

LAURA-D-PIN

~15° diffused spot beam optimized for CREE XP-E. Assembly with white holder, installation tape and location pins.

SPECIFICATION:

Dimensions	21.6 x 21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

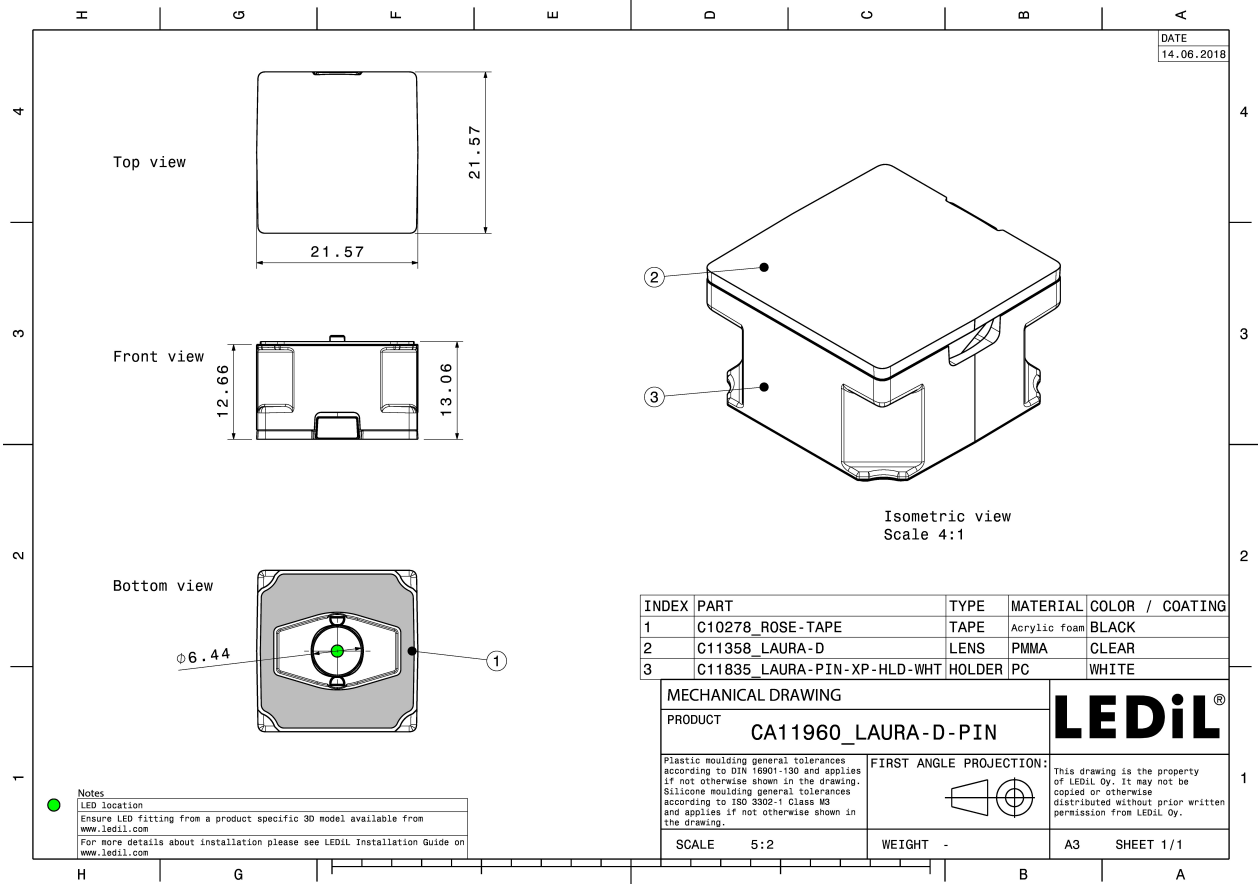


MATERIALS:

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

OPTICAL RESULTS (MEASURED):

CREE → LED

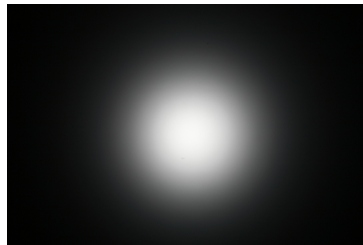
LED XP-E
FWHM / FWTM 13.0° / 31.0°
Efficiency 93 %
Peak intensity 9.3 cd/m
LEDs/each optic 1
Light colour White
Required components:

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:

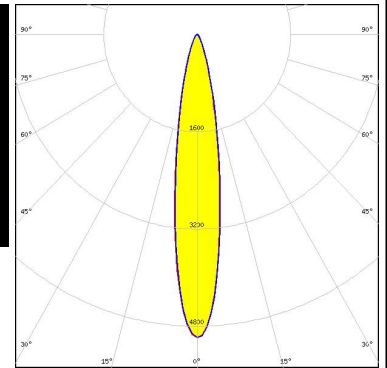
OPTICAL RESULTS (MEASURED):

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:



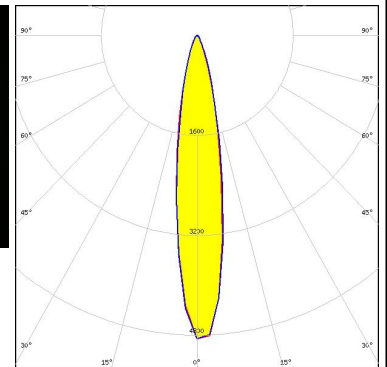
LUMILEDS

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:


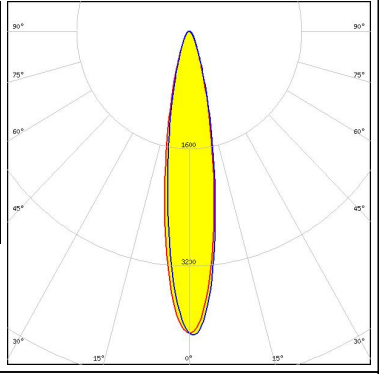


NICHIA


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



OPTICAL RESULTS (MEASURED):

<p>NICHIA</p> <p>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:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM 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:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM 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:</p>		
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLOM 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:</p>		

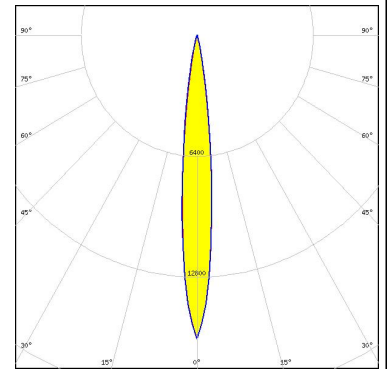
OPTICAL RESULTS (MEASURED):

 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:	

OPTICAL RESULTS (SIMULATED):

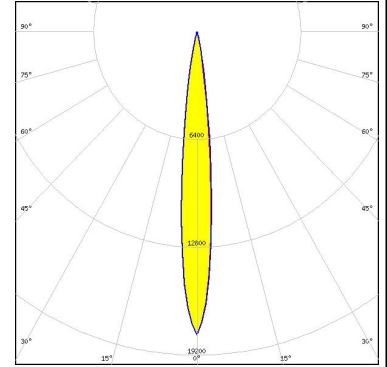
CREE LED

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:



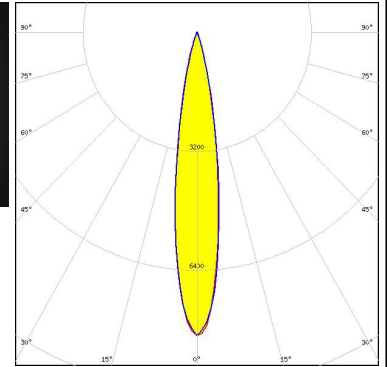
CREE LED

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:

OPTICAL RESULTS (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

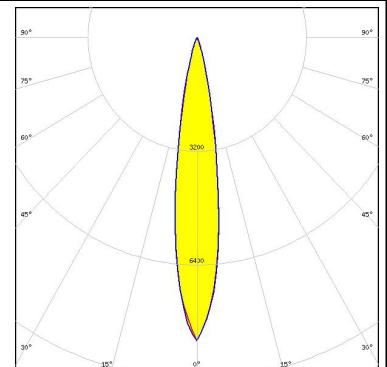
LED LUXEON IR Domed 60
FWHM / FWTM 12.0° / 25.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

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:



OPTICAL RESULTS (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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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