

LAURA-D-PIN

~15° diffused 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 ⓘ

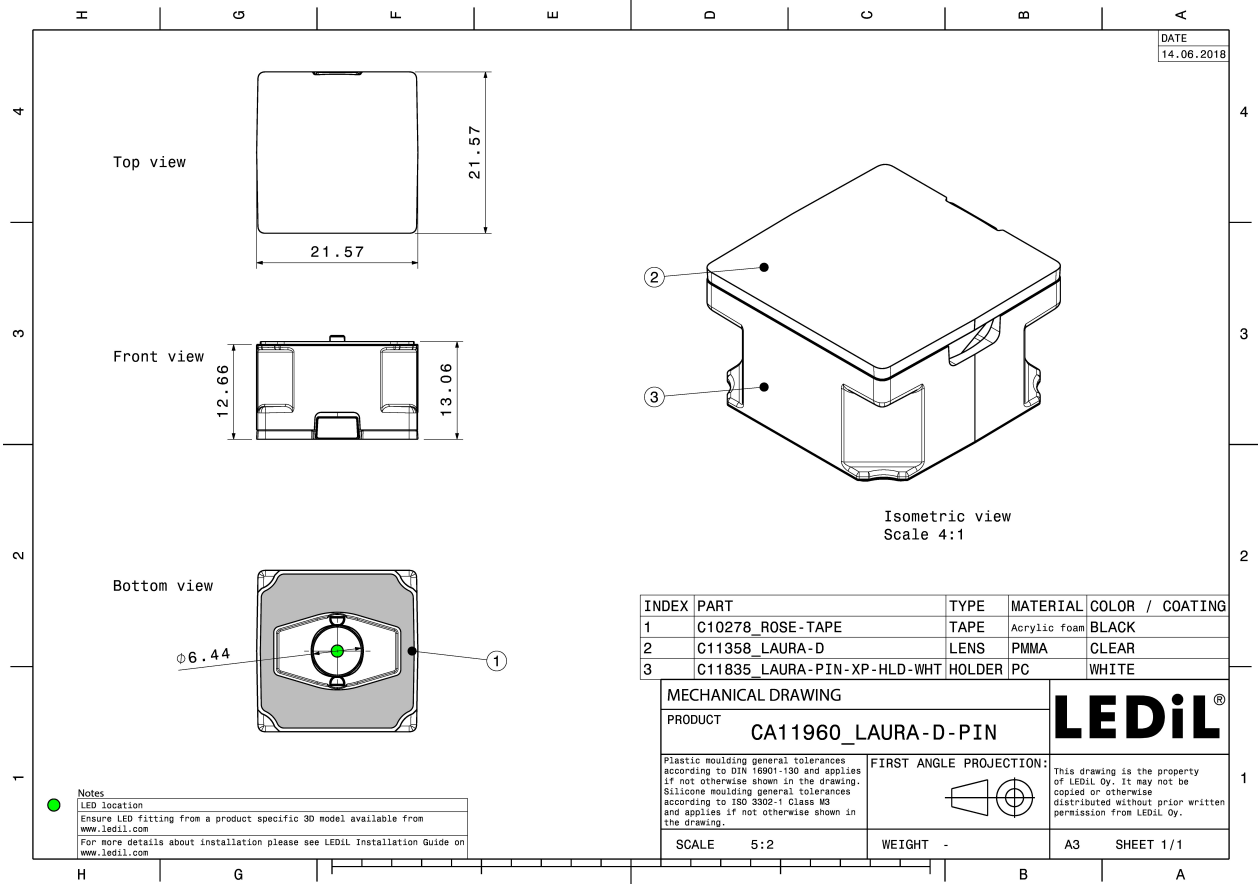


MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-D	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)
CA11960_LAURA-D-PIN	Single lens	1440		180	7.5
» Box size:					



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

PHOTOMETRIC DATA (MEASURED):

CREE → LED

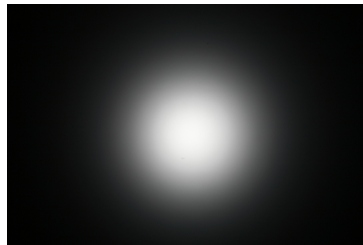
LED XP-E
FWHM / FWTM 13.0° / 31.0°
Efficiency 93 %
Peak intensity 9.3 cd/m
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

LED XP-E-HEW
FWHM / FWTM 15.0° / 33.0°
Efficiency 86 %
Peak intensity 6.2 cd/m
LEDs/each optic 1
Light colour White
Required components:

CREE → LED

LED XP-E2
FWHM / FWTM 15.0° / 36.0°
Efficiency 88 %
Peak intensity 6.4 cd/m
LEDs/each optic 1
Light colour White
Required components:



CREE → LED

LED XP-G
FWHM / FWTM 16.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

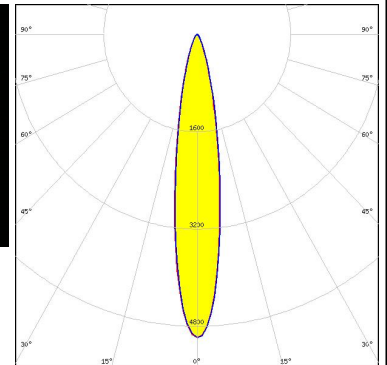
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

LED LUXEON Rebel
 FWHM / FWTM 15.0° / 37.0°
 Efficiency 90 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

LUMILEDS

LED LUXEON T
 FWHM / FWTM 18.0° / 40.0°
 Efficiency 89 %
 Peak intensity 4.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



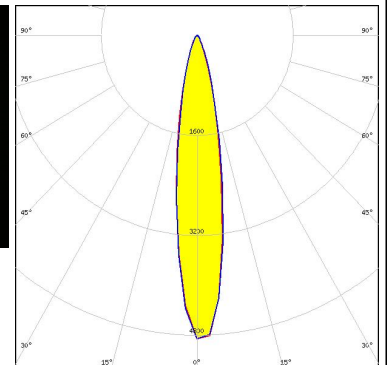
LUMILEDS

LED LUXEON Z ES
 FWHM / FWTM 15.0° / 34.0°
 Efficiency 90 %
 Peak intensity 7.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:


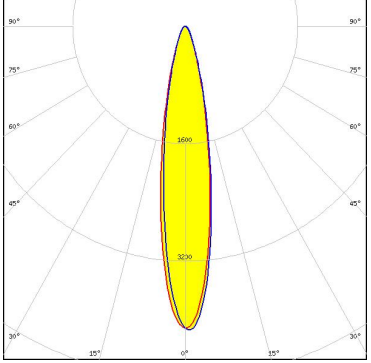





NICHIA

LED NCSxx19B
 FWHM / FWTM 19.0° / 41.0°
 Efficiency 85 %
 Peak intensity 5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

 LED NF2x757D FWHM / FWTM 19.0° / 43.0° Efficiency 84 % Peak intensity 4.2 cd/lm LEDs/each optic 1 Light colour White Required components:	
 LED OSLON Square EC FWHM / FWTM 16.0° / 34.0° Efficiency 81 % Peak intensity 6.7 cd/lm LEDs/each optic 1 Light colour White Required components:	
 LED OSLON SSL 150 FWHM / FWTM 12.0° / 28.0° Efficiency 83 % Peak intensity 8.9 cd/lm LEDs/each optic 1 Light colour White Required components:	
 LED OSLON SSL 80 FWHM / FWTM 14.0° / 31.0° Efficiency 83 % Peak intensity 7.3 cd/lm LEDs/each optic 1 Light colour White Required components:	

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 18.0° / 42.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:



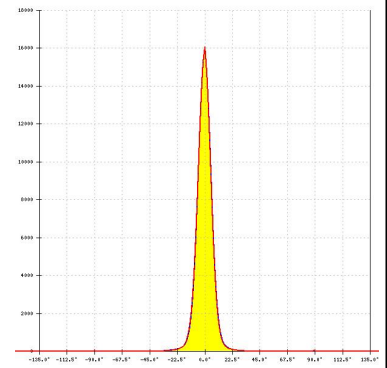
SEOUL SEMICONDUCTOR

LED Z5
FWHM / FWTM 14.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

PHOTOMETRIC DATA (SIMULATED):

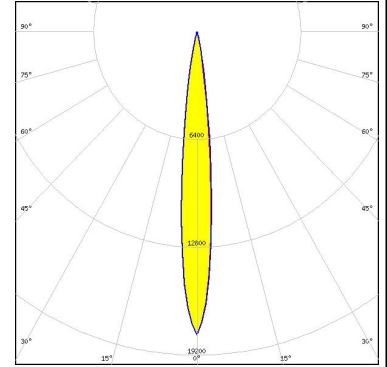
CREE LED

LED: XD16
 FWHM / FWTM: 12.0° / 23.0°
 Efficiency: 90 %
 Peak intensity: 16.1 cd/lm
 LEDs/each optic: 1
 Light colour: White
 Required components:



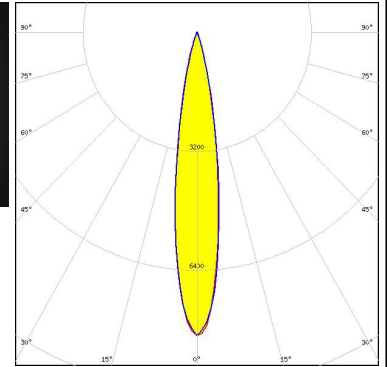
CREE LED

LED: XP-E2
 FWHM / FWTM: 12.0° / 22.0°
 Efficiency: 94 %
 Peak intensity: 18 cd/lm
 LEDs/each optic: 1
 Light colour: Amber
 Required components:



CREE LED

LED: XP-G3
 FWHM / FWTM: 17.0° / 32.0°
 Efficiency: 93 %
 Peak intensity: 8.2 cd/lm
 LEDs/each optic: 1
 Light colour: White
 Required components:



LUMILEDS

LED: LUXEON H50-2
 FWHM / FWTM: 13.0° / 28.0°
 Efficiency: 90 %
 Peak intensity: 9.5 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

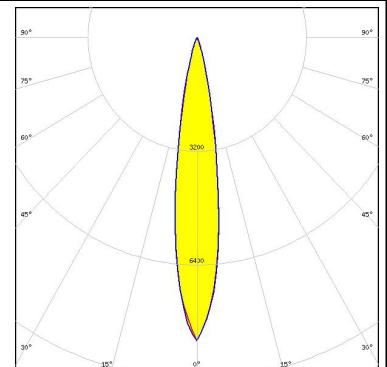
LED LUXEON IR Domed 60
FWHM / FWTM 12.0° / 25.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

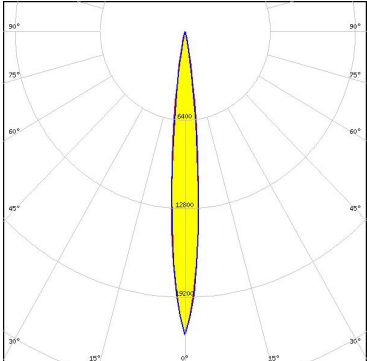
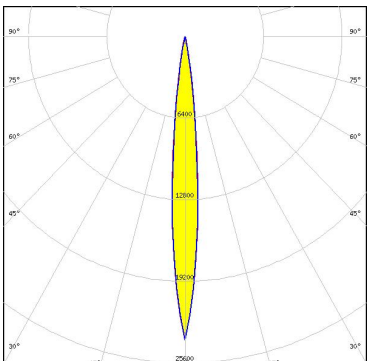
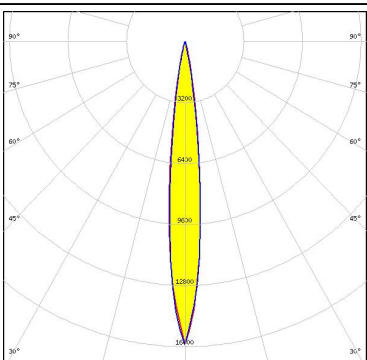
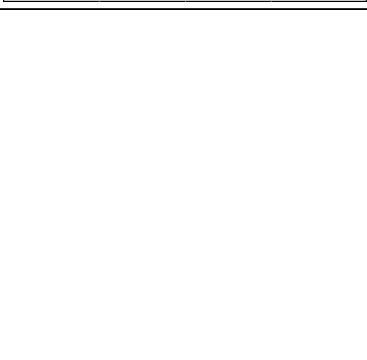
LED LUXEON IR Domed 90
FWHM / FWTM 12.0° / 24.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

NICHIA

LED NV4WB35AM
FWHM / FWTM 16.0° / 32.0°
Efficiency 96 %
Peak intensity 8.5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



PHOTOMETRIC DATA (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED KW CULPM1.TG</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 21.9 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 OSLOM Signal</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 23.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour Red</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 15.9 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 4715S</p> <p>FWHM / FWTM 13.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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