FLORENTINA-HLD-BW

~60° batwing beam

SPECIFICATION:

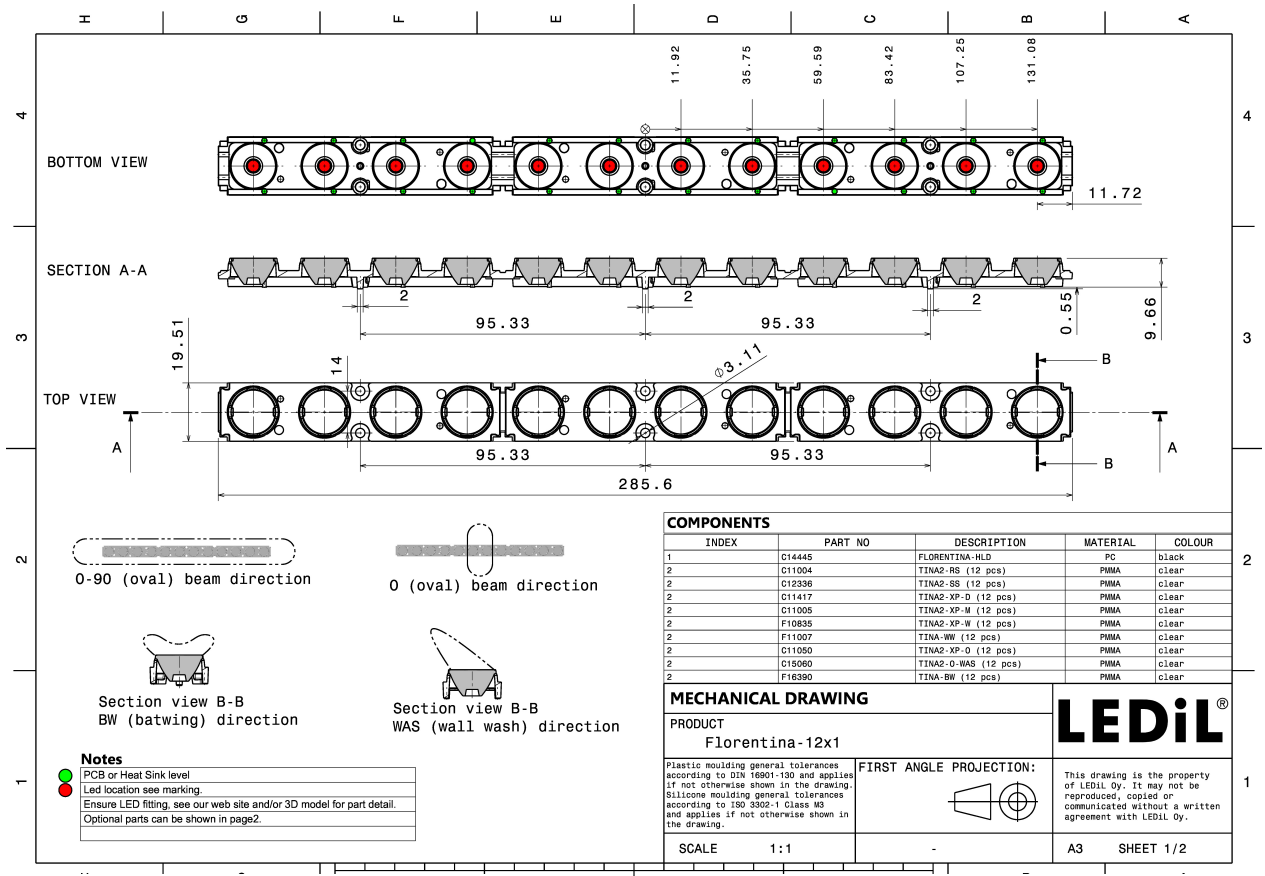
Dimensions	285.6 x 19.5 mm
Height	10.2 mm
Fastening	clips
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-BW	Single lens	PMMA	clear		14.8
FLORENTINA-HLD	Holder	PC	black		285.6

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FP16391_FLORENTINA-HLD-BW » Box size: 398 x 298 x 140 mm	Single lens	160	32	16	3.6



COMPONENTS

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C14445	FLORENTINA-HLD	PC	black
2	C11004	TINA2-RS (12 pcs)	PMMA	clear
2	C12336	TINA2-SS (12 pcs)	PMMA	clear
2	C11417	TINA2-XP-D (12 pcs)	PMMA	clear
2	C11005	TINA2-XP-M (12 pcs)	PMMA	clear
2	F10835	TINA2-XP-W (12 pcs)	PMMA	clear
2	F11007	TINA-WW (12 pcs)	PMMA	clear
2	C11050	TINA2-XP-O (12 pcs)	PMMA	clear
2	C15060	TINA2-O-WAS (12 pcs)	PMMA	clear
2	F16390	TINA-BW (12 pcs)	PMMA	clear

MECHANICAL DRAWING

PRODUCT
Florentina-12x1

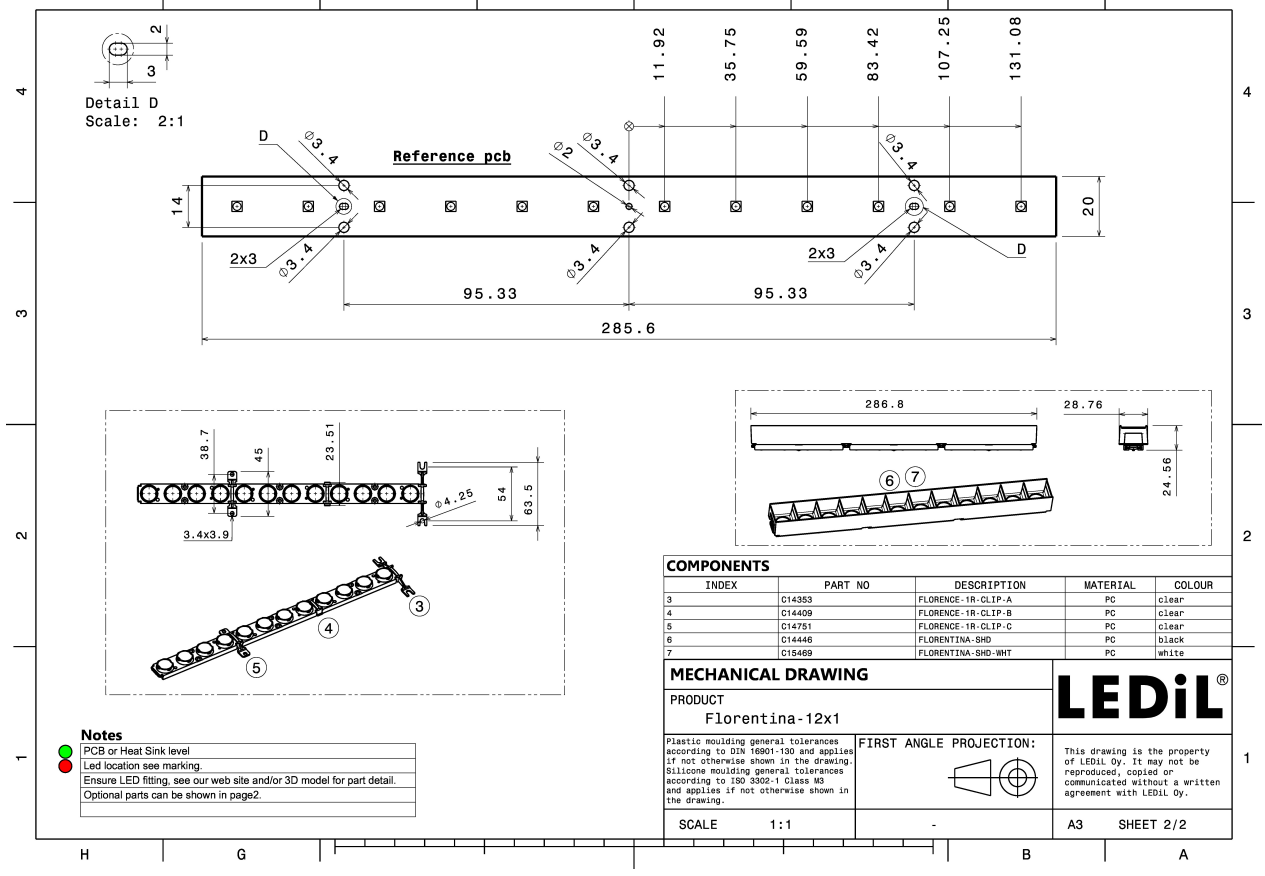
Plastic moulding general tolerances according to DIN 16901-130 and applies if not otherwise shown in the drawing. Silicone moulding general tolerances according to ISO 3302-1 Class M3 and applies if not otherwise shown in the drawing.

FIRST ANGLE PROJECTION:

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

Notes

PCB or Heat Sink level
Led location see marking.
Ensure LED fitting, see our web site and/or 3D model for part detail.
Optional parts can be shown in page2.



COMPONENTS

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
3	C14353	FLORENCE-1R-CLIP-A	PC	clear
4	C14409	FLORENCE-1R-CLIP-B	PC	clear
5	C14751	FLORENCE-1R-CLIP-C	PC	clear
6	C14446	FLORENTINA-SHD	PC	black
7	C15469	FLORENTINA-SHD-WHT	PC	white

MECHANICAL DRAWING

PRODUCT
Florentina-12x1

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:

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

Notes

PCB or Heat Sink level
Led location see marking.
Ensure LED fitting, see our web site and/or 3D model for part detail.
Optional parts can be shown in page2.

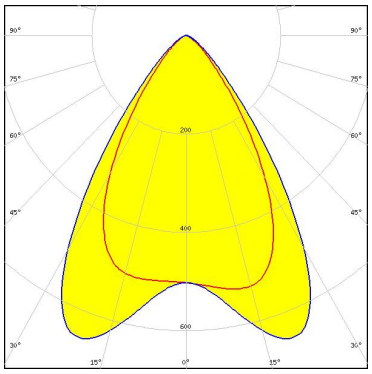
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	80 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White

Required components:

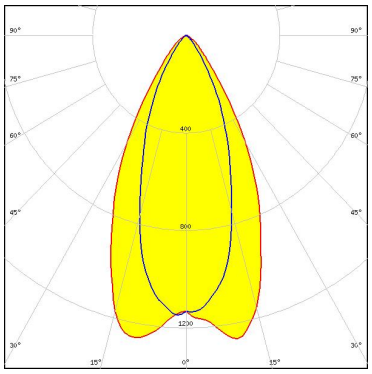


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

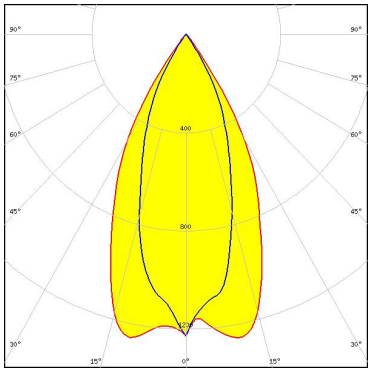
LED	J Series 3030
FWHM / FWTM	Asymmetric
Efficiency	91 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

LED	J Series 3030
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	



Light distribution files

CREE LEDs

LED	XP-G3
FWHM / FWTM	Asymmetric
Efficiency	77 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	

Light distribution files

OPTICAL RESULTS (SIMULATED):

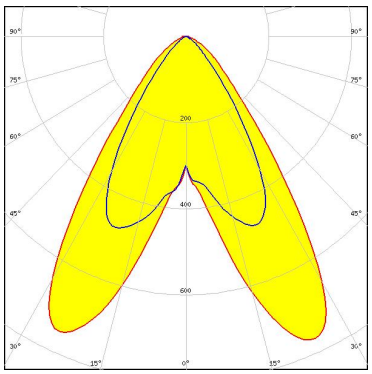
CREE LEDs

LED	XP-G4
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	

Light distribution files

LUMILEDS

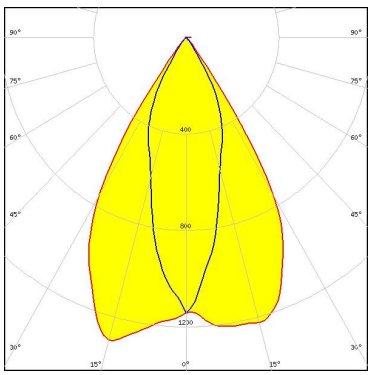
LED	LUXEON HL2X
FWHM / FWTM	Asymmetric
Efficiency	87 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

LED	NCSxE17A
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	

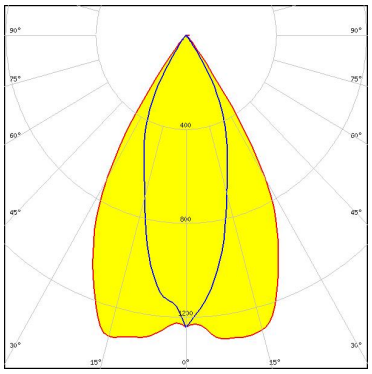


Light distribution files

OPTICAL RESULTS (SIMULATED):

NICHIA

LED	NVSxE21A
FWHM / FWTM	Asymmetric
Efficiency	94 %
Peak intensity	1.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	



Light distribution files

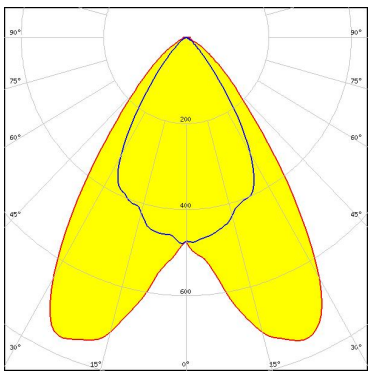
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	Asymmetric
Efficiency	78 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	

Light distribution files

OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	Asymmetric
Efficiency	88 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON SSL 150
FWHM / FWTM	Asymmetric
Efficiency	82 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	

Light distribution files

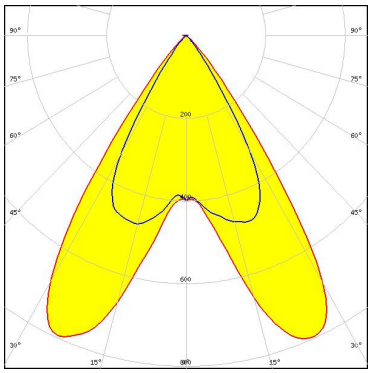
OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	Asymmetric
Efficiency	79 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	

Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	Asymmetric
Efficiency	76 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	
C14446_FLORENTINA-SHD	



Light distribution files

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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