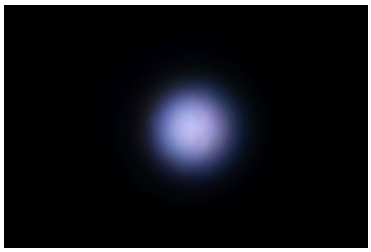
Light distribution files

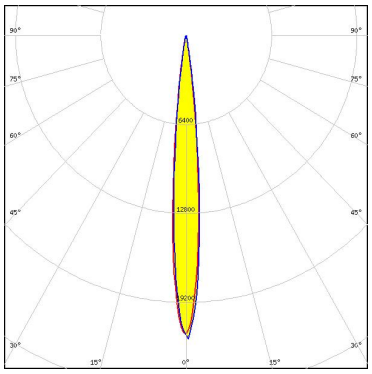
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OPTICAL RESULTS (MEASURED):

SEOUL SEMICONDUCTOR

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

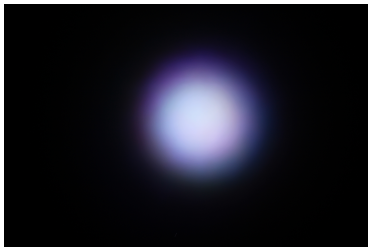


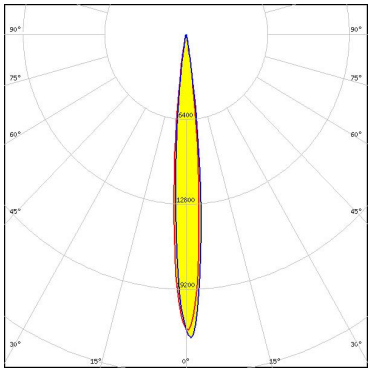


Light distribution files

SEOUL SEMICONDUCTOR

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

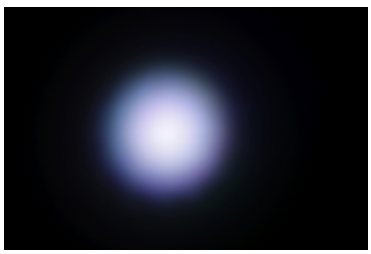


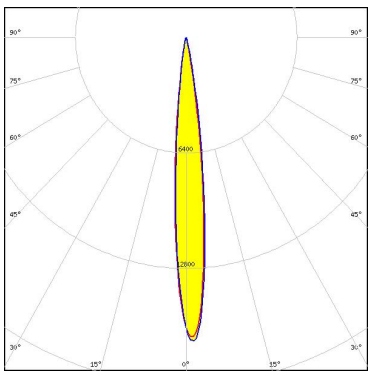


Light distribution files

SEOUL SEMICONDUCTOR

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





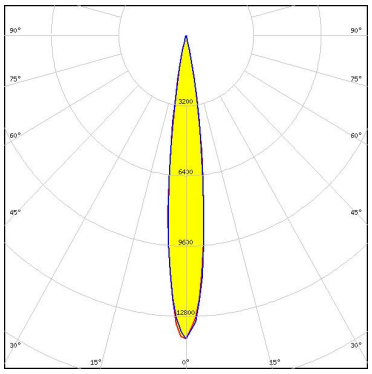
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

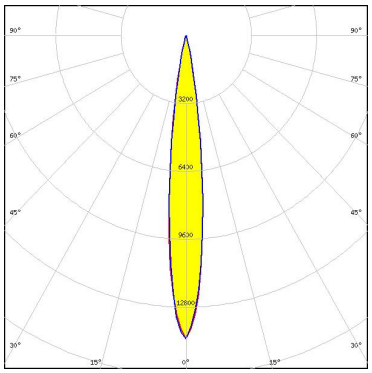
LED	XHP50
FWHM / FWTM	14.0° / 24.0°
Efficiency	89 %
Peak intensity	13.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

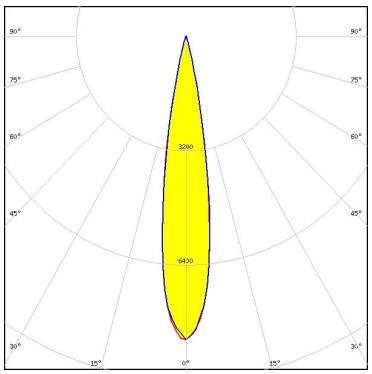
LED	XHP50.2
FWHM / FWTM	13.0° / 24.0°
Efficiency	91 %
Peak intensity	14.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

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



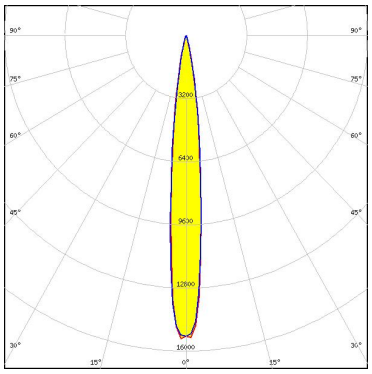
Light distribution files

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OPTICAL RESULTS (SIMULATED):

CREE LEDs

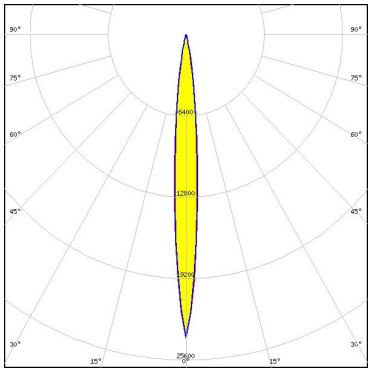
LED	XM-L RGBW (XMLCTW)
FWHM / FWTM	12.0° / 24.0°
Efficiency	93 %
Peak intensity	15.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

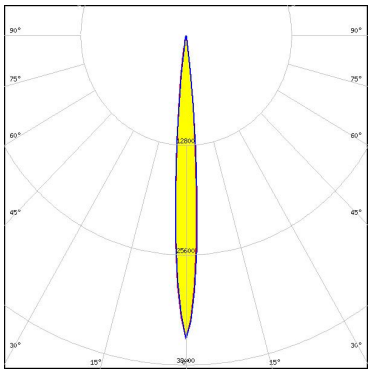
LED	XP-L HD
FWHM / FWTM	8.0° / 21.0°
Efficiency	92 %
Peak intensity	23.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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/type	White
Required components:	



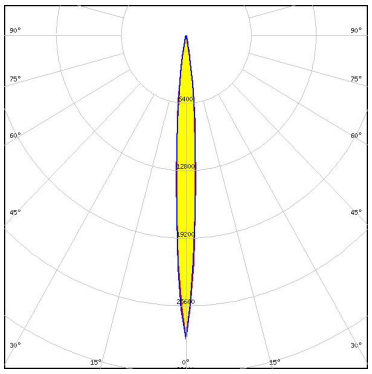
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OPTICAL RESULTS (SIMULATED):

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/type	White
Required components:	



Light distribution files

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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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