

PRODUCT DATASHEET CA11960_LAURA-D-PIN

LAURA-D-PIN

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

SPECIFICATION:

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



MATERIALS:

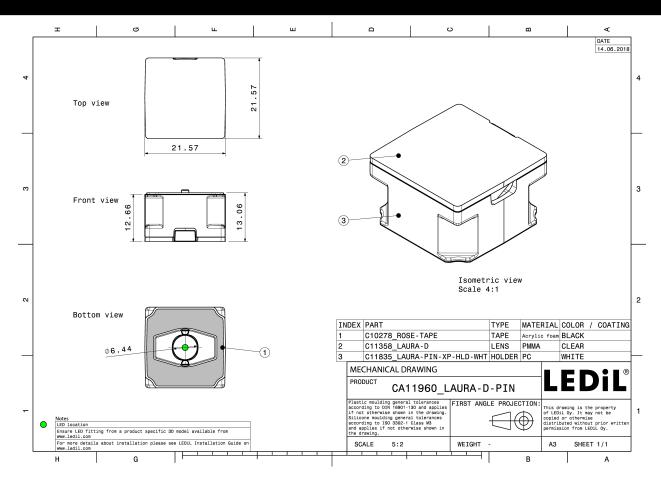
Component LAURA-D LAURA-PIN-XP-HLD-WHT ROSE-TAPE **Type** Single lens Holder Tape

	Material	Colour	Finish
S	PMMA	clear	
	PC	white	
	Acrylic foam	black	

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11960_LAURA-D-PIN » Box size:	Single lens	1440		180	7.5

PRODUCT DATASHEET CA11960_LAURA-D-PIN



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



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 componen	ts:

 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:
 1

 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:
 1



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

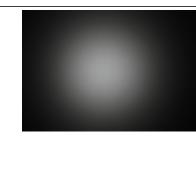


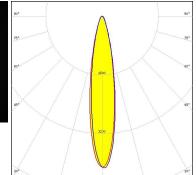
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LED	LUXEON Rebel	
FWHM / FWTM	15.0° / 37.0°	
Efficiency	90 %	
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required compone		
	EDS	90*
LED	LUXEON T	
FWHM / FWTM	18.0° / 40.0°	
Efficiency	89 %	
Peak intensity	4.5 cd/lm	
LEDs/each optic	1	
Light colour	White	g
Required compone	ents:	
		400
		357 of 157
🤭 LUMIL	.EDS	
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 compone	ents:	
~	_	
ØNICHI∕	k i i i i i i i i i i i i i i i i i i i	30 ⁺
LED	NCSxx19B	
FWHM / FWTM	19.0° / 41.0°	
Efficiency	85 %	er 100
Peak intensity	5 cd/lm	
LEDs/each optic	1	
Light colour	White	9
Required compone		
		30
		10 00 100



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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:				





OSRAM

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:			

OSRAM Opto Semiconductors

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:

OSRAM Opto Semiconductors

- LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:
- OSLON SSL 80 14.0° / 31.0° 83 % 7.3 cd/lm 1 White



OSRAM Opto Semiconductors	
LED	SFH 4725S
FWHM / FWTM	18.0° / 42.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required compone	nts:
SEOUL	
SEOUL SEMICONDUCTOR	
LED	Z5
FWHM / FWTM	14.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required compone	nts:



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		90* 90*
LED	XD16	
FWHM / FWTM	12.0° / 23.0°	75* 75*
Efficiency	90 %	
Peak intensity	16.1 cd/lm	60° 600
LEDs/each optic	1	
Light colour	White	
Required components:		1700
		30° 15° 0° 15° 30°
		50°
LED	XHP35.2 HD	
FWHM / FWTM	20.0° / 36.0°	75*
Efficiency	89 %	
Peak intensity	5.9 cd/lm	60°
LEDs/each optic	1	
Light colour	White	45. 45.
Required components:	white	
Required components.		400
		36° 36° 36° 36°
		90°
	XP.F2	50°
LED	XP-E2 12.0° / 22.0°	39 ⁴ 35 ⁵ 27
LED FWHM / FWTM	12.0° / 22.0°	<u>8</u> .
LED FWHM / FWTM Efficiency	12.0° / 22.0° 94 %	97 97 97 97 97 97 97 97 97 97 97 97 97
LED FWHM / FWTM Efficiency Peak intensity	12.0° / 22.0° 94 % 18 cd/lm	51 ⁴ 51 ⁴ 610 610 610 610
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 22.0° 94 % 18 cd/lm 1	g. 61 91 91 91 91
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 94 % 18 cd/lm	97 97 97 97 97 97 97 97 97 97 97 97 97 9
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 22.0° 94 % 18 cd/lm 1	97 97 66 67 67 1000 1000
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 94 % 18 cd/lm 1	91 91 92 91 92 92 92 92 92 92 92 92 92 92
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 94 % 18 cd/lm 1	1300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 94 % 18 cd/lm 1	1300
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 94 % 18 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 94 % 18 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 94 % 18 cd/lm 1 Amber	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3 17.0° / 32.0°	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3 17.0° / 32.0° 93 %	59 ⁴ 59
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Required components: LED FWHM / FWTM Efficiency Peak intensity	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3 17.0° / 32.0° 93 % 8.2 cd/lm	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3 17.0° / 32.0° 93 % 8.2 cd/lm 1	5° 6° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3 17.0° / 32.0° 93 % 8.2 cd/lm 1	
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3 17.0° / 32.0° 93 % 8.2 cd/lm 1	5° 6° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5
LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: CREE ED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	12.0° / 22.0° 94 % 18 cd/lm 1 Amber XP-G3 17.0° / 32.0° 93 % 8.2 cd/lm 1	5° 6° 5° 5° 5° 5° 5° 5° 5° 5° 5° 5



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

UMILEDS

UMILEDS

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

ON IR Domed 90 (L1I0-0xxx090000000) / 24.0°



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Μ ΝΙCΗΙΛ		90°
LED	NV4WB35AM	
FWHM / FWTM	16.0° / 32.0°	73*
Efficiency	96 %	
Peak intensity	8.5 cd/lm	60 ⁵ 60 ⁴
LEDs/each optic	1	
Light colour	White	gs* gg*
Required components:		
		6400
		30°
		15° 0° 15°
OSRAM Opto Semiconductors		90* A 90*
LED	OSLON Boost HX (KW CULPM1.TG)	
FWHM / FWTM	10.0° / 20.0°	25
Efficiency	96 %	600 600
Peak intensity	21.9 cd/lm	$f \times / / \setminus \times \uparrow$
LEDs/each optic	1	
Light colour	White	gy* 43*
Required components:		
		30* 36*
OSDAM		
OSRAM Opto Semiconductors		90°
OSRAM Opto Semiconductors LED	OSLON Signal	
Opto Semiconductors LED FWHM / FWTM	10.0° / 20.0°	
Opto Semiconductors LED FWHM / FWTM Efficiency	10.0° / 20.0° 96 %	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	10.0° / 20.0° 96 % 23.8 cd/lm	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 96 % 23.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 96 % 23.8 cd/lm	
opto semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 96 % 23.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 96 % 23.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 96 % 23.8 cd/lm 1	75 600 9 9 1300 1300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 96 % 23.8 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components:	10.0° / 20.0° 96 % 23.8 cd/lm 1	75 600 9 9 1300 1300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDS/each optic Light colour Required components:	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red	75 600 9 9 1300 1300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3	75 600 9 9 1300 1300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0°	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0° 96 %	75 600 9 9 1300 1300 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: OSRAM Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0° 96 % 15.9 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0° 96 % 15.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0° 96 % 15.9 cd/lm	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0° 96 % 15.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0° 96 % 15.9 cd/lm 1	
opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour Required components: Opto Semiconductors LED FWHM / FWTM Efficiency Peak intensity LEDs/each optic Light colour	10.0° / 20.0° 96 % 23.8 cd/lm 1 Red OSLON Square CSSRM2/CSSRM3 12.0° / 24.0° 96 % 15.9 cd/lm 1	



OSRAM Opto Semiconductors	
LED	SFH 4715S
FWHM / FWTM	13.0°
Efficiency	%
LEDs/each optic	1
Light colour	White
Required component	is: