LXP3-RS2

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

SPECIFICATION:

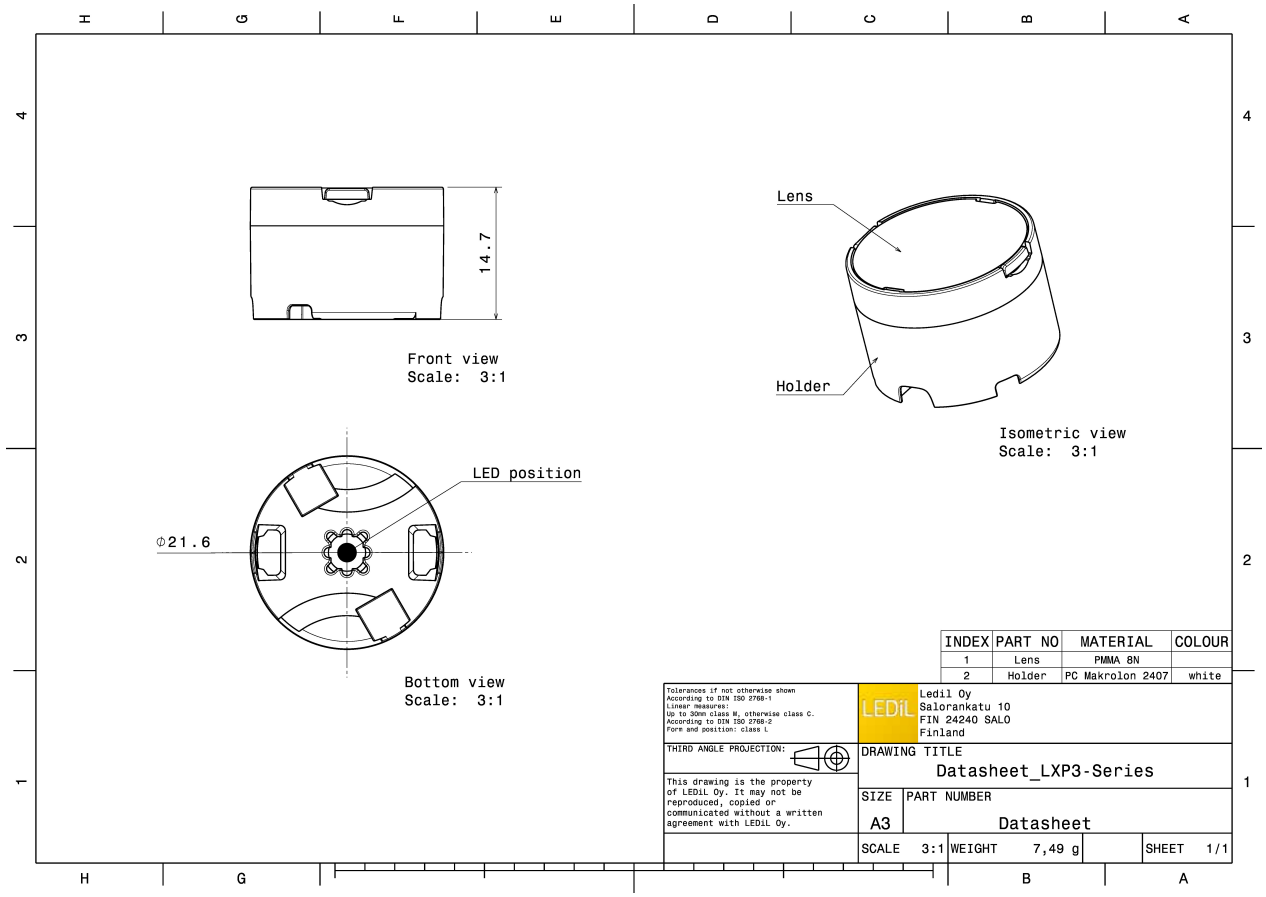
Dimensions	Ø 21.6
Height	14.7 mm
Fastening	glue
ROHS compliant	yes

MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LXP2-RS2	Single lens	PMMA			
LXP3-LH1-WHT	Holder	PC	white		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12817_LXP3-RS2	Single lens	1680	336	112	8.9
» Box size: 480 x 280 x 300 mm					



INDEX	PART NO	MATERIAL	COLOUR
1	Lens	PMMA 8N	
2	Holder	PC Makrolon 2407	white

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_LXP3-Series

SIZE A3 | PART NUMBER Datasheet

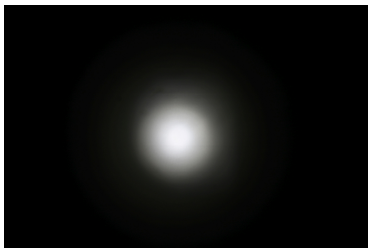
SCALE 3:1 | WEIGHT 7,49 g | SHEET 1/1

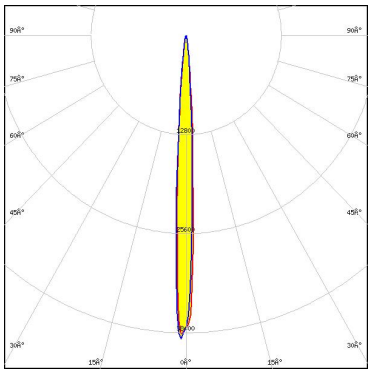
See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-E
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	39.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

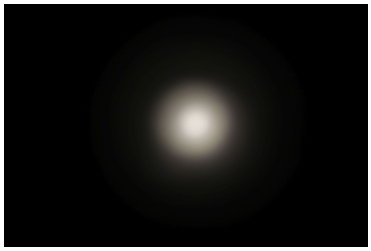


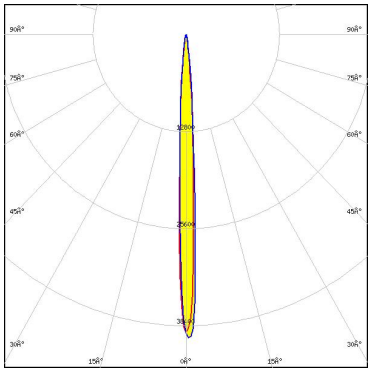


Light distribution files

CREE LEDs

LED	XP-E2
FWHM / FWTM	6.0° / 14.0°
Efficiency	94 %
Peak intensity	40 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

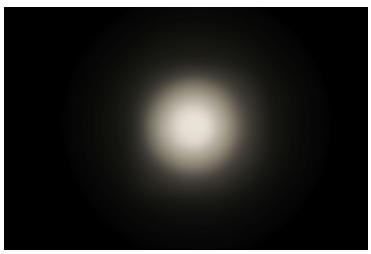


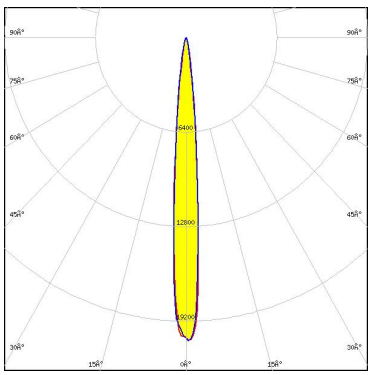


Light distribution files

CREE LEDs

LED	XP-G2
FWHM / FWTM	9.0° / 19.0°
Efficiency	94 %
Peak intensity	21 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



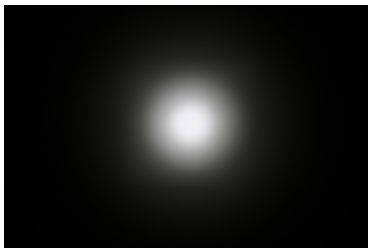


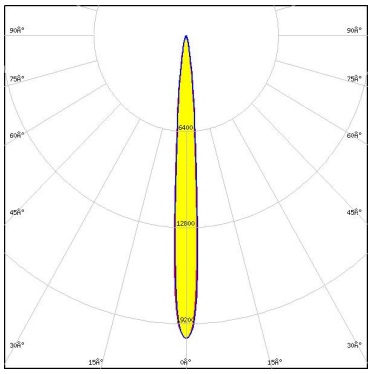
Light distribution files

OPTICAL RESULTS (MEASURED):

CREE LEDs

LED	XP-L HI
FWHM / FWTM	8.0° / 19.0°
Efficiency	93 %
Peak intensity	20 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

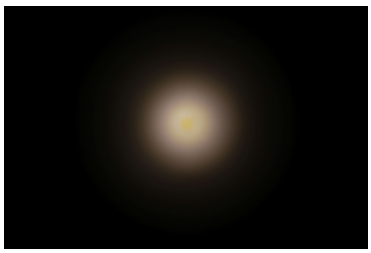


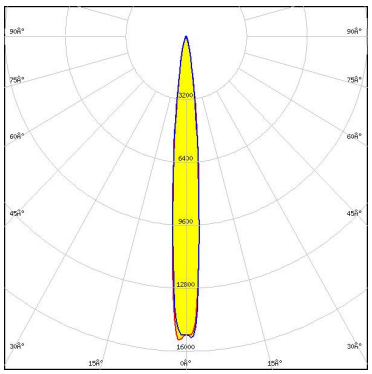


Light distribution files

CREE LEDs

LED	XT-E
FWHM / FWTM	10.0° / 22.0°
Efficiency	94 %
Peak intensity	15.4 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

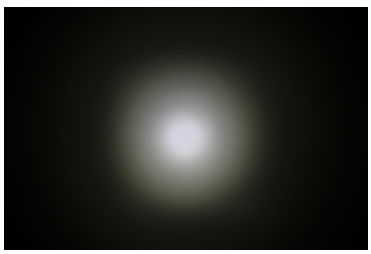


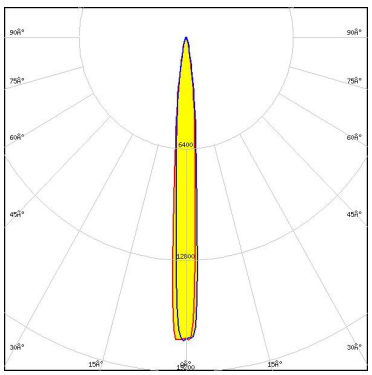


Light distribution files

TOSHIBA
Leading Innovation

LED	TL1L4
FWHM / FWTM	8.0° / 21.0°
Efficiency	94 %
Peak intensity	18 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



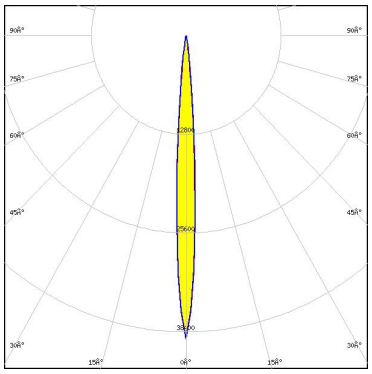


Light distribution files

OPTICAL RESULTS (SIMULATED):

CREE LEDs

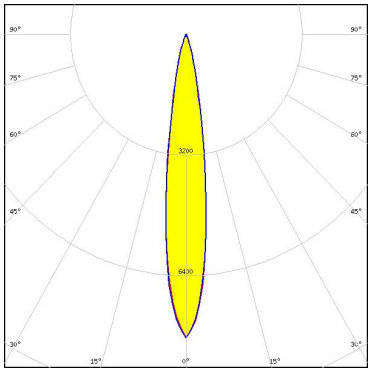
LED	XP-E2
FWHM / FWTM	7.2° / 15.0°
Efficiency	94 %
Peak intensity	39.3 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

CREE LEDs

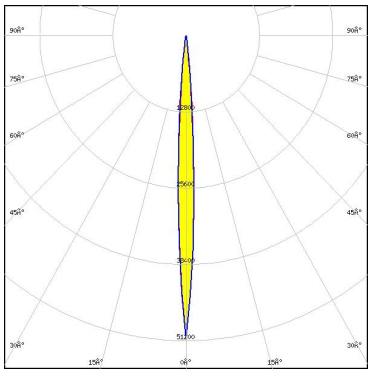
LED	XP-L2
FWHM / FWTM	16.0° / 32.0°
Efficiency	86 %
Peak intensity	8.1 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files

LUMILEDS

LED	LUXEON CZ
FWHM / FWTM	6.0° / 14.0°
Efficiency	95 %
Peak intensity	50.9 cd/lm
LEDs/each optic	1
Light colour/type	Red
Required components:	

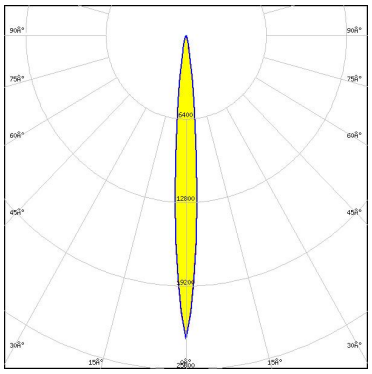


Light distribution files

OPTICAL RESULTS (SIMULATED):

LUMINUS

LED	SST-20 Gen1
FWHM / FWTM	8.0° / 20.0°
Efficiency	95 %
Peak intensity	23.2 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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