

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 ⓘ

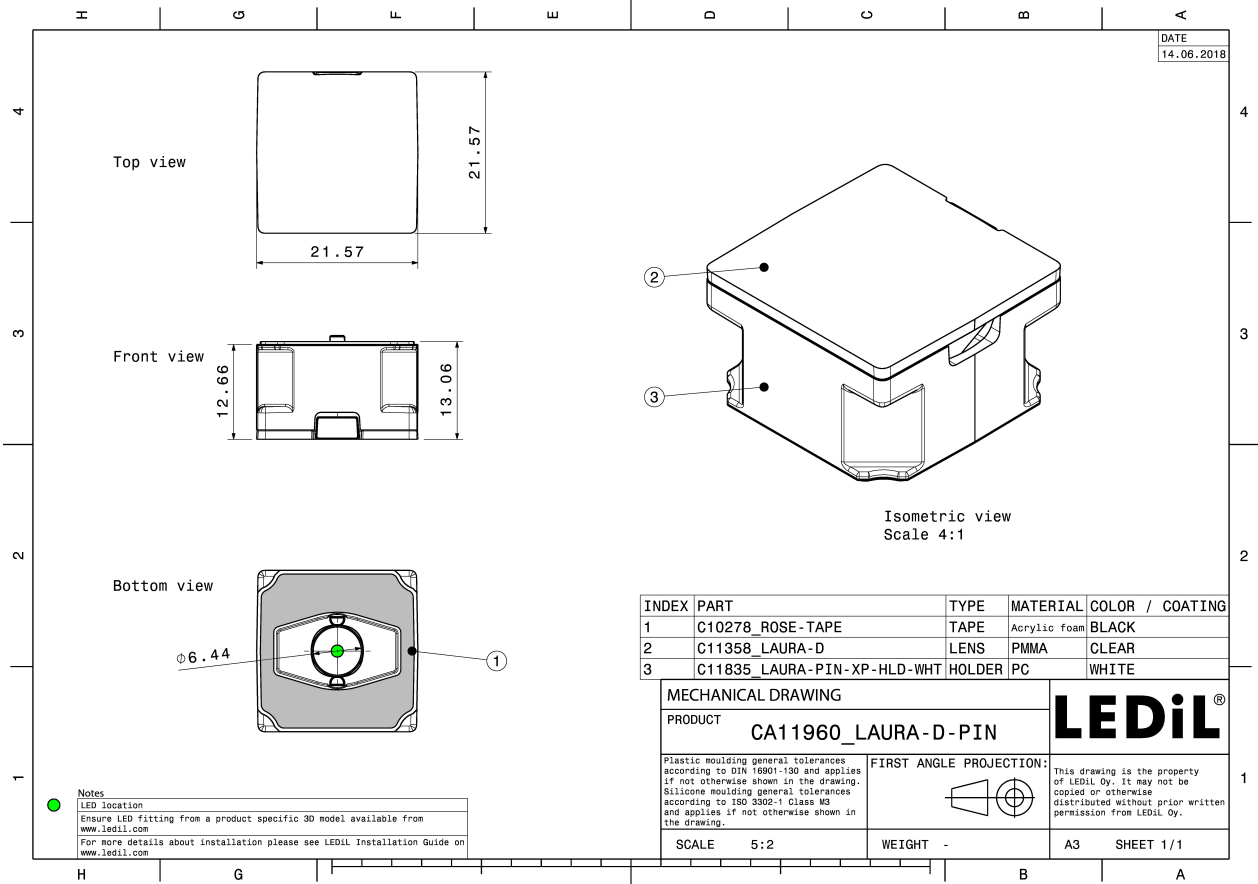


MATERIALS:

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):



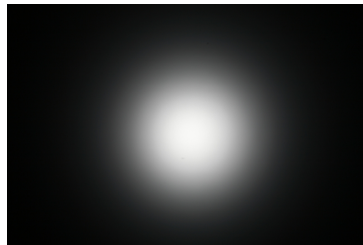
LED XP-E
FWHM / FWTM 13.0° / 31.0°
Efficiency 93 %
Peak intensity 9.3 cd/m
LEDs/each optic 1
Light colour White
Required components:



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:



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:



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

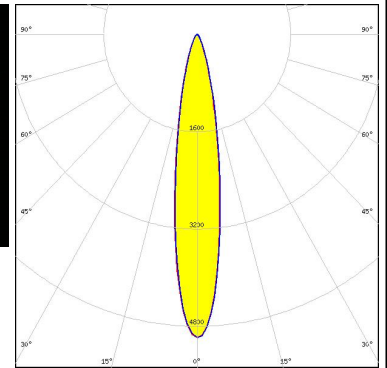
OPTICAL RESULTS (MEASURED):

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:



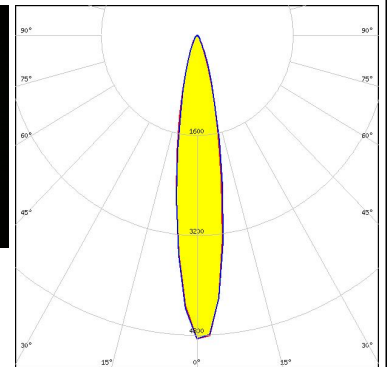
LUMILEDS

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:


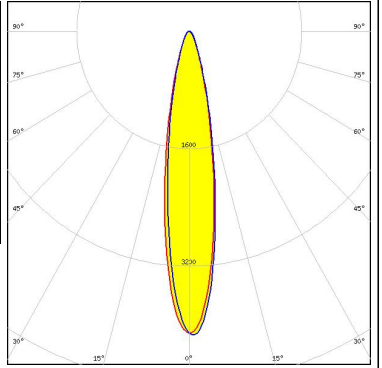


NICHIA

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 Opto Semiconductors</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 Opto Semiconductors</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 Opto Semiconductors</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):

OSRAM
Opto Semiconductors

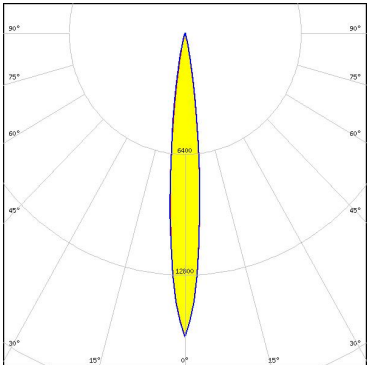
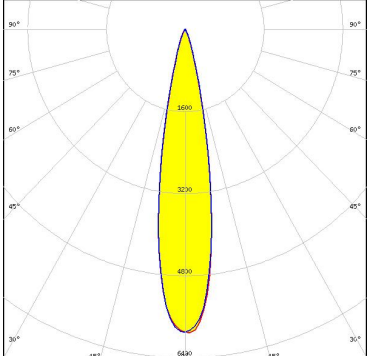
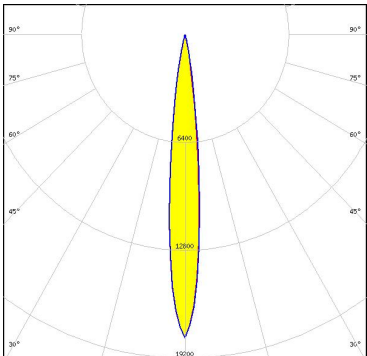
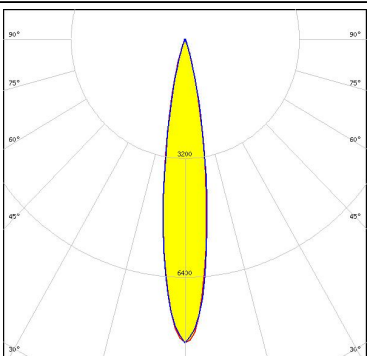
LED SFH 4725S
FWHM / FWTM 18.0° / 42.0°
Efficiency %
LEDs/each optic 1
Light colour White
Required components:

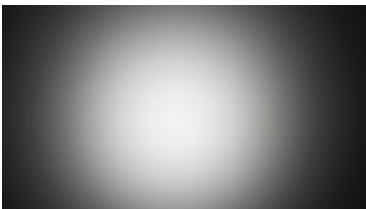


SEOUL SEMICONDUCTOR

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

OPTICAL RESULTS (SIMULATED):

<p>CREE LEDs</p> <p>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:</p>	
<p>CREE LEDs</p> <p>LED: XHP35.2 HD FWHM / FWTM: 20.0° / 36.0° Efficiency: 89 % Peak intensity: 5.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE LEDs</p> <p>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:</p>	
<p>CREE LEDs</p> <p>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:</p>	



OPTICAL RESULTS (SIMULATED):

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:

LUMILEDS

LED LUXEON IR Domed 150 (L110-0xxx150000000)
FWHM / FWTM 9.0° / 18.0°
Efficiency 0 %
LEDs/each optic 1
Light colour White
Required components:

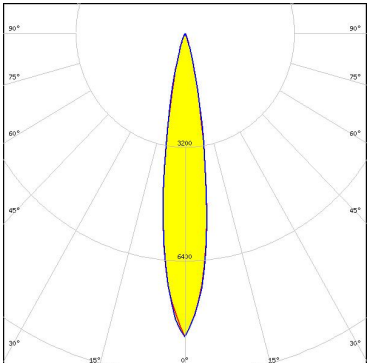
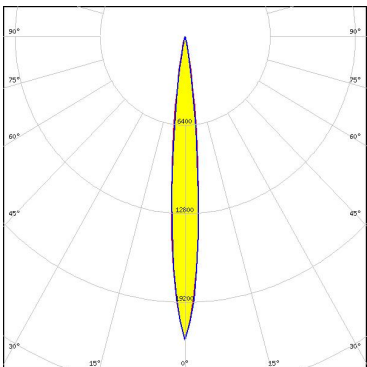
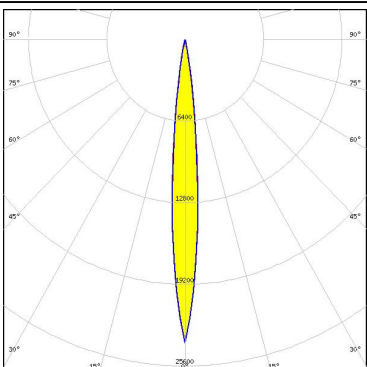
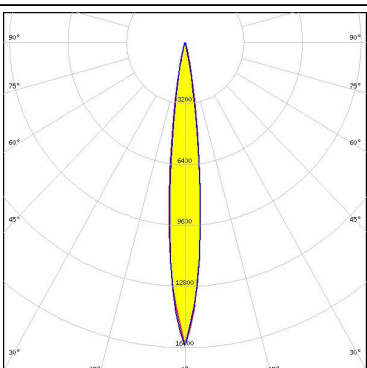
LUMILEDS

LED LUXEON IR Domed 60 (L110-0xxx060000000)
FWHM / FWTM 12.0° / 25.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

LUMILEDS

LED LUXEON IR Domed 90 (L110-0xxx090000000)
FWHM / FWTM 12.0° / 24.0°
Efficiency 94 %
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (SIMULATED):

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

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	13.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required components:	