BILLIE-A

Asymmetric beam for billboards. Assembly with holder.



TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.5 mm
Height	16.1 mm
Fastening	pin
ROHS compliant	yes

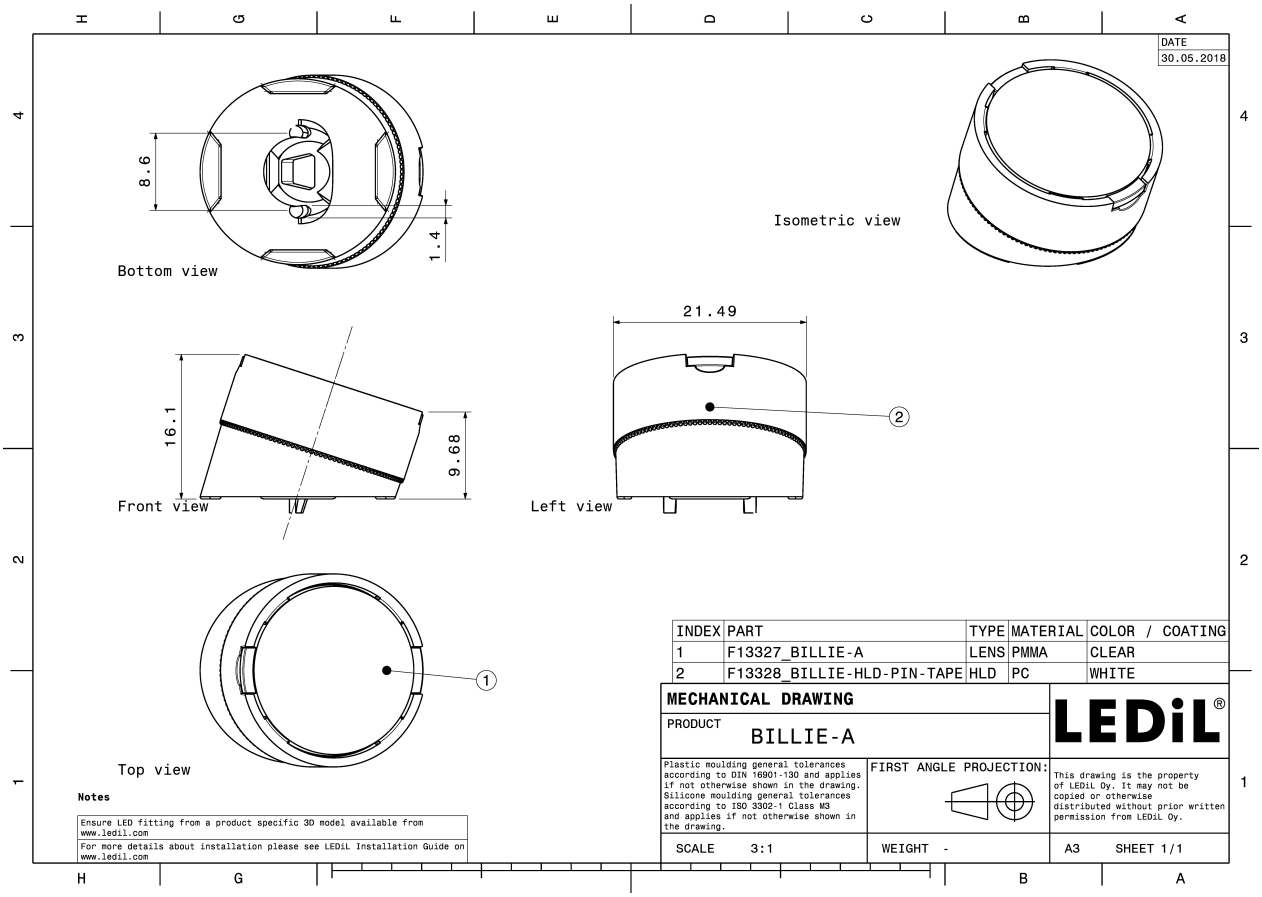
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
BILLIE-A	Single lens	PMMA	clear	
BILLIE-HLD-PIN-TAPE	Holder	PC	white	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FN13888_BILLIE-A	Single lens	1344	96	96	0.0
» Box size:					

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

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PHOTOMETRIC DATA (MEASURED):

CREE LED

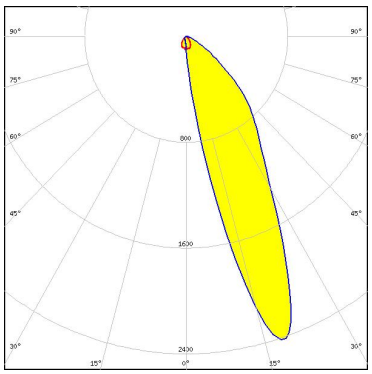
LED	XB-D
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE LED

LED	XP-E
FWHM / FWTM	Asymmetric
Efficiency	89 %
Peak intensity	2.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE LED

LED	XP-G
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

LUMILEDS

LED	LUXEON A
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

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PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED	LUXEON R
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

LUMILEDS

LED	LUXEON Rebel
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

LUMILEDS

LED	LUXEON Rebel ES
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

NICHIA

LED	NCSxx19A
FWHM / FWTM	Asymmetric
Efficiency	86 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

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PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NF2x757A
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

NICHIA

LED	NVSxx19A
FWHM / FWTM	Asymmetric
Efficiency	85 %
Peak intensity	1.9 cd/lm
LEDs/each optic	1
Light colour	White

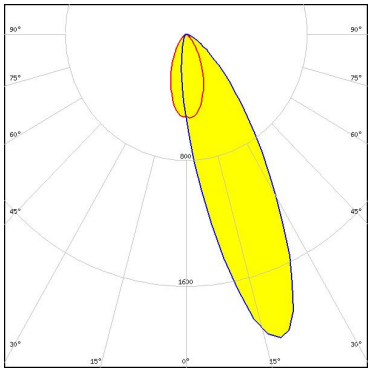
Required components:

OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:





OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

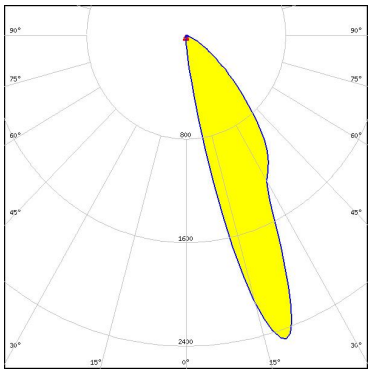
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PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White

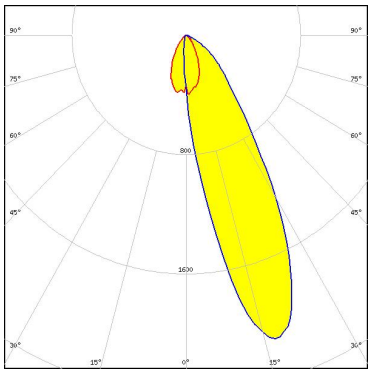
Required components:



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PHOTOMETRIC DATA (SIMULATED):

LED	NF2x757G
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	2.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



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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