BILLIE-A

Asymmetric beam for billboards. Assembly with holder and installation tape.

TECHNICAL SPECIFICATIONS:

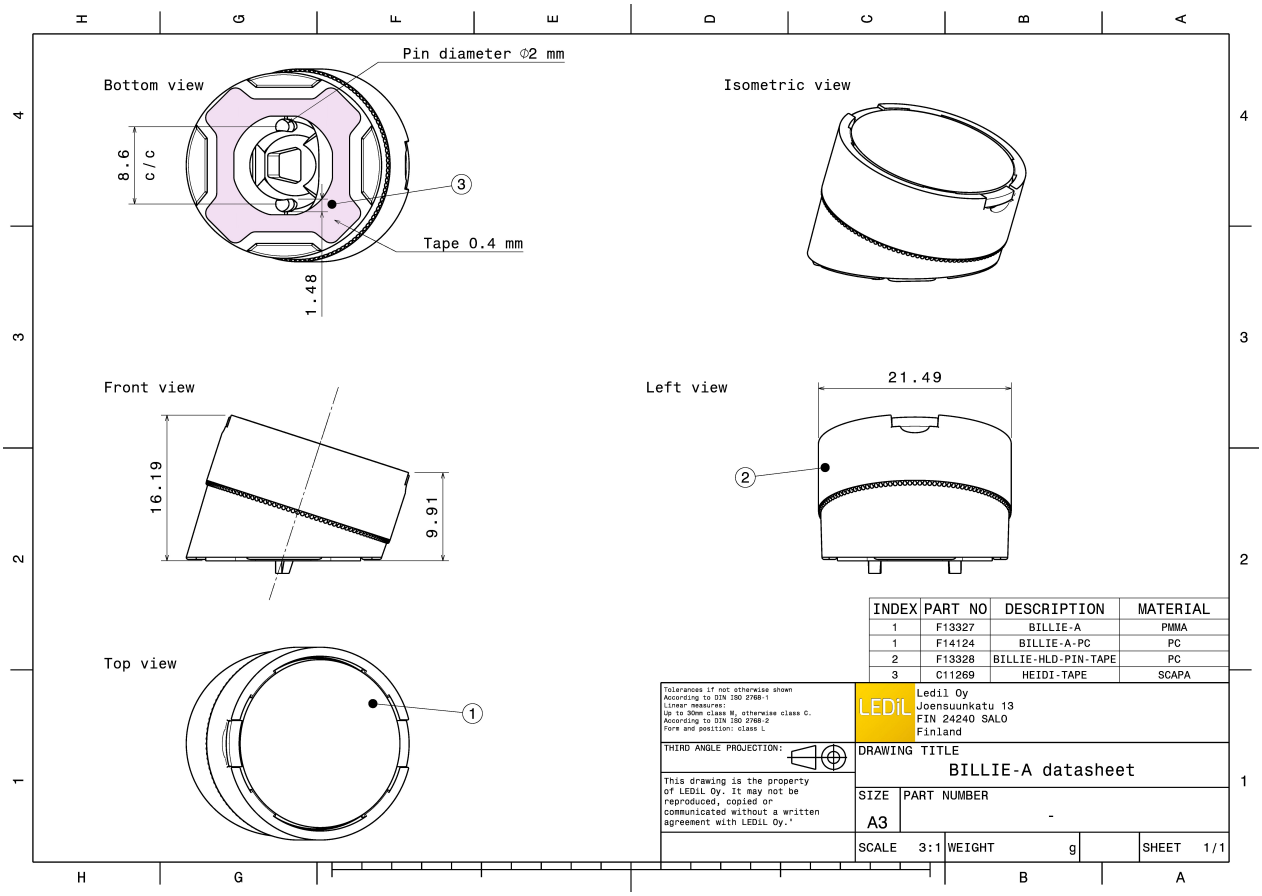
Dimensions	Ø 21.5 mm
Height	16.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
BILLIE-A	Single lens	PMMA		
BILLIE-HLD-PIN-TAPE	Holder	PC		
HEIDI-TAPE	Tape	PU tape		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA13329_BILLIE-A » Box size: 480 x 280 x 300 mm	Single lens	1792	336	112	7.9



INDEX	PART NO	DESCRIPTION	MATERIAL
1	F13327	BILLIE-A	PMMA
1	F14124	BILLIE-A-PC	PC
2	F13328	BILLIE-HLD-PIN-TAPE	PC
3	C11269	HEIDI-TAPE	SCAPA

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class H, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

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LEDiL
Ledil Oy
Joensuunkatu 13
FIN 24240 SALO
Finland

DRAWING TITLE
BILLIE-A datasheet

SIZE A3 | PART NUMBER -

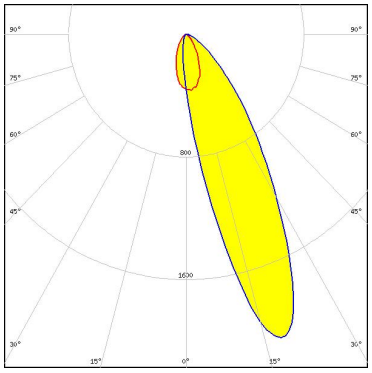
SCALE 3:1 | WEIGHT g | SHEET 1/1

PHOTOMETRIC DATA (MEASURED):

CREE

LED	XB-D
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	2.100 cd/lm
LEDs/each optic	1
Light colour	White

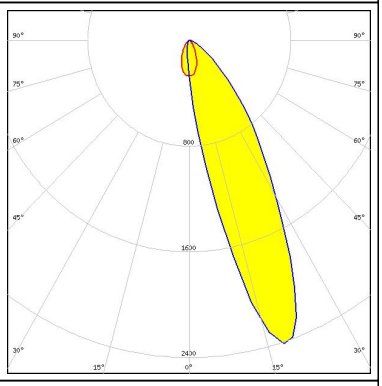
Required components:



CREE

LED	XP-E
FWHM	Asymmetric
Efficiency	89 %
Peak intensity	2.400 cd/lm
LEDs/each optic	1
Light colour	White

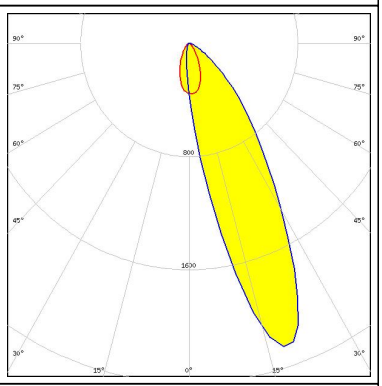
Required components:



CREE

LED	XP-G
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	2.200 cd/lm
LEDs/each optic	1
Light colour	White

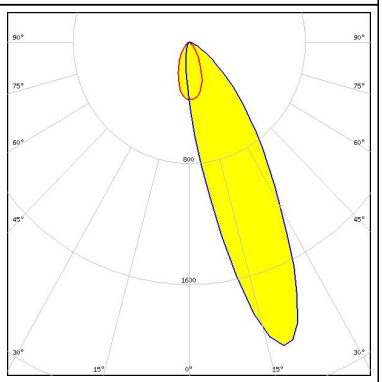
Required components:



LUMILEDS

LED	LUXEON A
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	2.100 cd/lm
LEDs/each optic	1
Light colour	White

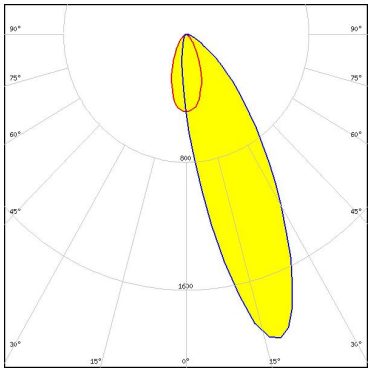
Required components:



PHOTOMETRIC DATA (MEASURED):

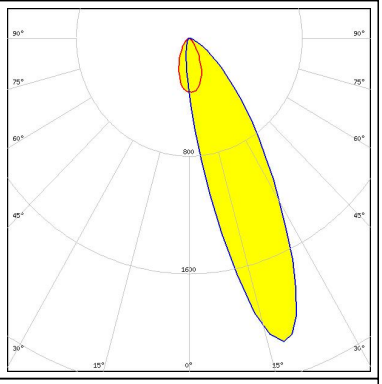
LUMILEDS

LED	LUXEON R
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	2.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



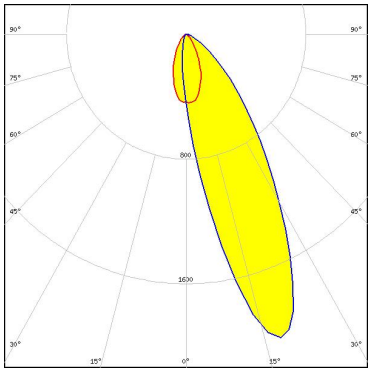
LUMILEDS

LED	LUXEON Rebel
FWHM	Asymmetric
Efficiency	87 %
Peak intensity	2.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



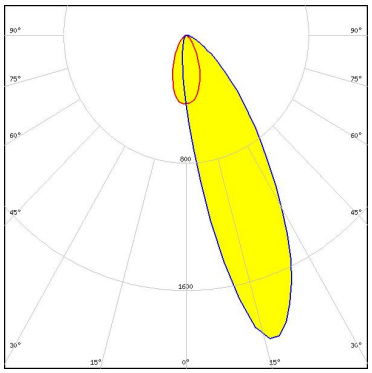
LUMILEDS

LED	LUXEON Rebel ES
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	2.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



NICHIA

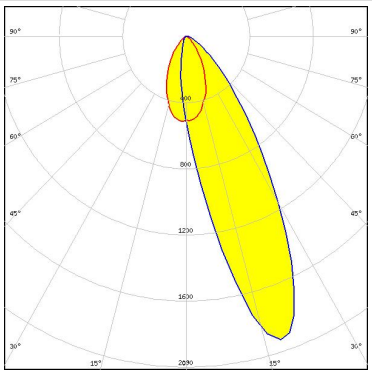
LED	NCSxx19A
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	2.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (MEASURED):

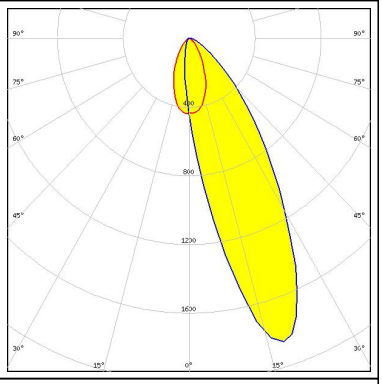
NICHIA

LED	NF2x757A
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	1.900 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



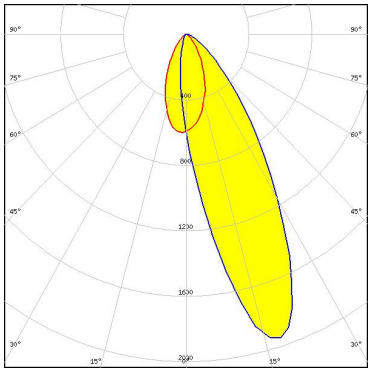
NICHIA

LED	NVSxx19A
FWHM	Asymmetric
Efficiency	85 %
Peak intensity	1.900 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



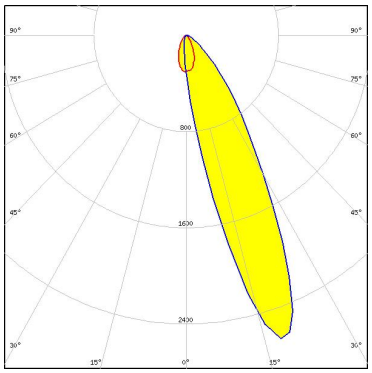
OSRAM
Opto Semiconductors

LED	Duris S5 (2 chip)
FWHM	Asymmetric
Efficiency	90 %
Peak intensity	2.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	2.700 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	

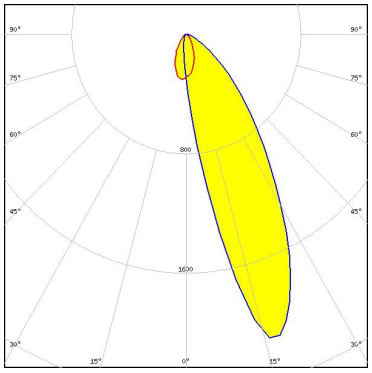


PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM	Asymmetric
Efficiency	88 %
Peak intensity	2.100 cd/lm
LEDs/each optic	1
Light colour	White

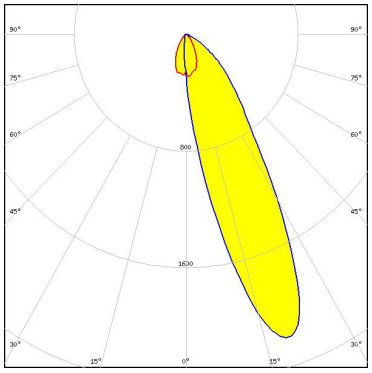
Required components:



PHOTOMETRIC DATA (SIMULATED):

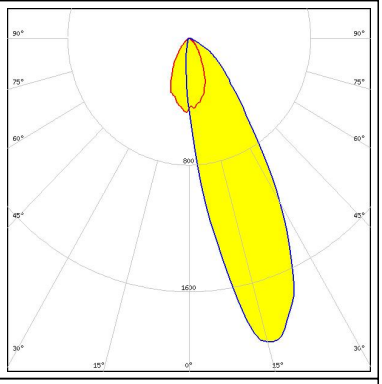
LUMILEDS

LED	LUXEON TX
FWHM	Asymmetric
Efficiency	91 %
Peak intensity	2.200 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



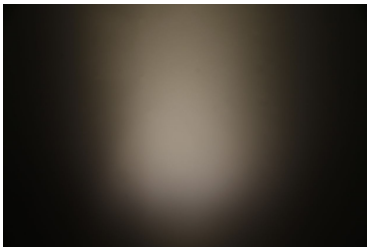
NICHIA

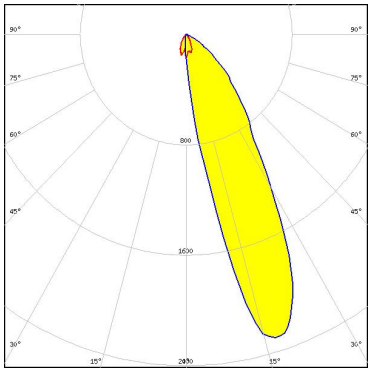
LED	NF2x757G
FWHM	Asymmetric
Efficiency	93 %
Peak intensity	2.000 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM	Asymmetric
Efficiency	86 %
Peak intensity	2.290 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:

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