LAURA-RS

~8° spot beam optimized for CREE XP-E. Assembly with black holder and installation tape.

TECHNICAL SPECIFICATIONS:

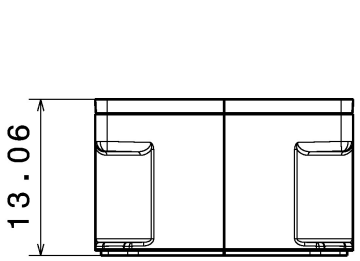
Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

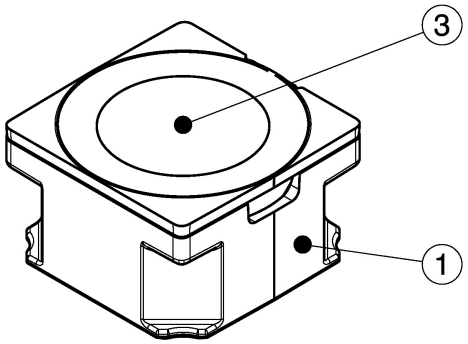
Component	Type	Material	Colour	Finish
LAURA-RS	Single lens	PMMA	clear	
LAURA-HLD-XP-BLK	Holder	PC	black	
ROSE-TAPE	Tape	Acrylic foam	black	

ORDERING INFORMATION:

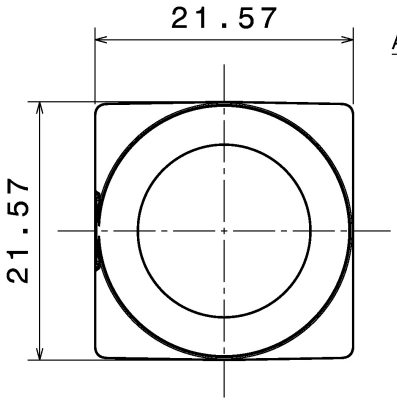
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11353_LAURA-RS » Box size: 451 x 254 x 152 mm	Single lens	1440	360	180	7.4



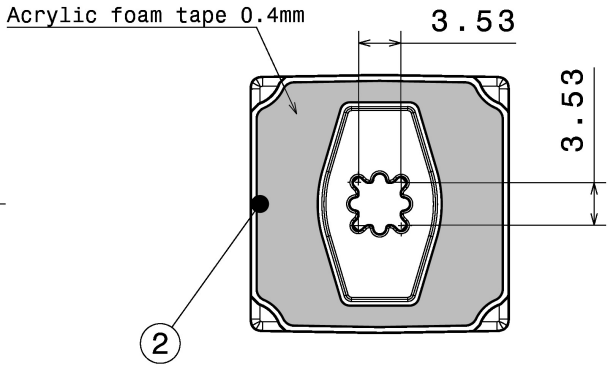
Front view



Isometric view
Scale: 2:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C11351	LAURA-HLD-XP-BLK	PC	BLACK
2	C10278	ROSE-TAPE	Acrylic foam	BLACK
3	-	Laura-mech	PMMA	CLEAR

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

Ledil Oy
Joensuunkatu 13
FIN 24100 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Laura-XP assembly

SIZE A4 | PART NUMBER -

SCALE 2:1 | WEIGHT 4,6 g | SHEET 1/1

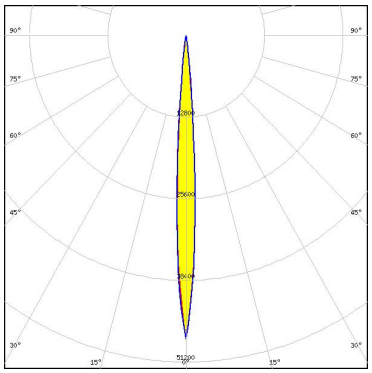
See also our general installation guide: www.ledil.com/installation_guide

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED	XP-E
FWHM / FWTM	8.0° / 14.0°
Efficiency	93 %
Peak intensity	41.8 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE LED

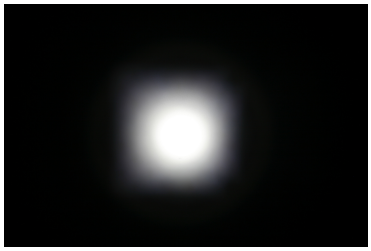
LED	XP-G
FWHM / FWTM	10.0° / 19.0°
Efficiency	93 %
Peak intensity	18.6 cd/lm
LEDs/each optic	1
Light colour	White

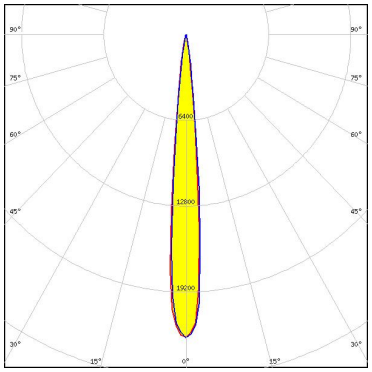
Required components:

CREE LED

LED	XP-G2
FWHM / FWTM	10.0° / 18.0°
Efficiency	93 %
Peak intensity	22.7 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

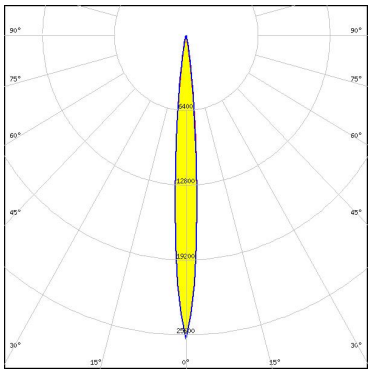




PHOTOMETRIC DATA (SIMULATED):

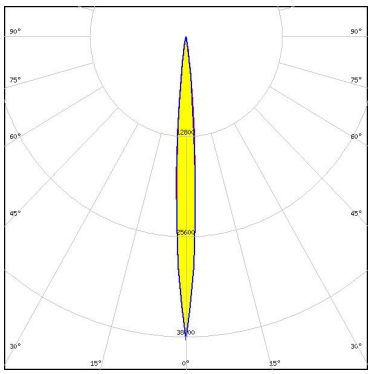
CREE LED

LED	XD16
FWHM / FWTM	8.0° / 18.0°
Efficiency	90 %
Peak intensity	25.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



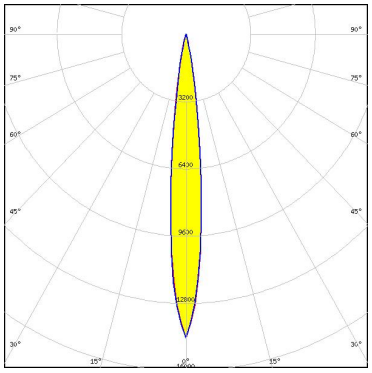
CREE LED

LED	XP-E2
FWHM / FWTM	8.0° / 16.0°
Efficiency	92 %
Peak intensity	38.8 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



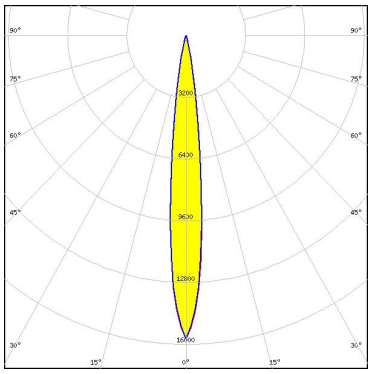
CREE LED

LED	XP-G3
FWHM / FWTM	12.0° / 24.0°
Efficiency	84 %
Peak intensity	14.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



LUMILEDS

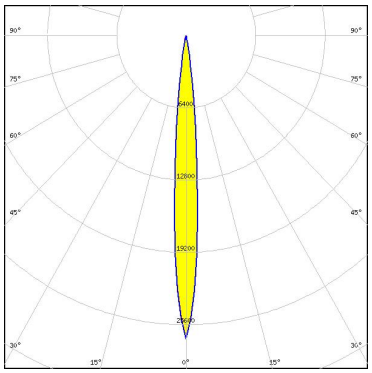
LED	LUXEON HL2X
FWHM / FWTM	12.0° / 24.0°
Efficiency	92 %
Peak intensity	15.7 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



PHOTOMETRIC DATA (SIMULATED):

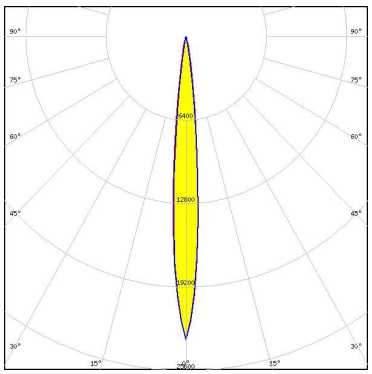
LUMINUS

LED	SST-20
FWHM / FWTM	10.0° / 18.0°
Efficiency	93 %
Peak intensity	26.9 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



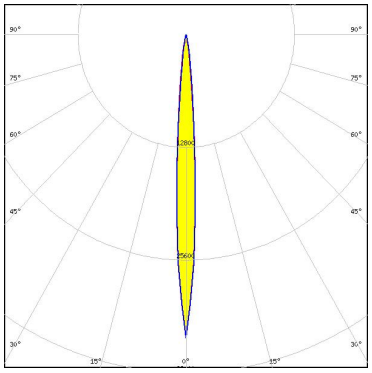
OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM / FWTM	10.0° / 19.0°
Efficiency	93 %
Peak intensity	23.3 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



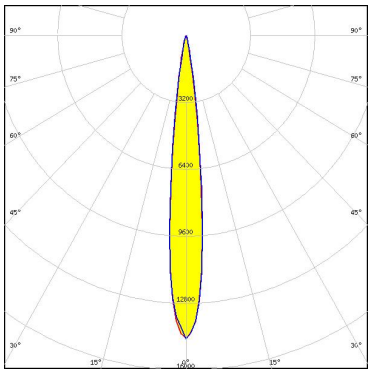
OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM / FWTM	8.0° / 16.0°
Efficiency	92 %
Peak intensity	34.4 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



SAMSUNG

LED	LH351C
FWHM / FWTM	12.0° / 22.0°
Efficiency	82 %
Peak intensity	14.5 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



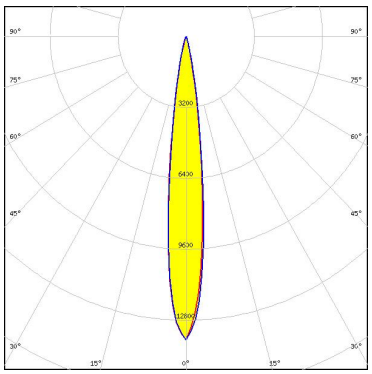
PHOTOMETRIC DATA (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z5
FWHM / FWTM	8.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

SEOUL SEMICONDUCTOR

LED	Z5M4
FWHM / FWTM	13.0° / 25.0°
Efficiency	93 %
Peak intensity	13.7 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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