

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
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes 

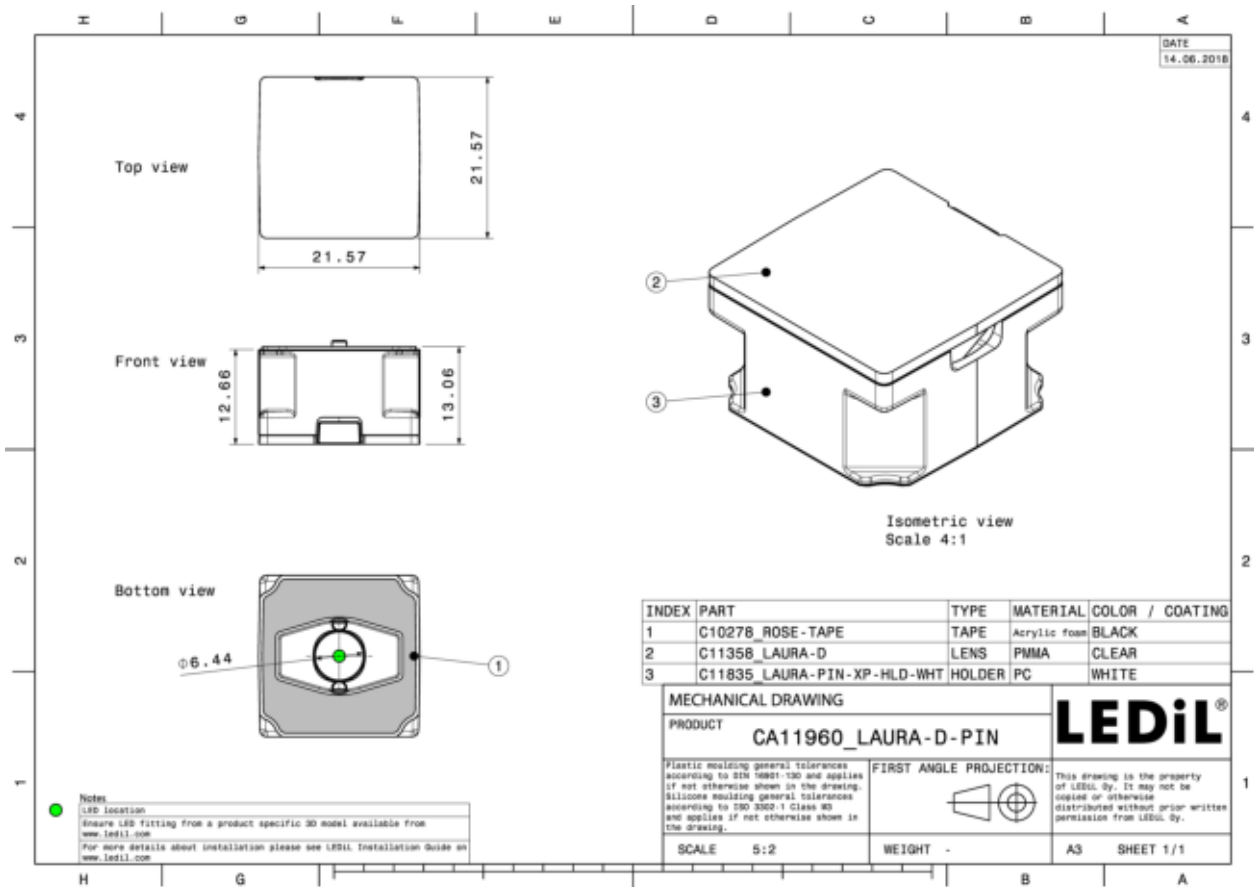


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
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	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/type	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/type	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/type	White
Required components:	



Light distribution files

OPTICAL RESULTS (MEASURED):



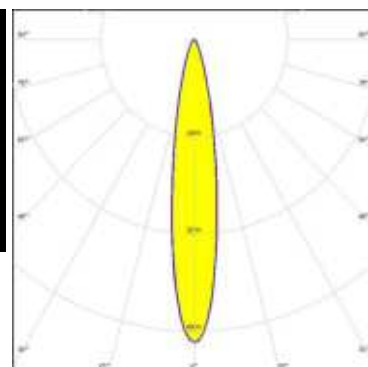
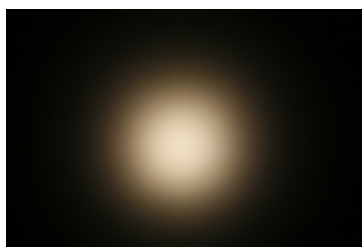
LED XP-G
FWHM / FWTM 16.0°
Efficiency 94 %
LEDs/each optic 1
Light colour/type White
Required components:



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



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



Light distribution files

OPTICAL RESULTS (MEASURED):



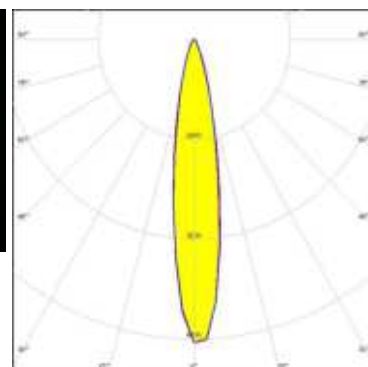
LED LUXEON Z ES
FWHM / FWTM 15.0° / 34.0°
Efficiency 90 %
Peak intensity 7.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



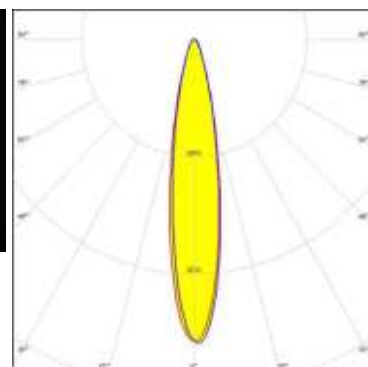
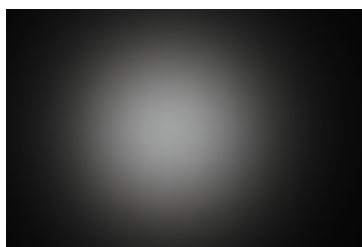
LED NCSxx19B
FWHM / FWTM 19.0° / 41.0°
Efficiency 85 %
Peak intensity 5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NF2x757D
FWHM / FWTM 19.0° / 43.0°
Efficiency 84 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):



LED	OSLON Square EC
FWHM / FWTM	16.0° / 34.0°
Efficiency	81 %
Peak intensity	6.7 cd/lm
LEDs/each optic	1
Light colour/type	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/type	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/type	White
Required components:	

OPTICAL RESULTS (MEASURED):



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

Light distribution files

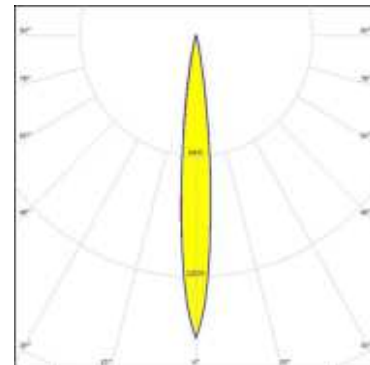


LED Z5
FWHM / FWTM 14.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (SIMULATED):



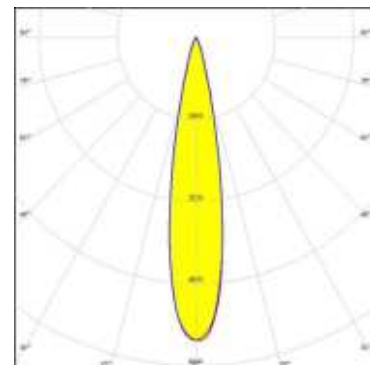
LED XD16
FWHM / FWTM 12.0° / 23.0°
Efficiency 90 %
Peak intensity 16.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



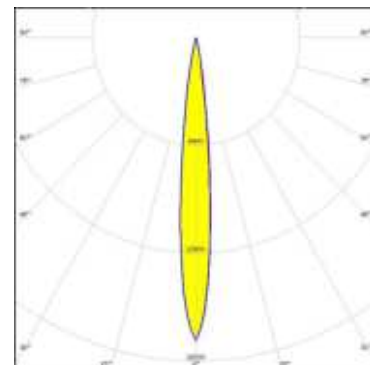
LED XHP35.2 HD
FWHM / FWTM 20.0° / 36.0°
Efficiency 89 %
Peak intensity 5.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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

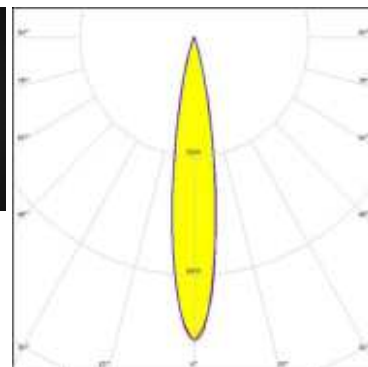
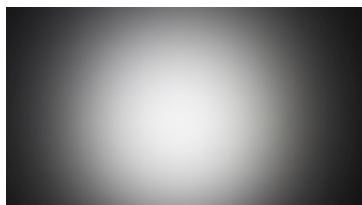


Light distribution files

OPTICAL RESULTS (SIMULATED):



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



Light distribution files



LED LUXEON H50-2
FWHM / FWTM 13.0° / 28.0°
Efficiency 90 %
Peak intensity 9.5 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON IR Domed 150 (L1I0-0xxx150000000)
FWHM / FWTM 9.0° / 18.0°
Efficiency 0 %
LEDs/each optic 1
Light colour/type White
Required components:

OPTICAL RESULTS (SIMULATED):



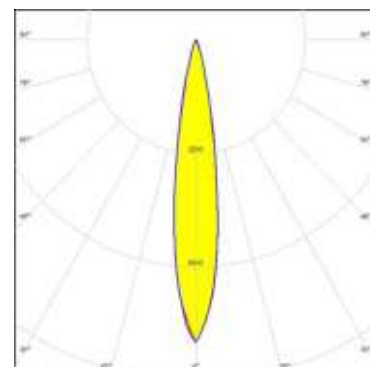
LED LUXEON IR Domed 60 (L1I0-0xxx060000000)
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



LED LUXEON IR Domed 90 (L1I0-0xxx090000000)
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 94 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



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

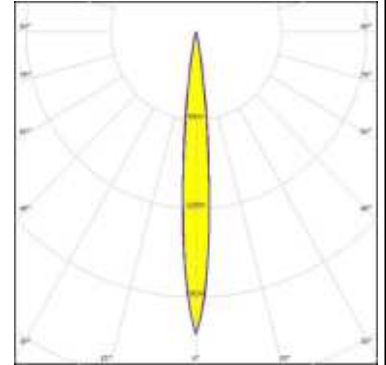


Light distribution files

OPTICAL RESULTS (SIMULATED):



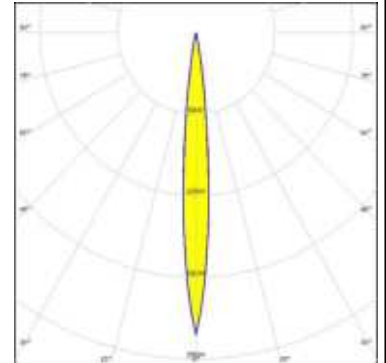
LED OSLON Boost HX (KW CULPM1.TG)
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 96 %
 Peak intensity 21.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



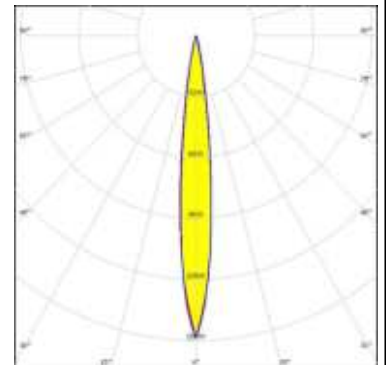
LED OSLON Signal
 FWHM / FWTM 10.0° / 20.0°
 Efficiency 96 %
 Peak intensity 23.8 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



Light distribution files



LED OSLON Square CSSRM2/CSSRM3
 FWHM / FWTM 12.0° / 24.0°
 Efficiency 96 %
 Peak intensity 15.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (SIMULATED):



LED	SFH 4715S
FWHM / FWTM	13.0°
Efficiency	%
LEDs/each optic	1
Light colour/type	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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