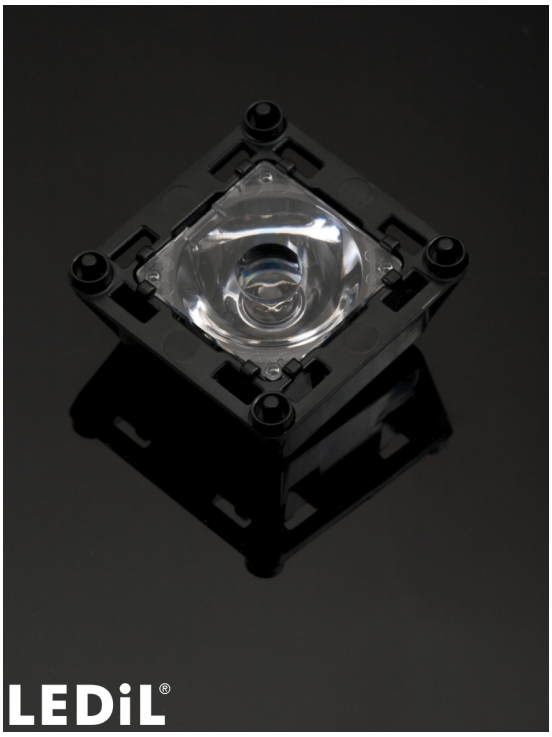
FLORENTINA-1-RS

~10° real spot beam



TECHNICAL SPECIFICATIONS:

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

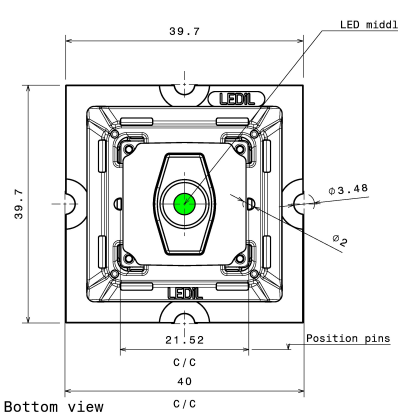
MATERIAL SPECIFICATIONS:

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

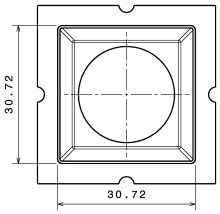
ORDERING INFORMATION:

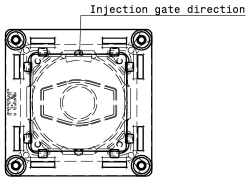
Component		Qty in box	MOQ	MPQ	Box weight (kg)
FCA15449_FLORENTINA-1-RS » Box size: 480 x 280 x 300 mm	Single lens	840		60	7.9

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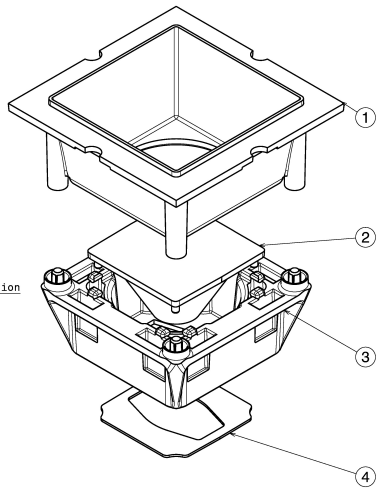


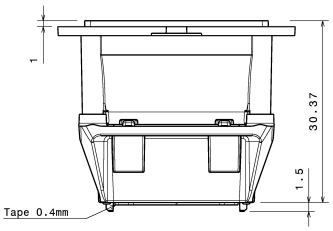
Bottom view
Scale: 2:1





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	

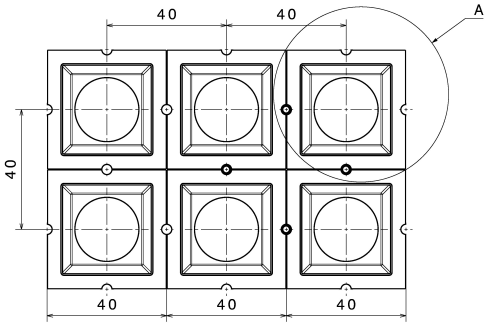
Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class M, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

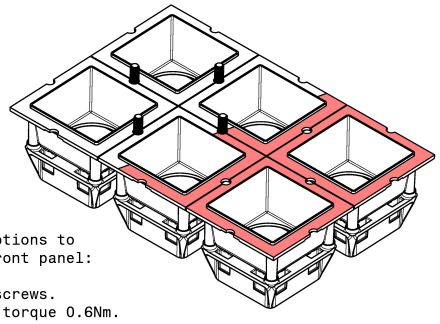
THIRD ANGLE PROJECTION:

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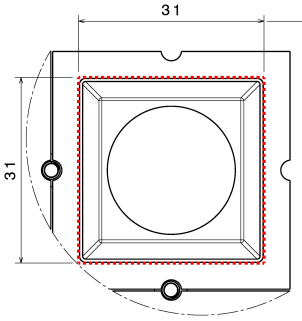
DRAWING TITLE: Florentina-1_AssemblyGuide
SIZE: A3
PART NUMBER: -
SCALE: 2:1
WEIGHT: -
SHEET: 1/1





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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Finland

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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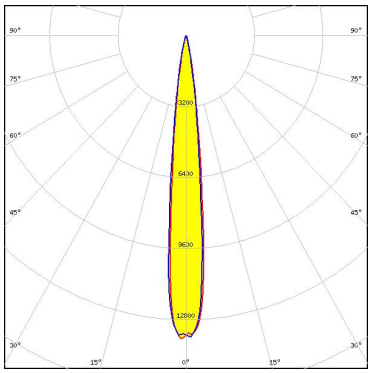
PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XHP35 HI
FWHM / FWTM	12.0° / 23.0°
Efficiency	81 %
Peak intensity	13.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



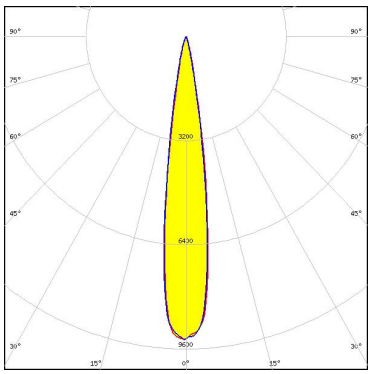


CREE LED

LED	XP-L HD
FWHM / FWTM	16.0° / 27.0°
Efficiency	80 %
Peak intensity	9.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60

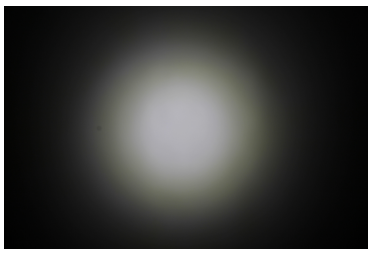


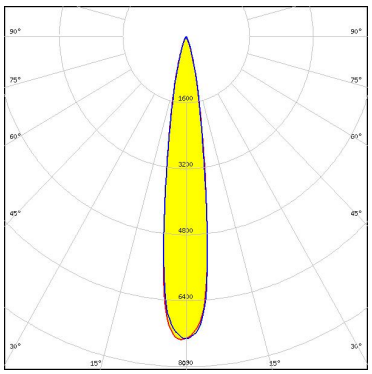


CREE LED

LED	XP-L2
FWHM / FWTM	16.0° / 32.0°
Efficiency	79 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



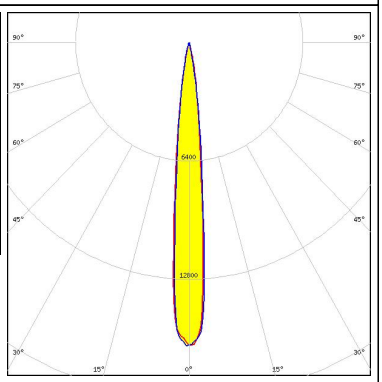


LUMILEDS

LED	LUXEON TX
FWHM / FWTM	11.0° / 22.0°
Efficiency	83 %
Peak intensity	16.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60





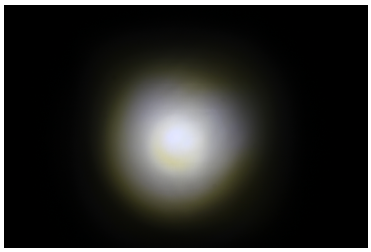
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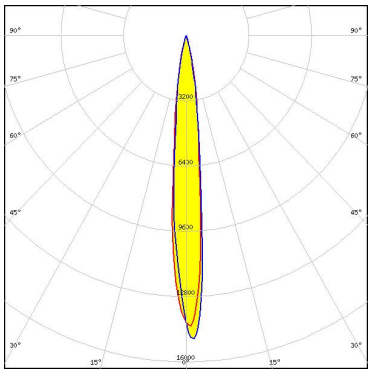
PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NF2x757G
FWHM / FWTM	27.0° / 44.0°
Efficiency	73 %
Peak intensity	3.5 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60

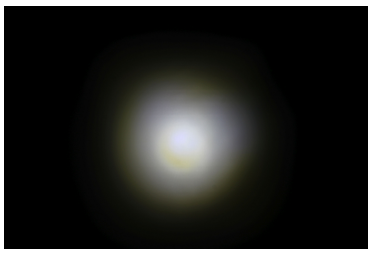


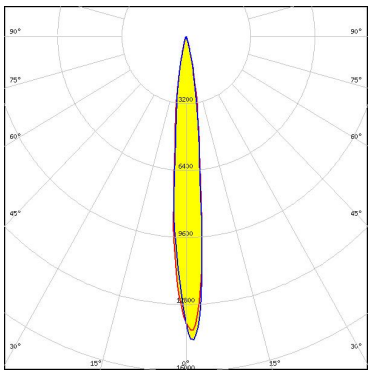


NICHIA

LED	NF2x757G
FWHM / FWTM	11.0° / 25.0°
Efficiency	83 %
Peak intensity	14.9 cd/lm
LEDs/each optic	1
Light colour	White

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



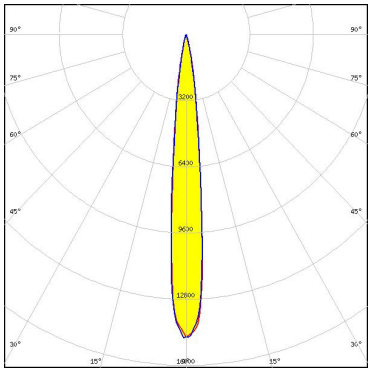


NICHIA

LED	NVSxx19B/NVSxx19C
FWHM / FWTM	11.0° / 23.0°
Efficiency	81 %
Peak intensity	14.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60



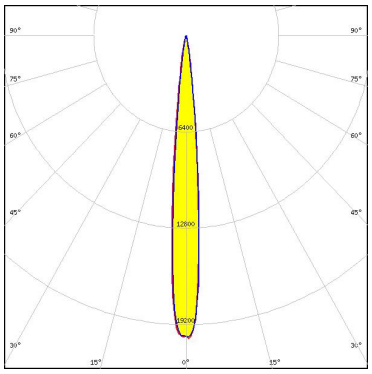


OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM / FWTM	10.0° / 19.0°
Efficiency	81 %
Peak intensity	20.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:
C15427_FLORENTINA-1-SHD-60





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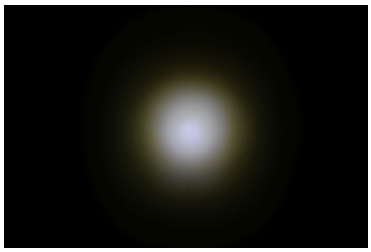
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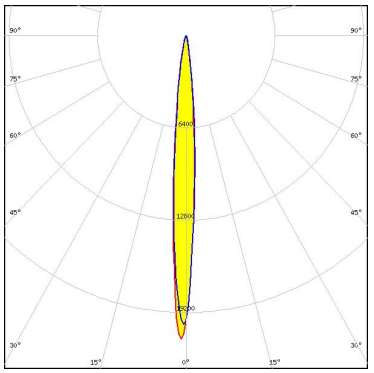
SAMSUNG

LED	LM561B
FWHM / FWTM	8.0° / 20.0°
Efficiency	84 %
Peak intensity	21.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C15427_FLORENTINA-1-SHD-60

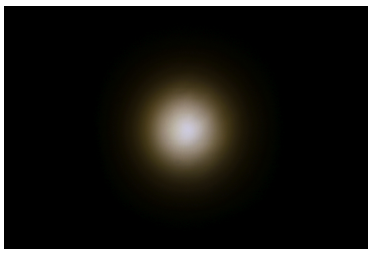


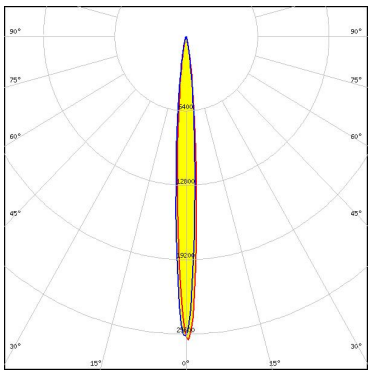


SEOUL SEMICONDUCTOR

LED	SEOUL 5630
FWHM / FWTM	8.0° / 18.0°
Efficiency	87 %
Peak intensity	26.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



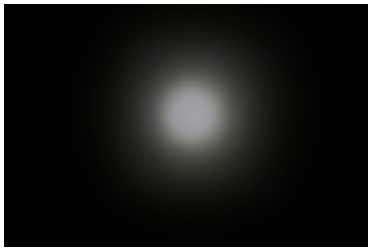


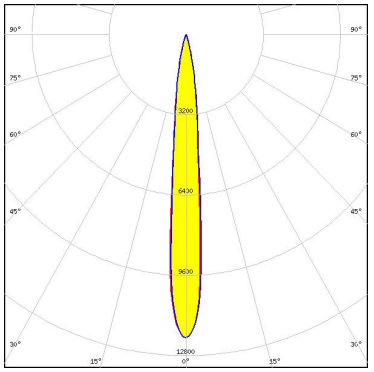
SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	11.0° / 26.0°
Efficiency	77 %
Peak intensity	12.1 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

C15427_FLORENTINA-1-SHD-60



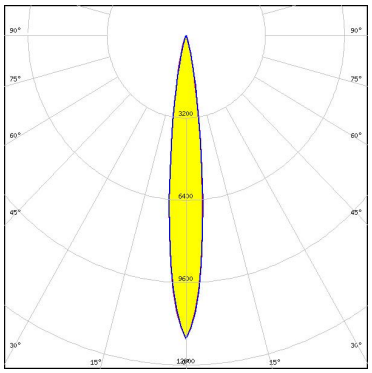


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PHOTOMETRIC DATA (SIMULATED):

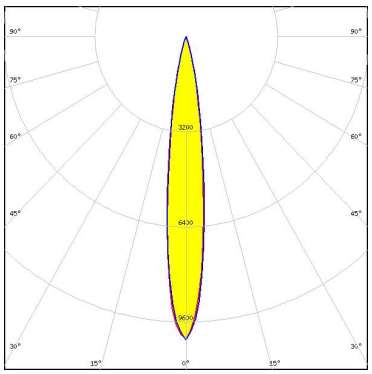
SEOUL SEMICONDUCTOR

LED	Z5M3
FWHM / FWTM	13.0° / 26.0°
Efficiency	85 %
Peak intensity	11.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	14.0° / 30.0°
Efficiency	85 %
Peak intensity	10.2 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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