

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 ⓘ

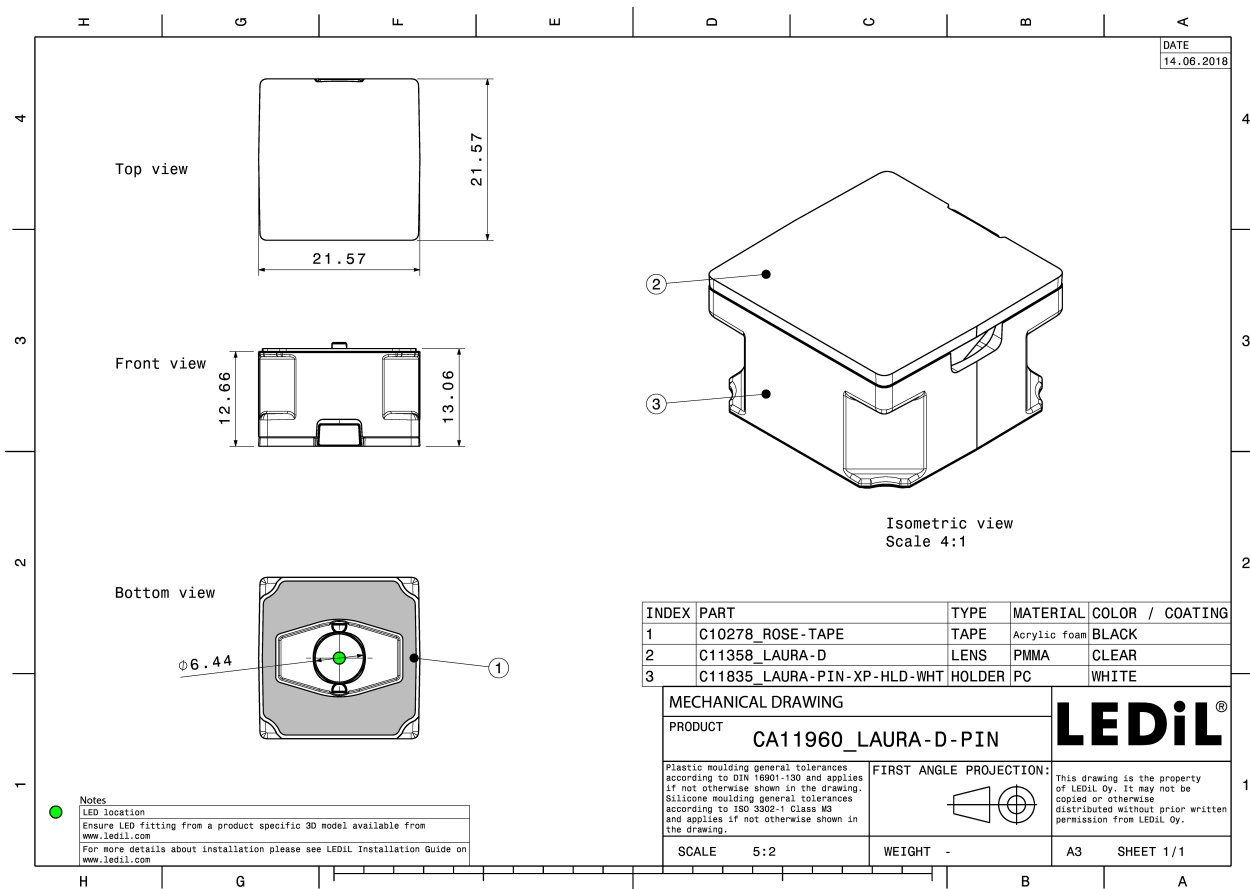


MATERIALS:

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		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):



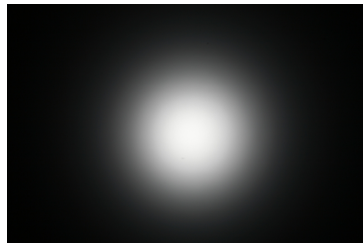
LED XP-E
FWHM / FWTM 13.0° / 31.0°
Efficiency 93 %
Peak intensity 9.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED XP-E-HEW
FWHM / FWTM 15.0° / 33.0°
Efficiency 86 %
Peak intensity 6.2 cd/lm
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/lm
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:

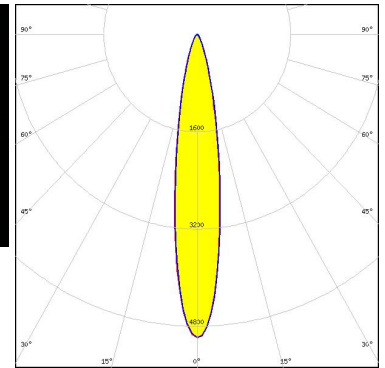
OPTICAL RESULTS (MEASURED):

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:



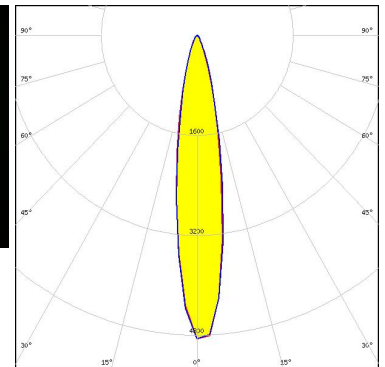
LUMILEDS

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

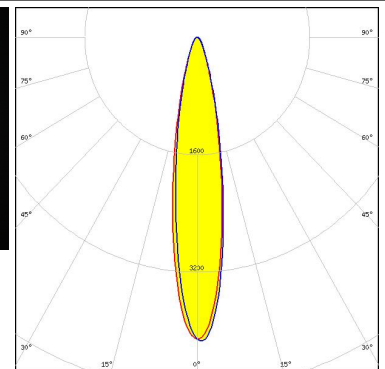
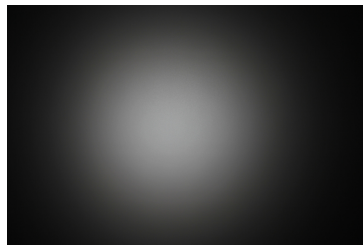
LED NCSxx19B
FWHM / FWTM 19.0° / 41.0°
Efficiency 85 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour White
Required components:



OPTICAL RESULTS (MEASURED):



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:

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:

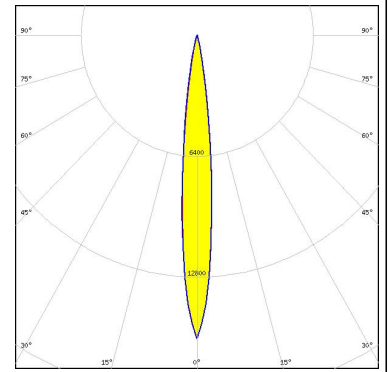
SEOUL SEMICONDUCTOR

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

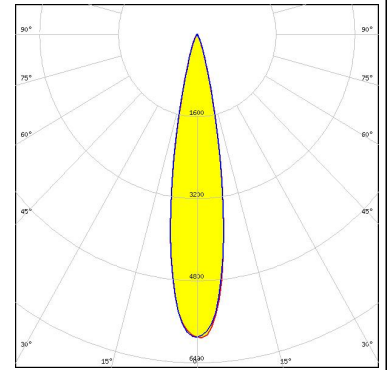
OPTICAL RESULTS (SIMULATED):



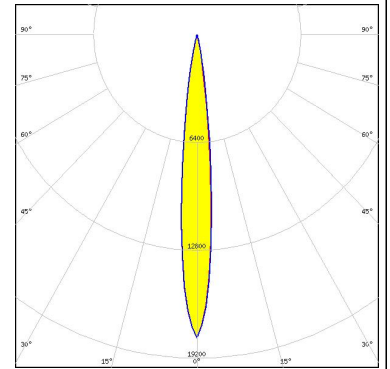
LED XD16
FWHM / FWTM 12.0° / 23.0°
Efficiency 90 %
Peak intensity 16.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:



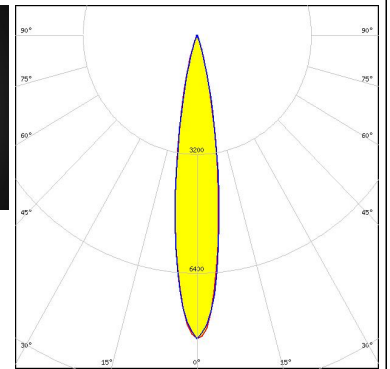
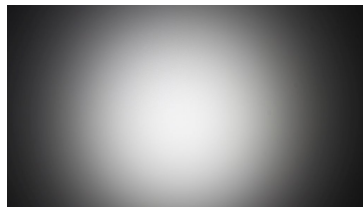
LED XHP35.2 HD
FWHM / FWTM 20.0° / 36.0°
Efficiency 89 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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:



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:



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:	

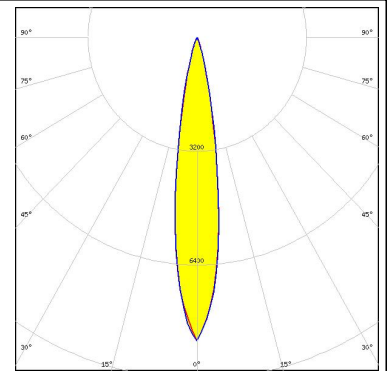
LUMILEDS

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

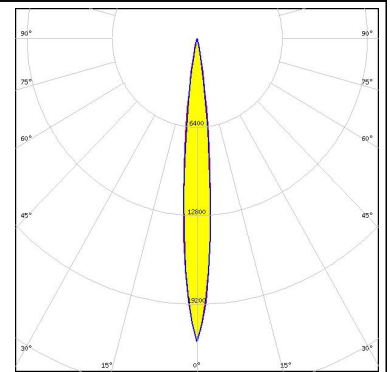
OPTICAL RESULTS (SIMULATED):



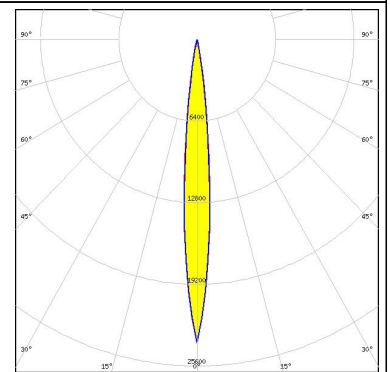
LED NV4WB35AM
 FWHM / FWTM 16.0° / 32.0°
 Efficiency 96 %
 Peak intensity 8.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



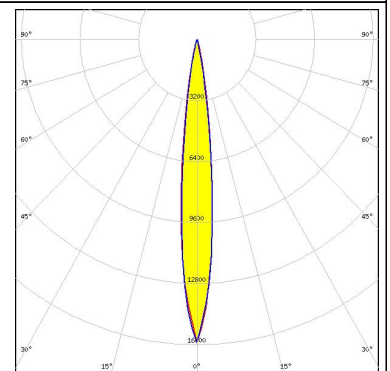
LED OSLOM Boost HX (KW CULPM1.TG)
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 96 %
 Peak intensity 21.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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:



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:



OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM / FWTM	13.0°
Efficiency	%
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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