LAURA-D-PIN

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

TECHNICAL SPECIFICATIONS:

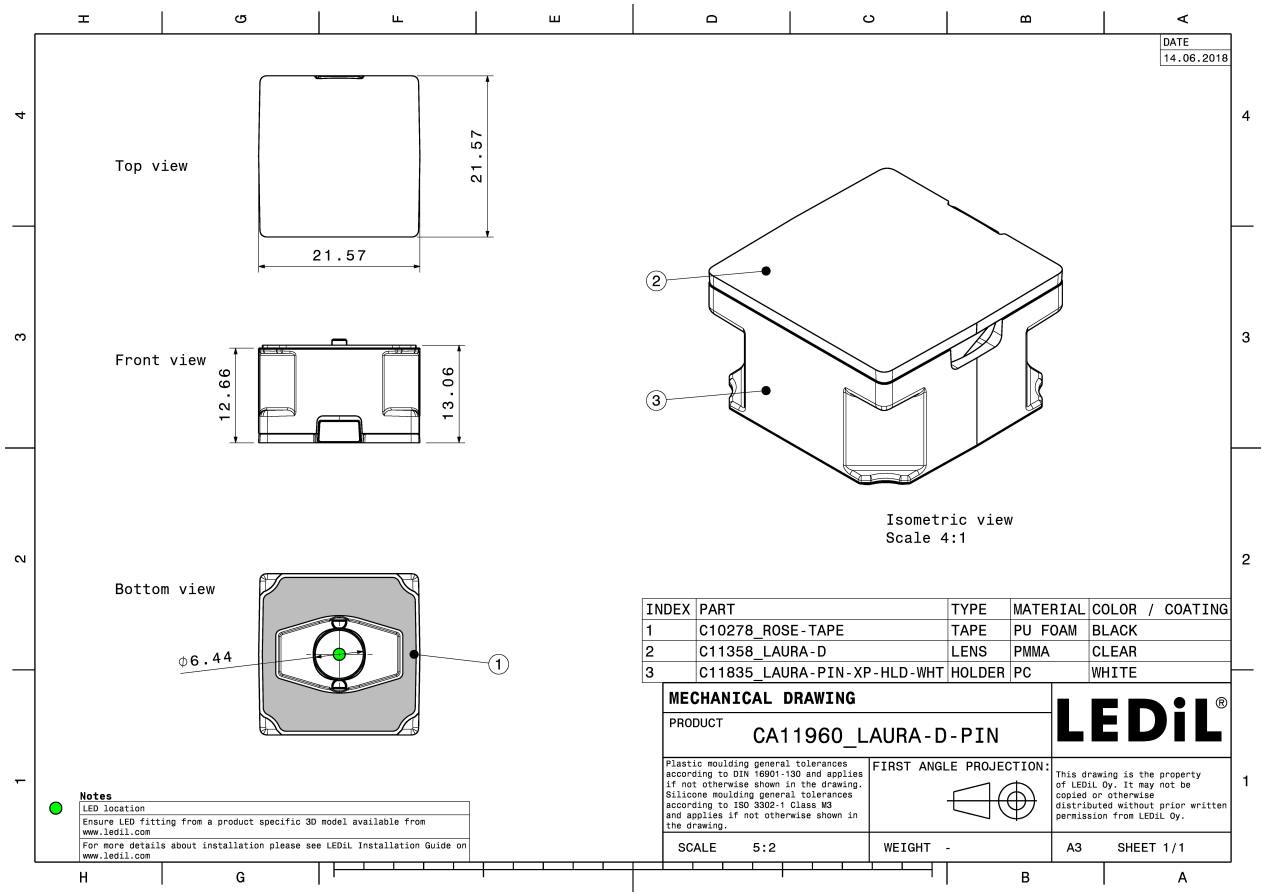
Dimensions	21.6 mm
Height	13.1 mm
Fastening	tape, pin
ROHS compliant	yes

MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LAURA-D	Single lens	PMMA	clear	
LAURA-PIN-XP-HLD-WHT	Holder	PC	white	
ROSE-TAPE	Tape	PU tape	black	

ORDERING INFORMATION:

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



INDEX	PART	TYPE	MATERIAL	COLOR / COATING
1	C10278_ROSE-TAPE	TAPE	PU FOAM	BLACK
2	C11358_LAURA-D	LENS	PMMA	CLEAR
3	C11835_LAURA-PIN-XP-HLD-WHT	HOLDER	PC	WHITE

PHOTOMETRIC DATA (MEASURED):

CREE

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

Required components:

CREE

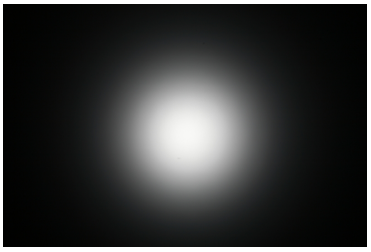
LED	XP-E-HEW
FWHM	15.0°
Efficiency	86 %
Peak intensity	6.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

CREE

LED	XP-E2
FWHM	15.0°
Efficiency	88 %
Peak intensity	6.4 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



CREE

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

Required components:

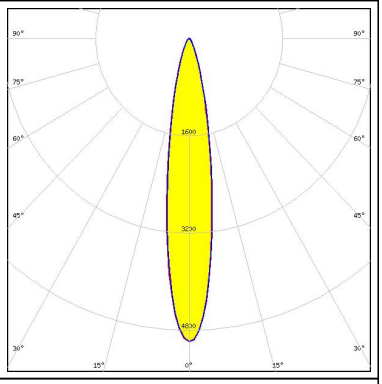
PHOTOMETRIC DATA (MEASURED):

LUMILEDS

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

LUMILEDS

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

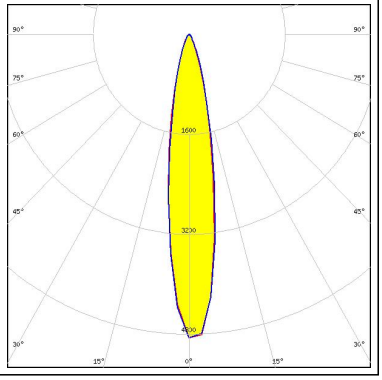


LUMILEDS

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

NICHIA

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

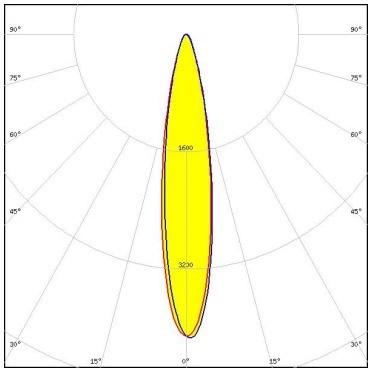


PHOTOMETRIC DATA (MEASURED):

NICHIA

LED	NF2x757D
FWHM	19.0°
Efficiency	84 %
Peak intensity	4.2 cd/lm
LEDs/each optic	1
Light colour	White

Required components:



OSRAM
Opto Semiconductors

LED	OSLON Square EC
FWHM	16.0°
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	12.0°
Efficiency	83 %
Peak intensity	8.9 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

OSRAM
Opto Semiconductors

LED	OSLON SSL 80
FWHM	14.0°
Efficiency	83 %
Peak intensity	7.3 cd/lm
LEDs/each optic	1
Light colour	White

Required components:

PHOTOMETRIC DATA (MEASURED):

OSRAM
Opto Semiconductors

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

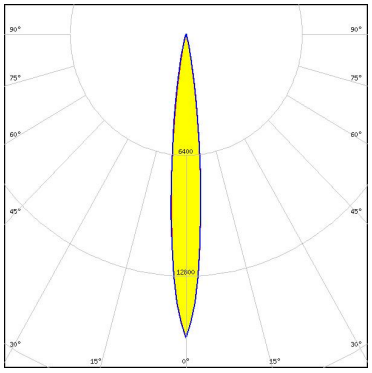
SEOUL SEMICONDUCTOR

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

PHOTOMETRIC DATA (SIMULATED):

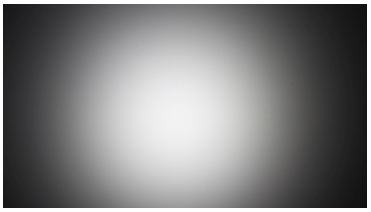
CREE

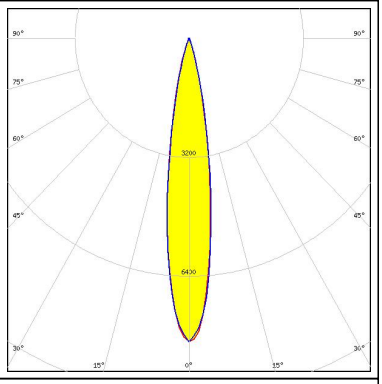
LED	XD16
FWHM	12.0°
Efficiency	90 %
Peak intensity	16.1 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	



CREE

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





LUMILEDS

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

LUMILEDS

LED	LUXEON IR Domed 150
FWHM	9.0°
Efficiency	0 %
LEDs/each optic	1
Light colour	White
Required components:	

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

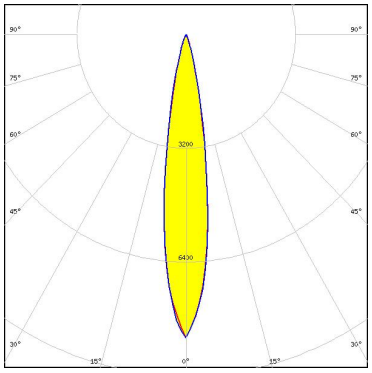
LED	LUXEON IR Domed 60
FWHM	12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

LUMILEDS

LED	LUXEON IR Domed 90
FWHM	12.0°
Efficiency	94 %
LEDs/each optic	1
Light colour	White
Required components:	

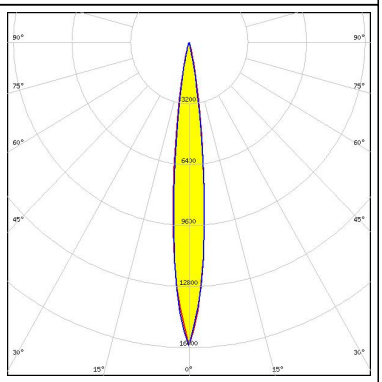
NICHIA

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



OSRAM
Opto Semiconductors

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



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	SFH 4715S
FWHM	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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