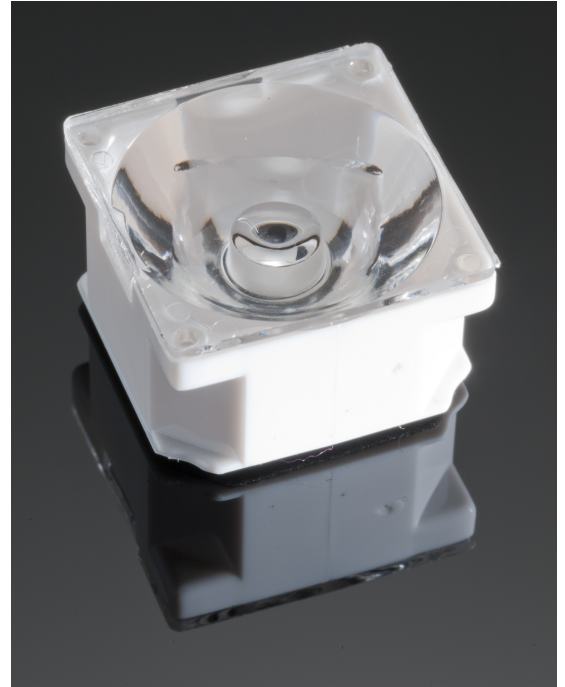


LAURA-RS-PIN

~8° spot beam optimized for CREE XP-E.
Assembly with white holder, installation tape
and location pins.

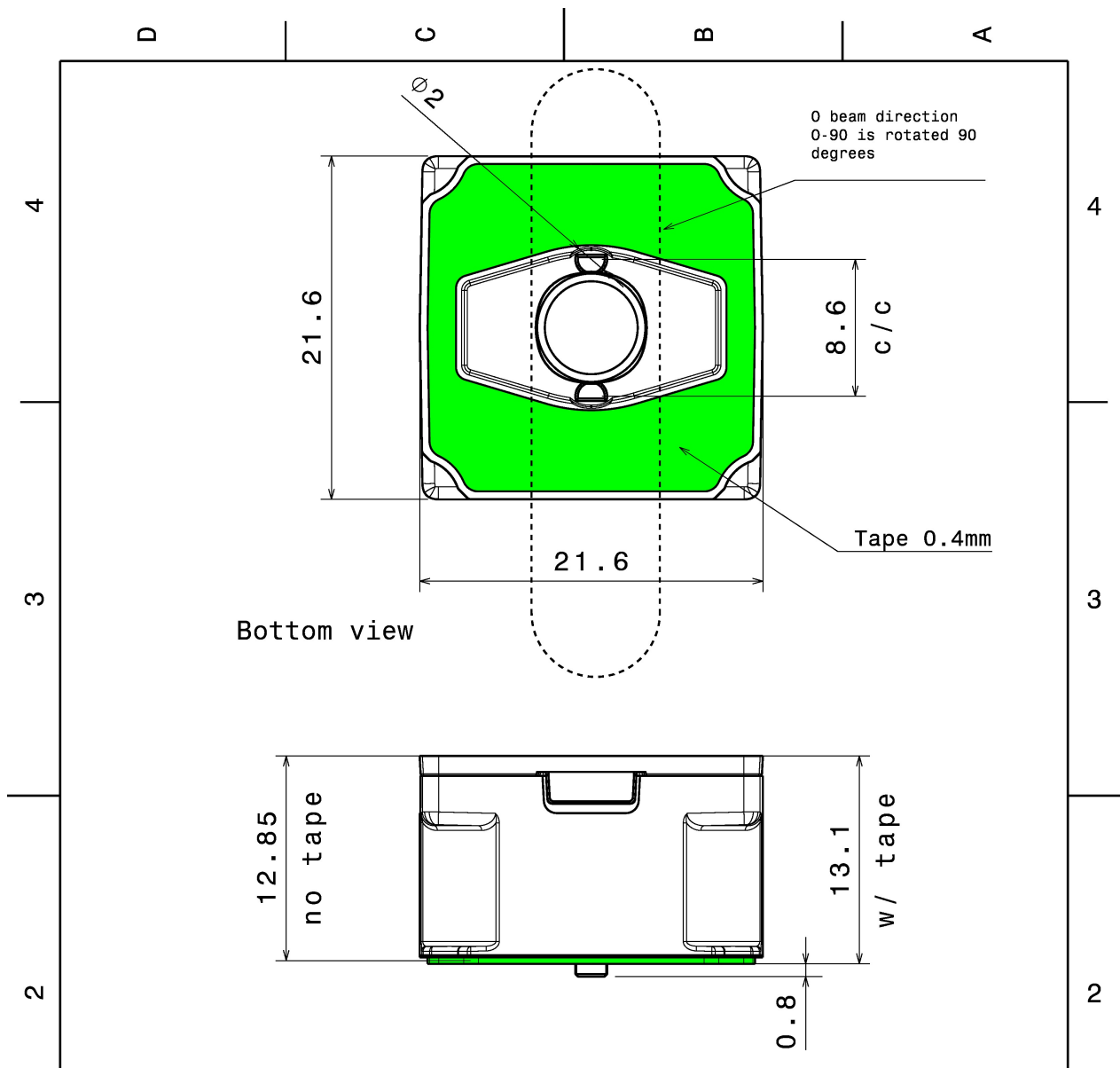
TECHNICAL SPECIFICATIONS:

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
Colour	white
Box size	
Box weight	7.6 kg
Quantity in Box	1440 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
LAURA-RS	Lens	PMMA	clear
LAURA-PIN-XP-HLD-WHT	Holder	PC	white
ROSE-TAPE	Tape	PU tape	black



Note: Pinless versions also available

INDEX	DESCRIPTION	MATERIAL	COLOUR
1	LAURA-lens	PMMA	
2	LAURA-XP holder	PC	white/black

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

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Finland

THIRD ANGLE PROJECTION:

DRAWING TITLE
Laura-XP family datasheet

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SIZE	PART NUMBER
A4	-

SCALE	1:1	WEIGHT	-	SHEET	1/1
-------	-----	--------	---	-------	-----

PHOTOMETRIC DATA (MEASURED):

CREE

LED XP-E
FWHM 8.0°
Efficiency 93 %
Peak intensity 33.200 cd/lm
Required components:

CREE

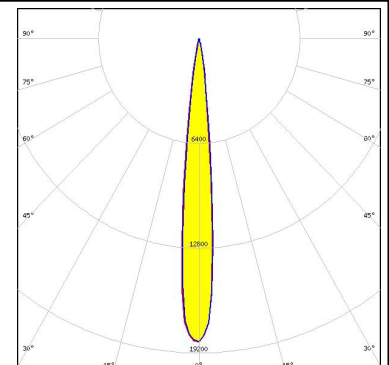
LED XP-G
FWHM 11.0°
Efficiency 93 %
Peak intensity cd/lm
Required components:

LUMILEDS

LED LUXEON Rebel
FWHM 7.0°
Efficiency 93 %
Peak intensity 34.000 cd/lm
Required components:

LUMILEDS

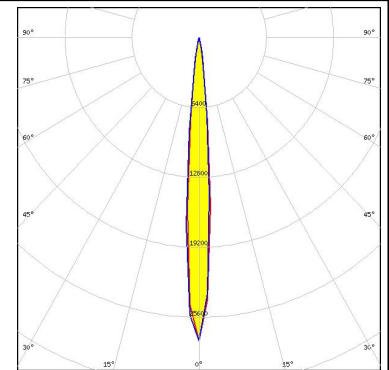
LED LUXEON T
FWHM 11.0°
Efficiency 92 %
Peak intensity 18.500 cd/lm
Required components:



PHOTOMETRIC DATA (MEASURED):



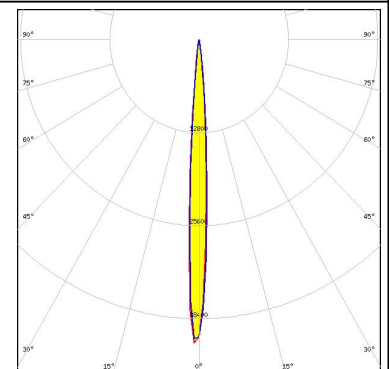
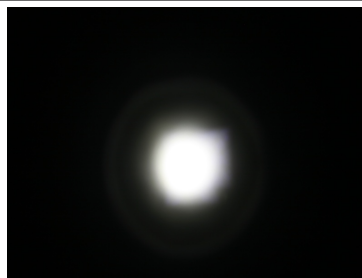
LED NCSxx19B
FWHM 10.0°
Efficiency 91 %
Peak intensity 27.800 cd/lm
Required components:



LED Oslon Square EC
FWHM 9.0°
Efficiency 93 %
Peak intensity 20.000 cd/lm
Required components:




LED Oslon SSL 150
FWHM 7.0°
Efficiency 92 %
Peak intensity 42.000 cd/lm
Required components:



LED SFH 4725S
FWHM 10.0°
Efficiency %
Peak intensity cd/lm
Required components:

PHOTOMETRIC DATA (MEASURED):

	
SEOUL SEMICONDUCTOR	
LED	Z5
FWHM	7.0°
Efficiency	%
Peak intensity	cd/lm
Required components:	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON H50-2
FWHM 12.0°
Efficiency 92 %
Peak intensity 16.300 cd/lm
Required components:

LUMILEDS

LED LUXEON IR Domed 150
FWHM 9.0°
Efficiency 0 %
Peak intensity 0.000 cd/lm
Required components:

LUMILEDS

LED LUXEON IR Domed 60
FWHM 9.2°
Efficiency 94 %
Peak intensity 0.000 cd/lm
Required components:

LUMILEDS

LED LUXEON IR Domed 90
FWHM 9.0°
Efficiency 94 %
Peak intensity 0.000 cd/lm
Required components:

PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED NVSxE21A FWHM 10.0° Efficiency 94 % Peak intensity 21.350 cd/lm Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSCONIQ P 3737 (3W version) FWHM 14.0° Efficiency 94 % Peak intensity 11.620 cd/lm Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED SFH 4715AS FWHM 10.0° Efficiency 94 % Peak intensity 0.000 cd/lm Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED SFH 4715S FWHM 9.5° Efficiency % Peak intensity cd/lm Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED SFH 4770S

FWHM 10.0°

Efficiency 94 %

Peak intensity cd/lm

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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