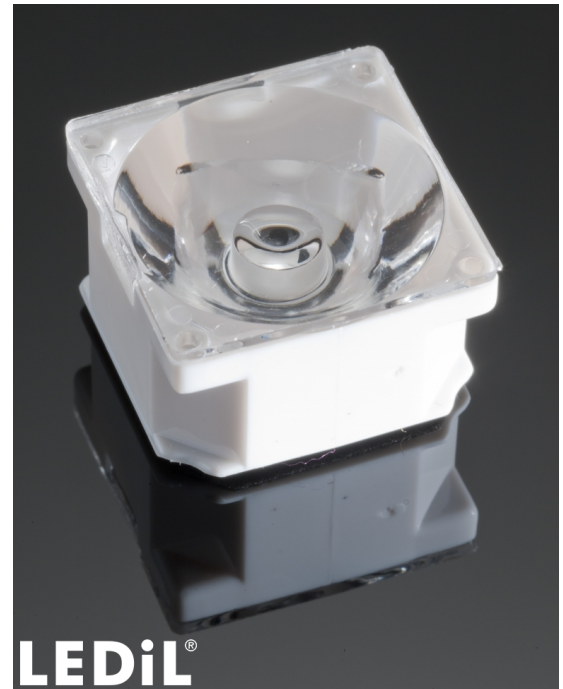


LAURA-RS-PIN

~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
ROHS compliant	yes ⓘ

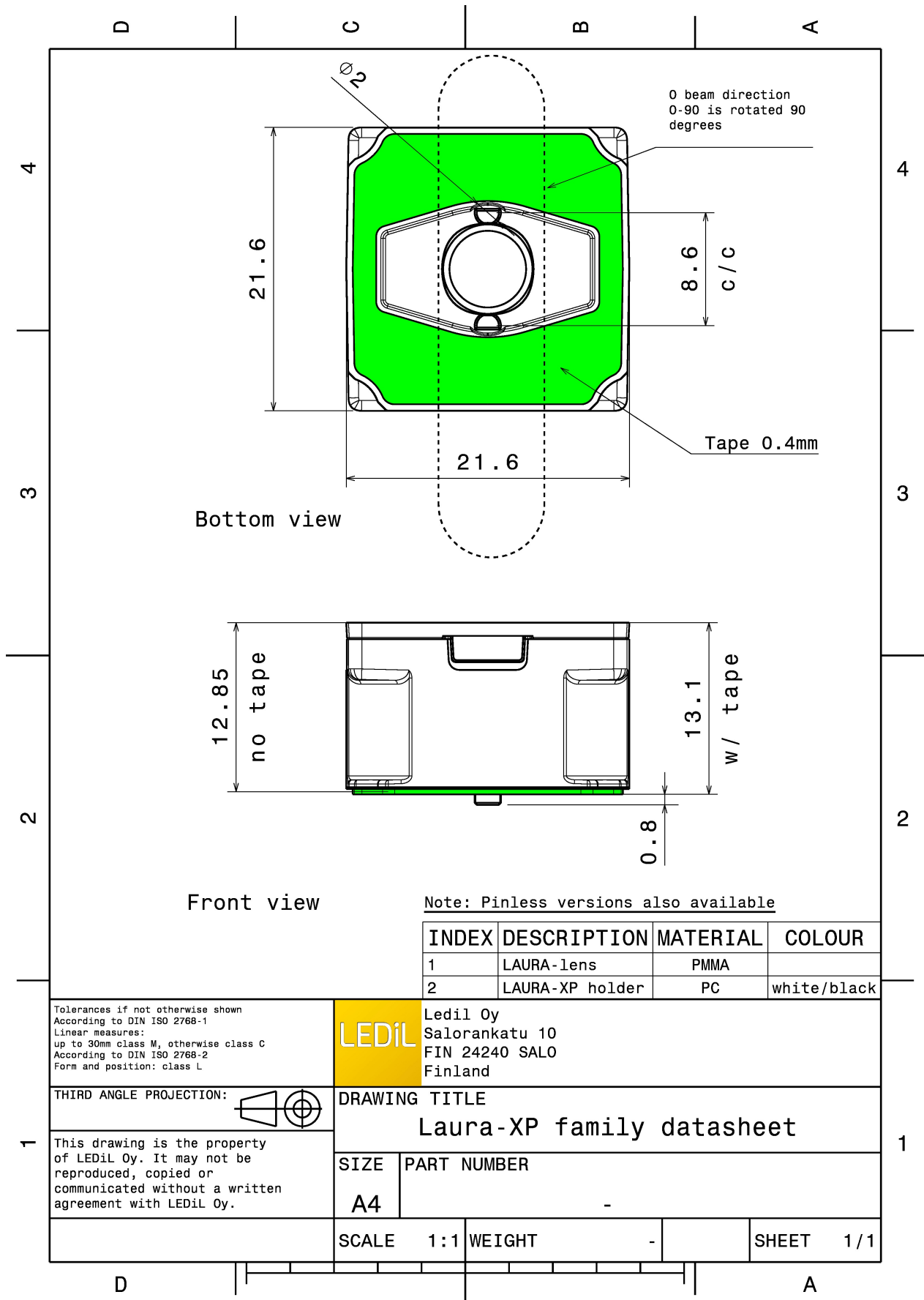


MATERIAL SPECIFICATIONS:

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

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA11959_LAURA-RS-PIN	Single lens	1440	360	180	7.6
» Box size:					



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

PHOTOMETRIC DATA (MEASURED):

CREE LED

LED XP-E
FWHM / FWTM 8.0° / 16.0°
Efficiency 93 %
Peak intensity 33.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:

CREE LED

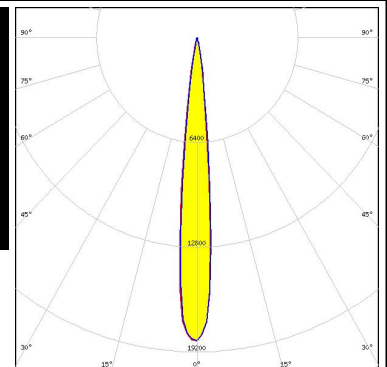
LED XP-G
FWHM / FWTM 11.0°
Efficiency 93 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS


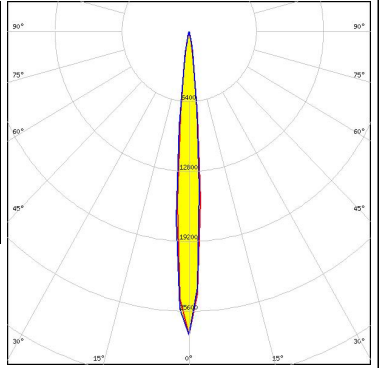

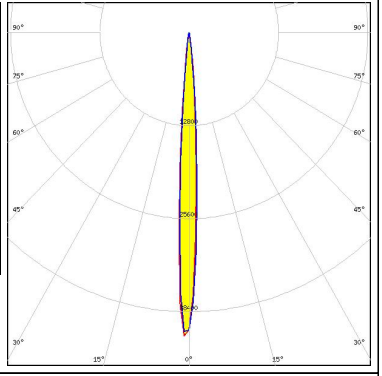
LED LUXEON Rebel
FWHM / FWTM 7.0° / 16.0°
Efficiency 93 %
Peak intensity 34 cd/lm
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON T
FWHM / FWTM 11.0° / 21.0°
Efficiency 92 %
Peak intensity 18.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (MEASURED):

<p>NICHIA</p> <p>LED NCSxx19B</p> <p>FWHM / FWTM 10.0° / 19.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 27.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC</p> <p>FWHM / FWTM 9.0° / 18.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 20 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED OSLON SSL 150</p> <p>FWHM / FWTM 7.0° / 14.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 42 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4725S</p> <p>FWHM / FWTM 10.0° / 21.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

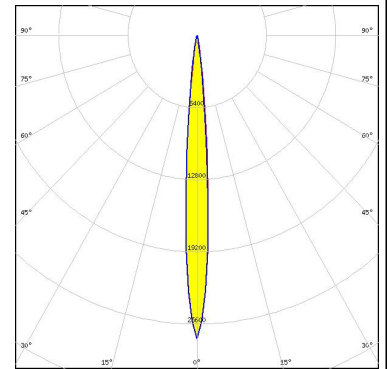
PHOTOMETRIC DATA (MEASURED):

	
SEOL SEMICONDUCTOR	
LED	Z5
FWHM / FWTM	7.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

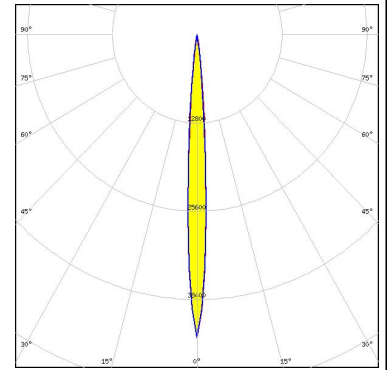
CREE LED

LED XD16
 FWHM / FWTM 8.6° / 18.0°
 Efficiency 94 %
 Peak intensity 26.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



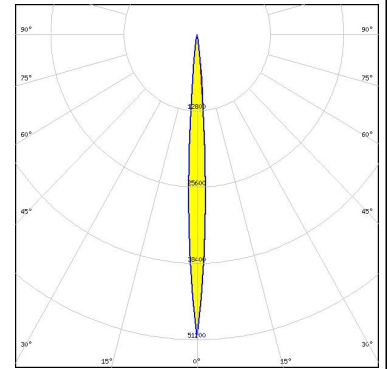
CREE LED

LED XP-E2
 FWHM / FWTM 8.0° / 14.0°
 Efficiency 95 %
 Peak intensity 44 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE LED

LED XP-P
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 96 %
 Peak intensity 50.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

LED LUXEON H50-2
 FWHM / FWTM 12.0° / 23.0°
 Efficiency 92 %
 Peak intensity 16.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON IR Domed 150
FWHM / FWTM 9.0° / 18.0°
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

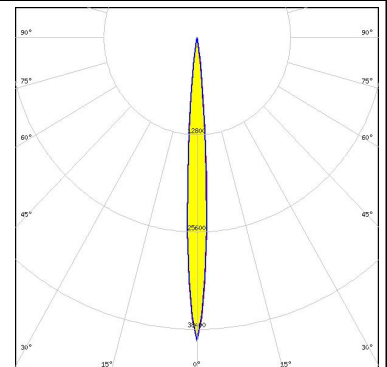
LED LUXEON IR Domed 60
FWHM / FWTM 9.2° / 20.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON IR Domed 90
FWHM / FWTM 9.0° / 18.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON Z ES
FWHM / FWTM 8.0° / 15.0°
Efficiency 95 %
Peak intensity 39.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

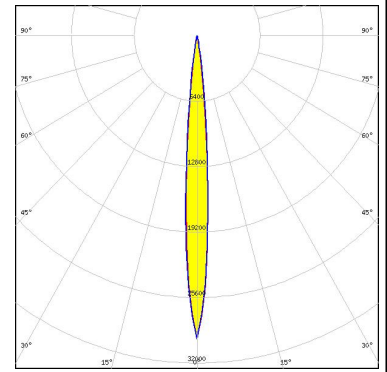
<p>NICHIA</p> <p>LED: NV4WB35AM FWHM / FWTM: 16.0° / 30.0° Efficiency: 96 % Peak intensity: 9.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 10.0° / 21.0° Efficiency: 94 % Peak intensity: 21.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxx19B/NVSxx19C FWHM / FWTM: 12.0° / 22.0° Efficiency: 94 % Peak intensity: 16.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: KW CULPM1.TG FWHM / FWTM: 8.0° / 16.0° Efficiency: 96 % Peak intensity: 37.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

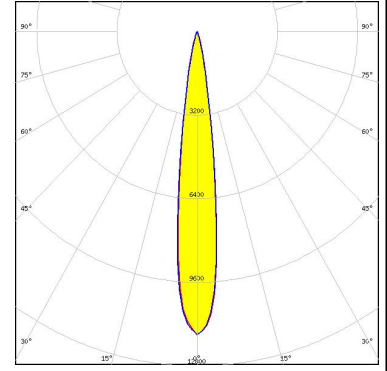
LED OSCONIQ C 2424
 FWHM / FWTM 8.0° / 18.0°
 Efficiency 96 %
 Peak intensity 29.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

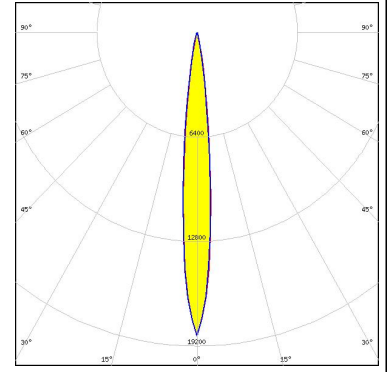
LED OSCONIQ P 3737 (3W version)
 FWHM / FWTM 14.0° / 27.0°
 Efficiency 94 %
 Peak intensity 11.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

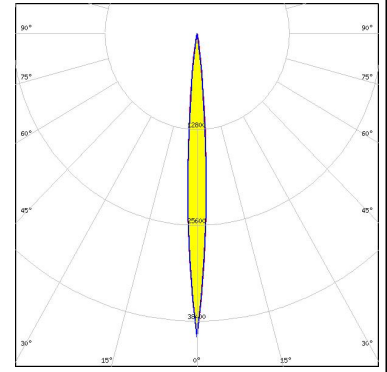
LED OSCONIQ P 3737 Flat
 FWHM / FWTM 10.0° / 22.0°
 Efficiency 96 %
 Peak intensity 18.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED OSLOM Signal
 FWHM / FWTM 8.0° / 16.0°
 Efficiency 95 %
 Peak intensity 40.5 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:

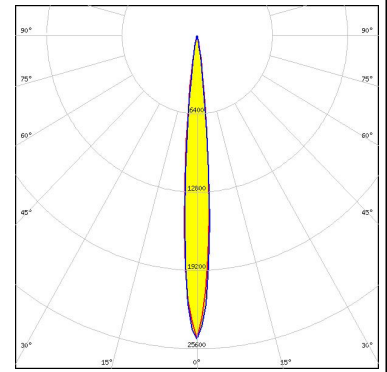


PHOTOMETRIC DATA (SIMULATED):

OSRAM

Opto Semiconductors

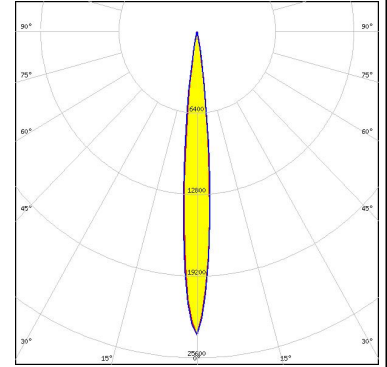
LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 9.5° / 19.0°
 Efficiency 94 %
 Peak intensity 24.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4715AS
 FWHM / FWTM 10.0° / 19.0°
 Efficiency 94 %
 Peak intensity 23.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OSRAM

Opto Semiconductors

LED SFH 4715S
 FWHM / FWTM 9.5°
 Efficiency %
 LEDs/each optic 1
 Light colour White
 Required components:

OSRAM

Opto Semiconductors

LED SFH 4770S
 FWHM / FWTM 10.0° / 23.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour White
 Required components:

PHOTOMETRIC DATA (SIMULATED):

SAMSUNG

LED	LM301B
FWHM / FWTM	9.0° / 19.0°
Efficiency	94 %
Peak intensity	24.5 cd/m
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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