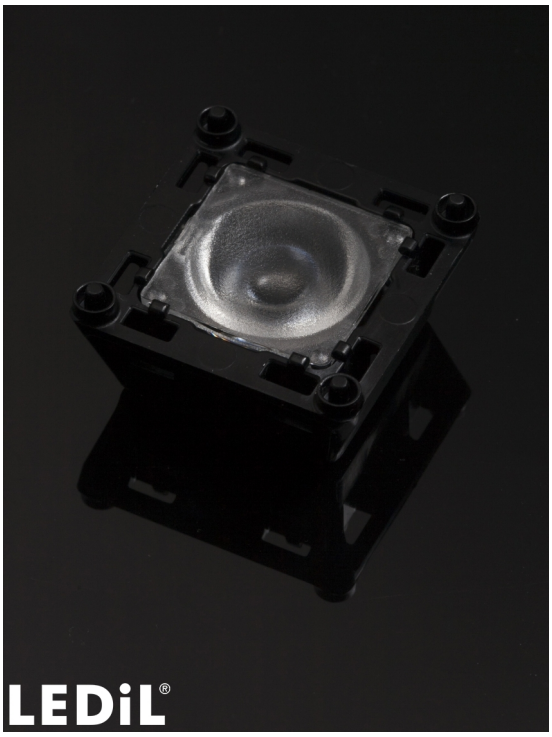
FLORENTINA-1-MRK-BW

~60° batwing beam compatible with ultra high power LEDs.



TECHNICAL SPECIFICATIONS:

Dimensions	39.7 x 39.7 mm
Height	17.6 mm
Fastening	tape, pin
ROHS compliant	yes

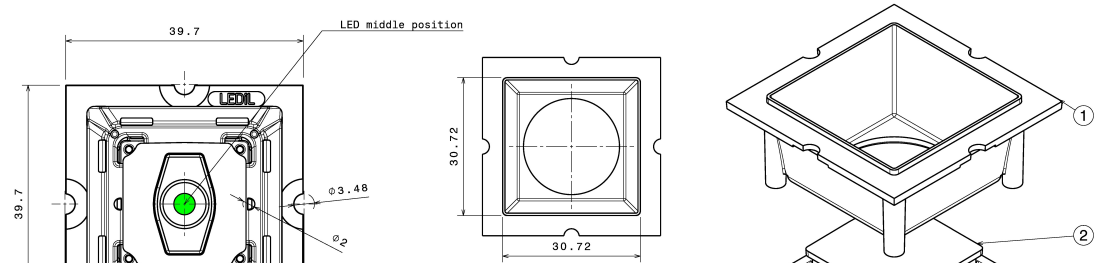
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
ROSE-MRK-BW	Single lens	PC	clear	
FLORENTINA-1-HLD	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	

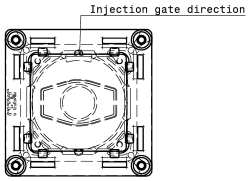
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15702_FLORENTINA-1-MRK-BW » Box size: 480 x 280 x 300 mm	Single lens	840	60	60	7.9

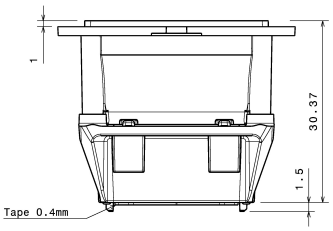
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Bottom view
Scale: 2:1



Top view
Scale: 3:2



Front view
Scale: 2:1

Assembly:

1. Press holder firmly five seconds (with lenses assembled) to PCB. Inspect that the positioning pins are securely in their holes.
2. Press the shade firmly down on the holder until they are securely attached.

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1		FLORENTINA-1-SHD	PC	black
2		Rose-CMC series		
3	C15426	FLORENTINA-1-HLD	PC	black
4	C10278	ROSE-TAPE	PU 2-sided adhesive foam tape	

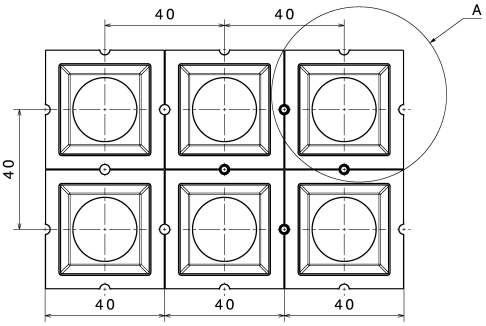
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

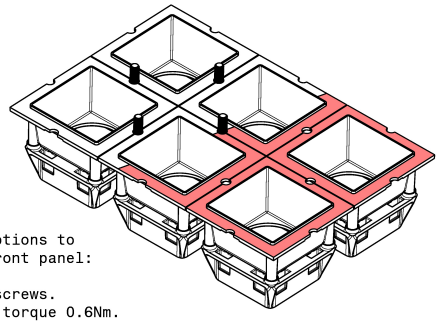
THIRD ANGLE PROJECTION:

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LEDiL
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Salorankatu 10
FIN 24240 SALO
Finland

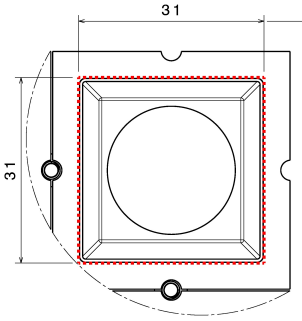
DRAWING TITLE: Florentina-1_AssemblyGuide
SIZE: A3
PART NUMBER: -
SCALE: 2:1
WEIGHT: -
SHEET: 1/1





Fastening options to customers front panel:

Glue or M3 screws.
Recommended torque 0.6Nm.



Recommended to customer use 31x31mm opening in front panel

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

THIRD ANGLE PROJECTION:

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DRAWING TITLE: Florentina-1_AssemblyGuide
SIZE: A3
PART NUMBER: -
SCALE: 2:1
WEIGHT: -
SHEET: 1/1

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

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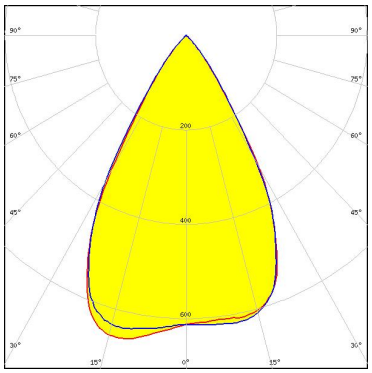
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XHP50.2
FWHM / FWTM	62.0° / 81.0°
Efficiency	61 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



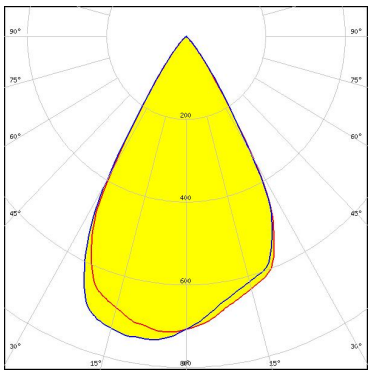


CREE LED

LED	XP-G3
FWHM / FWTM	60.0° / 76.0°
Efficiency	64 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



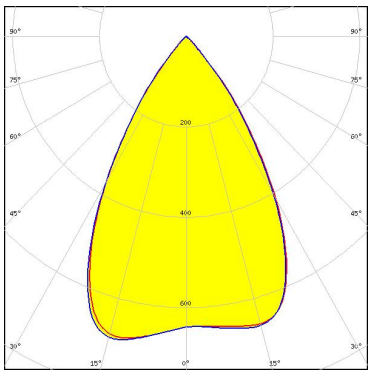


LUMILEDS

LED	LUXEON M/MX
FWHM / FWTM	64.0° / 84.0°
Efficiency	63 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



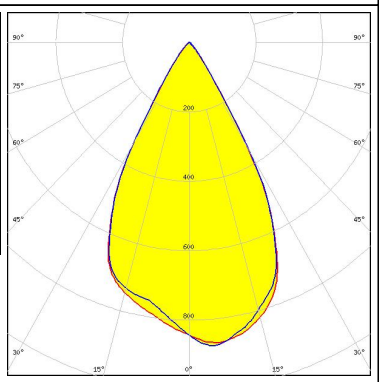


NICHIA

LED	NF2x757G
FWHM / FWTM	57.0° / 73.0°
Efficiency	71 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C16701_FLORENTINA-1-SHD-60-WHT





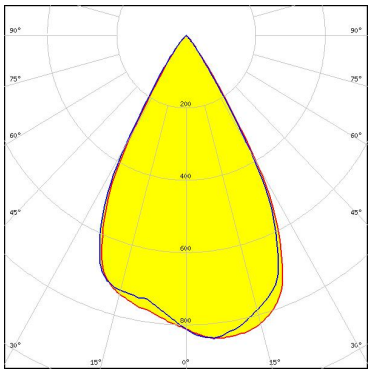
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PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NF2x757G
FWHM / FWTM	59.0° / 74.0°
Efficiency	69 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60

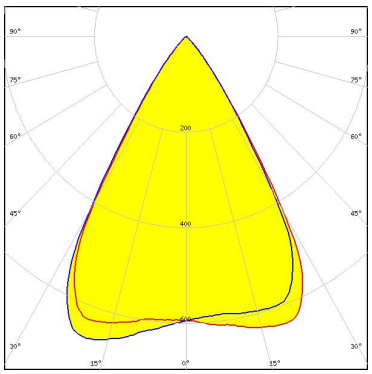


NICHIA

LED	NVSW319B
FWHM / FWTM	63.0° / 80.0°
Efficiency	66 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



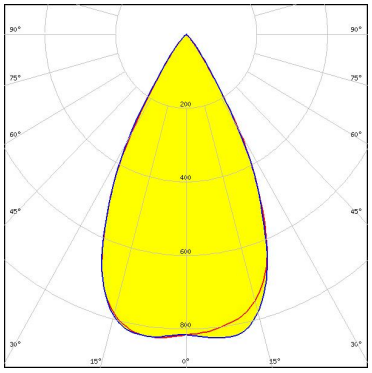


OSRAM
Opto Semiconductors

LED	Duris S8
FWHM / FWTM	55.0° / 74.0°
Efficiency	66 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



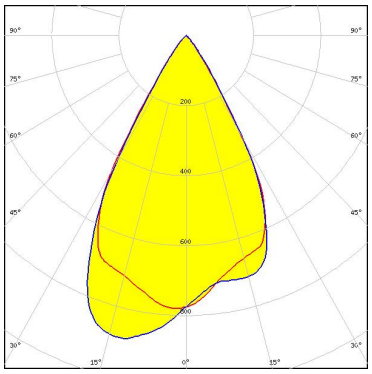


SAMSUNG

LED	LM561B
FWHM / FWTM	59.0° / 74.0°
Efficiency	68 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60





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PHOTOMETRIC DATA (MEASURED):

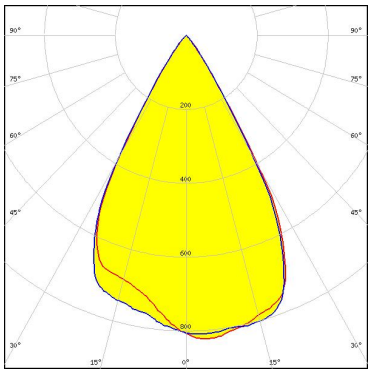
SEOUL SEMICONDUCTOR

LED	SEOUL 5630
FWHM / FWTM	59.0° / 74.0°
Efficiency	70 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C15427_FLORENTINA-1-SHD-60



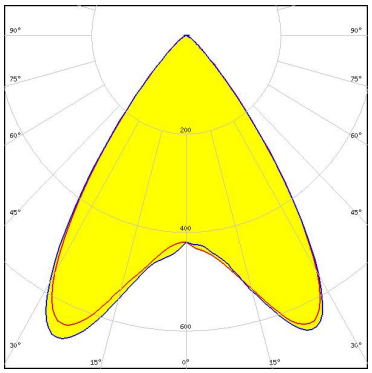


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PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LH351B
FWHM / FWTM	72.0° / 94.0°
Efficiency	82 %
Peak intensity	0.7 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:

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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
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