LAURA-WW

~65° wide beam optimized for CREE XP-E. Assembly with black holder and installation tape.



SPECIFICATION:

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

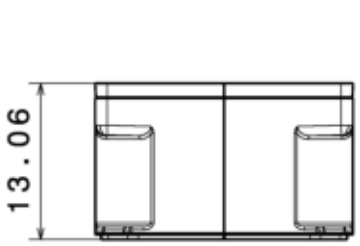
MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LAURA-WW	Single lens	PMMA			
LAURA-HLD-XP-BLK	Holder	PC	black		
ROSE-TAPE	Tape	Acryl tape	grey		

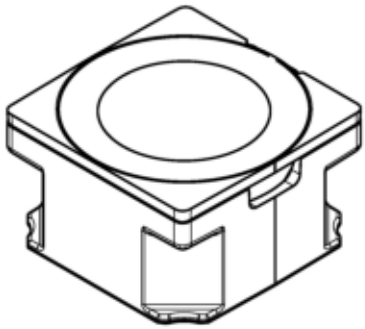
ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA11766_LAURA-WW	1440	360	180	7.5
» Box size:				

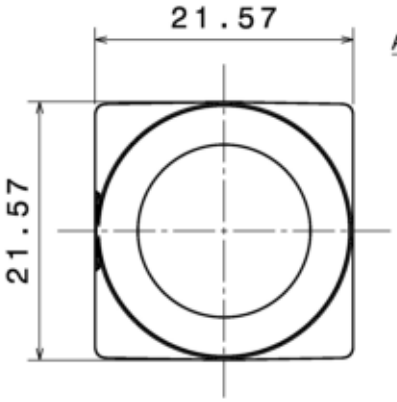
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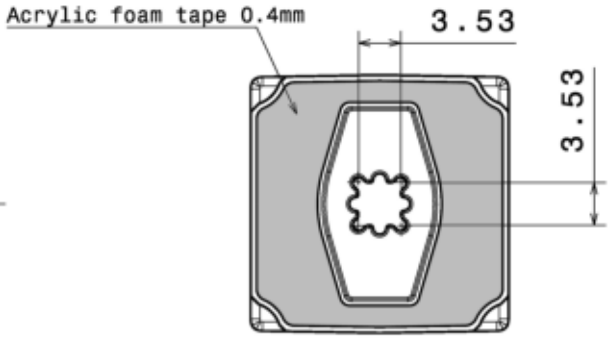
Front view



Isometric view
Scale: 2:1



Top view



Bottom view

INDEX	PART NO	DESCRIPTION	MATERIAL	COLOUR
1	C11351	LAURA-HLD-XP-BLK	PC	black
2	-	Laura-mech	PMMA	

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
Salorankatu 10
FIN 24240 SALO
Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Laura-XP assembly

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SIZE A4 | PART NUMBER -

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

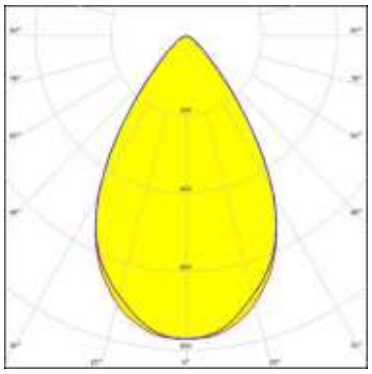
See also our general installation guide: www.ledil.com/installation_guide

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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-E
FWHM / FWTM	66.0° / 96.0°
Efficiency	86 %
Peak intensity	0.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



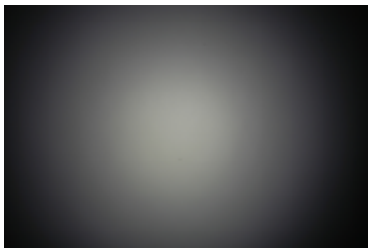
Light distribution files

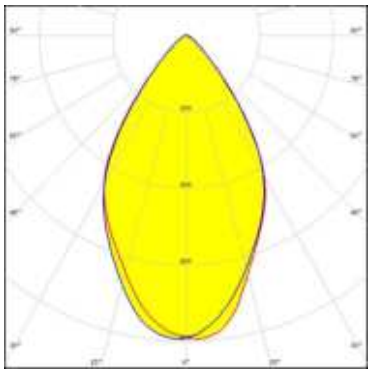
CREE LEDs

LED	XP-G
FWHM / FWTM	68.0° / 100.0°
Efficiency	86 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

CREE LEDs

LED	XP-G2
FWHM / FWTM	64.0° / 95.0°
Efficiency	84 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





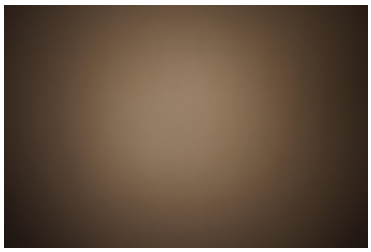
Light distribution files

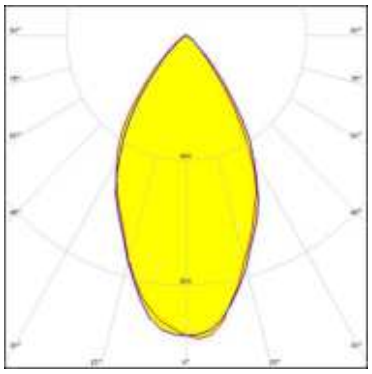
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OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XT-E
FWHM / FWTM	57.0° / 91.0°
Efficiency	87 %
Peak intensity	1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	





Light distribution files

SEOUL SEMICONDUCTOR

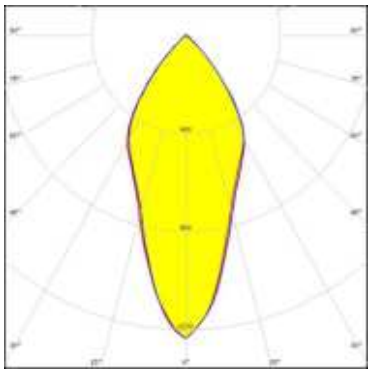
LED	Z5
FWHM / FWTM	62.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	White
Required components:	

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OPTICAL RESULTS (SIMULATED):

LUMINUS

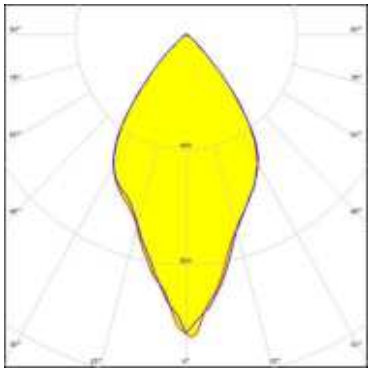
LED	SST-20 Gen1
FWHM / FWTM	42.0° / 90.0°
Efficiency	93 %
Peak intensity	1.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

OSRAM

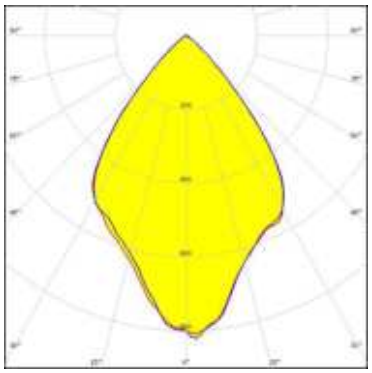
LED	OSLON Signal
FWHM / FWTM	60.0° / 92.0°
Efficiency	94 %
Peak intensity	1.1 cd/lm
LEDs/each optic	1
Light colour/type	Blue
Required components:	



Light distribution files

OSRAM

LED	OSLON SSL 80
FWHM / FWTM	73.0° / 97.0°
Efficiency	93 %
Peak intensity	0.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



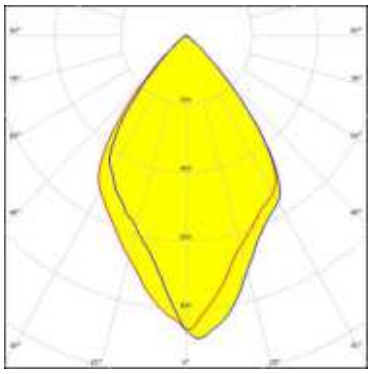
Light distribution files

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OPTICAL RESULTS (SIMULATED):

OSRAM

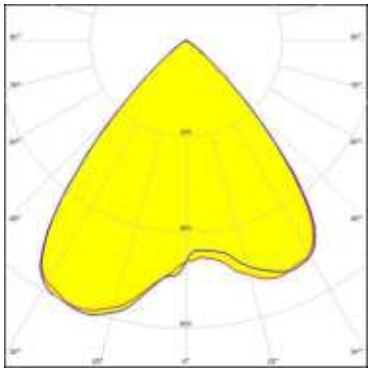
LED	OSLON SSL 80
FWHM / FWTM	70.0° / 96.0°
Efficiency	92 %
Peak intensity	0.9 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	



Light distribution files

OSRAM

LED	OSLON SSL 80
FWHM / FWTM	82.0° / 101.0°
Efficiency	92 %
Peak intensity	0.6 cd/lm
LEDs/each optic	1
Light colour/type	True Green
Required components:	



Light distribution files

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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 7
FI-24100 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
Poznan, Poland
Hong Kong, China

Distribution Partners
www.ledil.com/
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