LXP2-RS2

~8.5° spot beam optimized for CREE XP-E. 14.7 mm high assembly with installation tape.

SPECIFICATION:

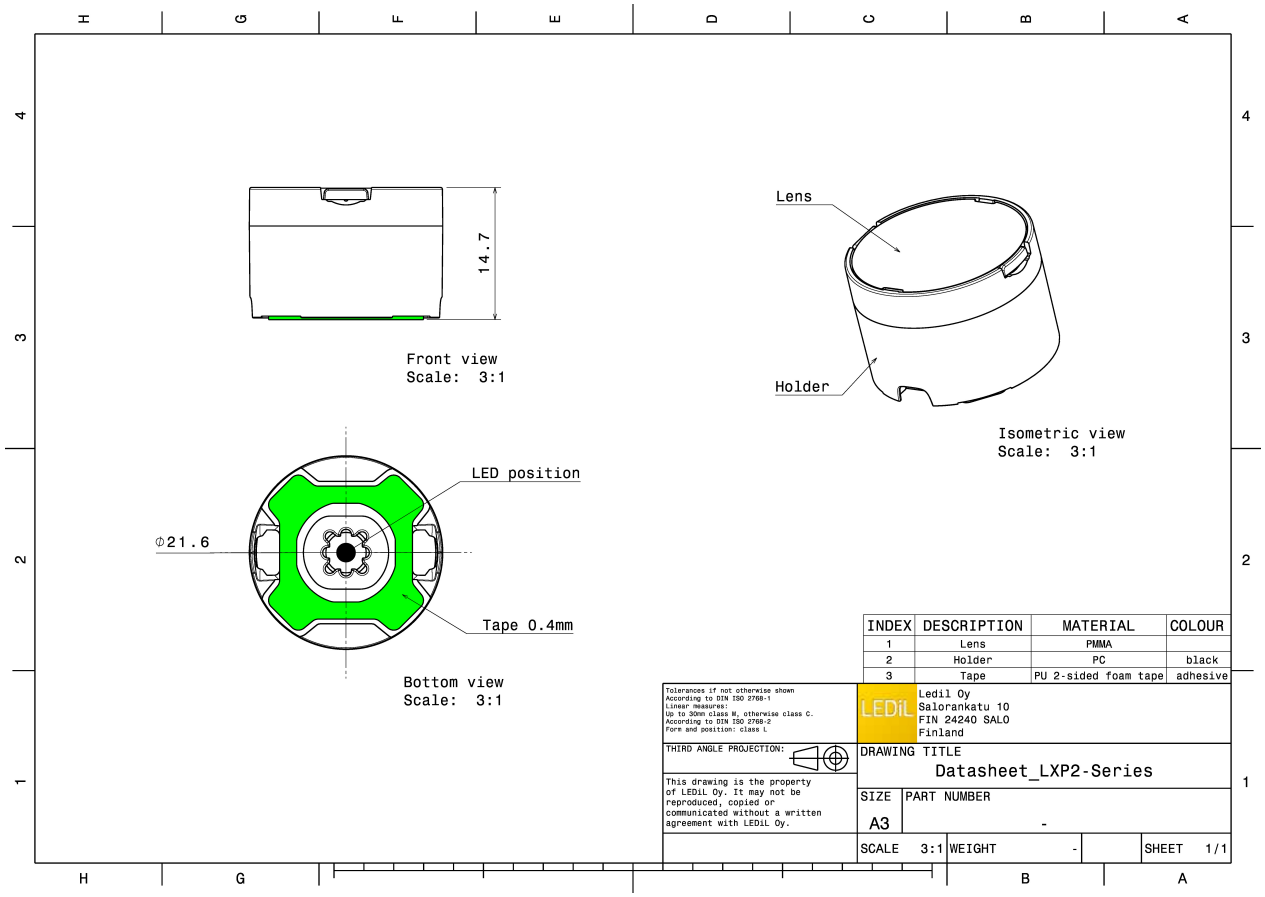
Dimensions	Ø 21.6
Height	14.7 mm
Fastening	tape
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LXP2-RS2	Single lens	PMMA			
LXP2-LH1-TAPE-BLK	Holder	PC	black		
HEIDI-TAPE	Tape	Acrylic foam tape	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA12816_LXP2-RS2 » Box size: 480 x 280 x 300 mm	1680	336	112	8.9



INDEX	DESCRIPTION	MATERIAL	COLOUR
1	Lens	PMMA	
2	Holder	PC	black
3	Tape	PU 2-sided foam tape	adhesive

Tolerances if not otherwise shown
According to DIN ISO 2768-1
Linear measures:
Up to 30mm class H, otherwise class C.
According to DIN ISO 2768-2
Form and position: class L

THIRD ANGLE PROJECTION:

Ledil Oy
Salorankatu 10
FIN 24240 SALO
Finland

DRAWING TITLE
Datasheet_LXP2-Series

SIZE A3 | PART NUMBER -

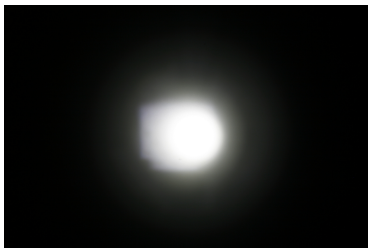
SCALE 3:1 | WEIGHT - | SHEET 1/1

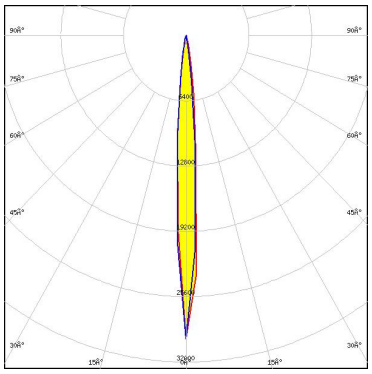
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-E2
FWHM / FWTM	8.0° / 19.0°
Efficiency	90 %
Peak intensity	29.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

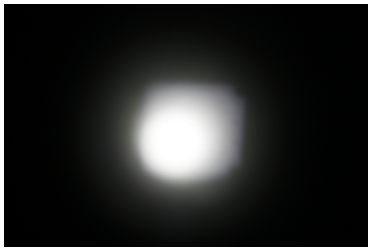


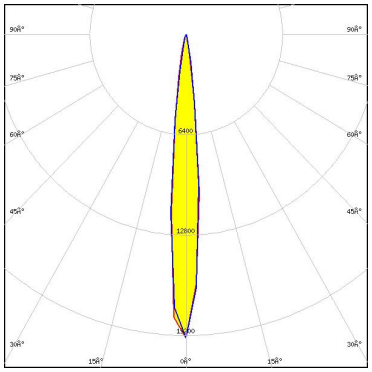


Light distribution files

CREE LEDs

LED	XP-G2
FWHM / FWTM	11.0° / 21.0°
Efficiency	90 %
Peak intensity	19.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

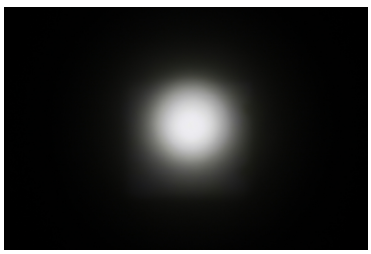


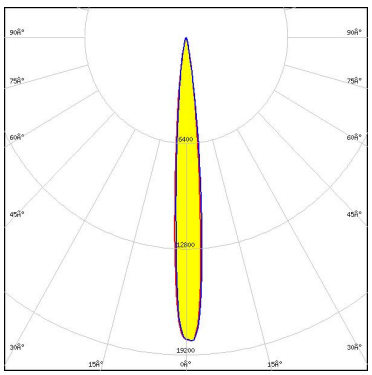


Light distribution files

CREE LEDs

LED	XP-L HI
FWHM / FWTM	10.0° / 20.0°
Efficiency	90 %
Peak intensity	18.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



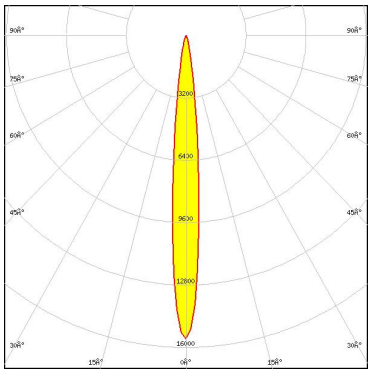


Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XT-E
FWHM / FWTM	8.0° / 18.0°
Efficiency	92 %
Peak intensity	15.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

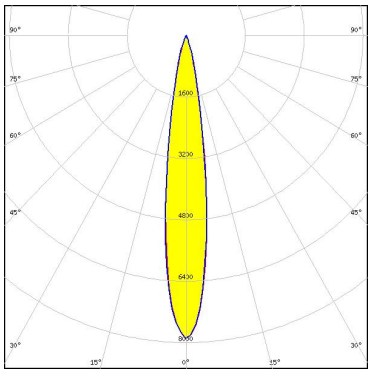


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

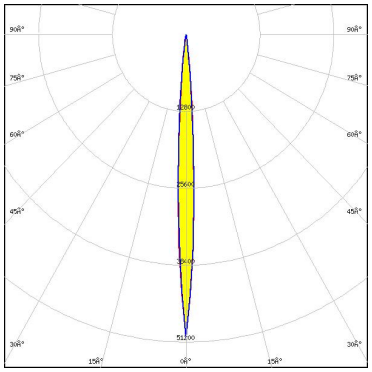
LED	XP-L2
FWHM / FWTM	16.0° / 32.0°
Efficiency	83 %
Peak intensity	7.9 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

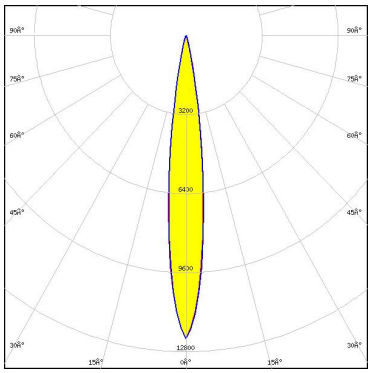
LED	LUXEON CZ
FWHM / FWTM	6.0° / 14.0°
Efficiency	92 %
Peak intensity	50.5 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON HL2X
FWHM / FWTM	14.0° / 26.0°
Efficiency	88 %
Peak intensity	12.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

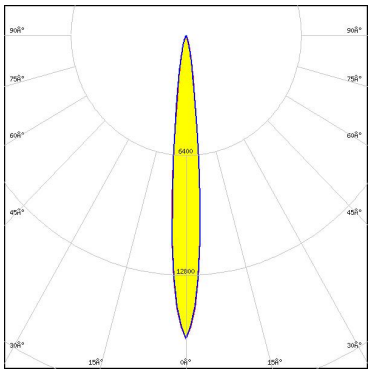


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMILEDS

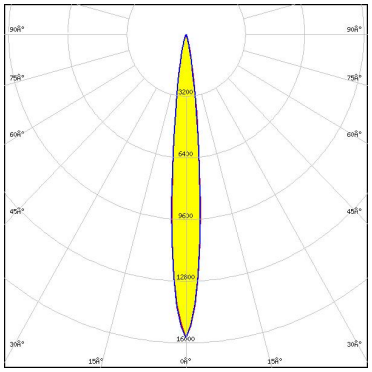
LED	LUXEON HL4Z
FWHM / FWTM	10.0° / 24.0°
Efficiency	92 %
Peak intensity	16.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

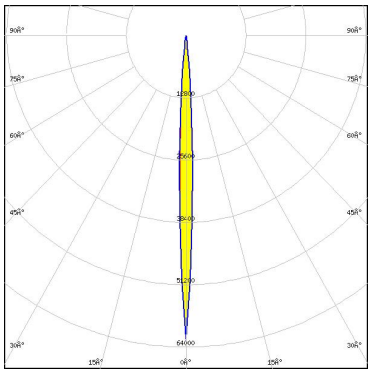
LED	LUXEON V2
FWHM / FWTM	11.0° / 24.0°
Efficiency	91 %
Peak intensity	15.7 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMINUS

LED	SFT-12R-W-A
FWHM / FWTM	6.0° / 12.0°
Efficiency	92 %
Peak intensity	62.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

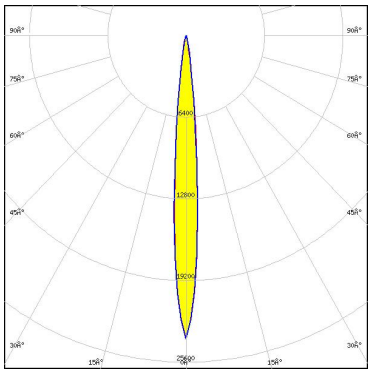


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMINUS

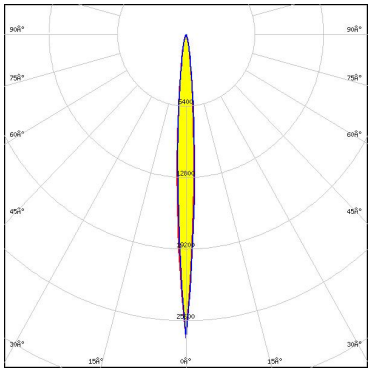
LED	SST-20 Gen2
FWHM / FWTM	9.0° / 18.0°
Efficiency	91 %
Peak intensity	23.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

NICHIA

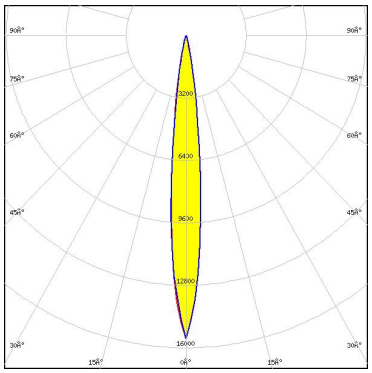
LED	NFSx757G
FWHM / FWTM	7.0° / 18.0°
Efficiency	93 %
Peak intensity	27.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

SAMSUNG

LED	LH351B
FWHM / FWTM	12.0° / 24.0°
Efficiency	91 %
Peak intensity	15.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

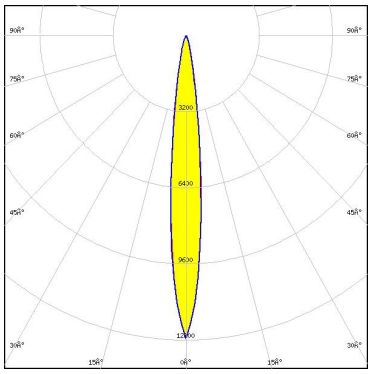


Light distribution files

OPTICAL RESULTS (SIMULATED):

SEOUL SEMICONDUCTOR

LED	Z8Y22P
FWHM / FWTM	12.0° / 26.0°
Efficiency	92 %
Peak intensity	12.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

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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