

LXP2-O-90

~10° x 40° oval beam optimized for CREE XP-E.
14.7 mm high assembly with installation tape.
Variant with beam direction rotated 90°.

SPECIFICATION:

Dimensions	Ø 21.6
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

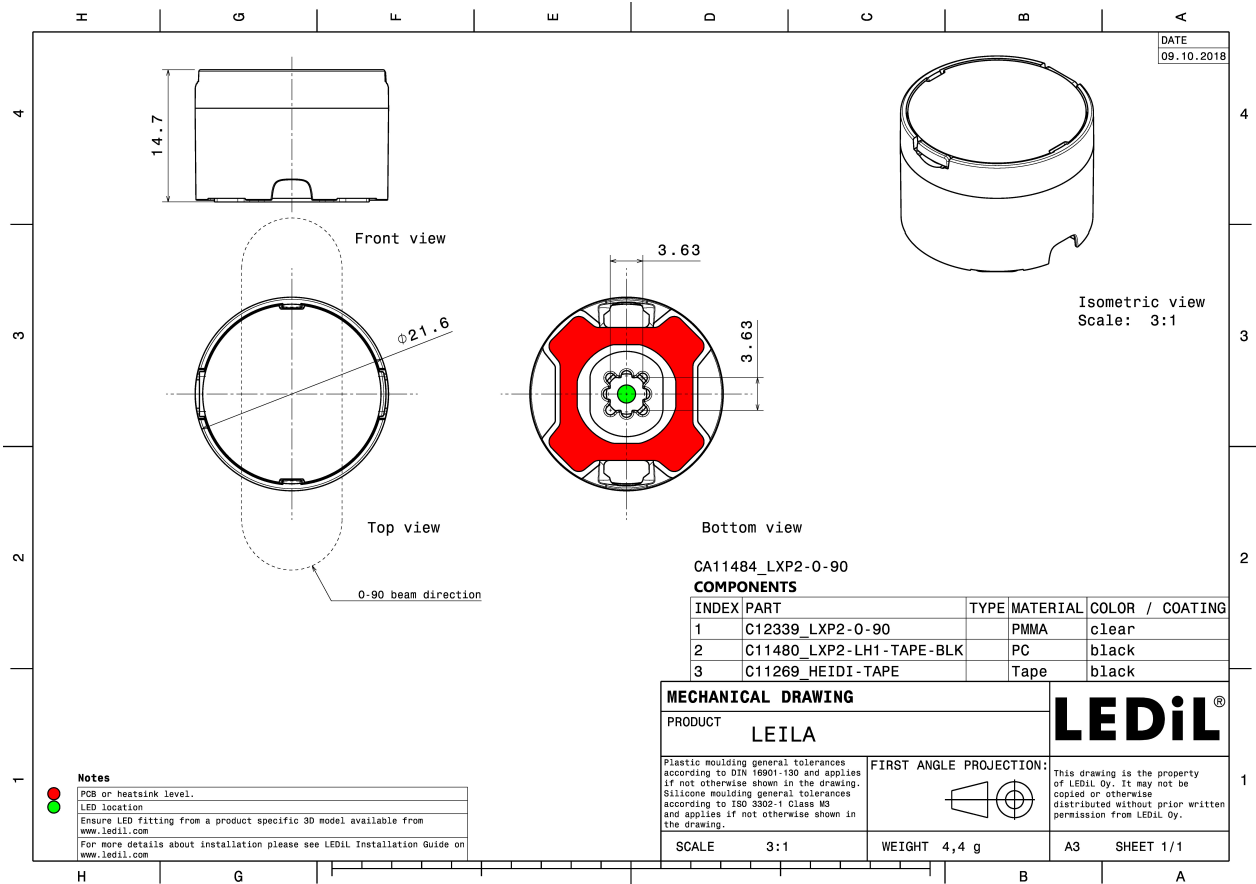


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
LXP2-O-90	Single lens	PMMA	clear		
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)
CA11484_LXP2-O-90 » Box size: 480 x 280 x 300 mm	1680	336	112	9.2

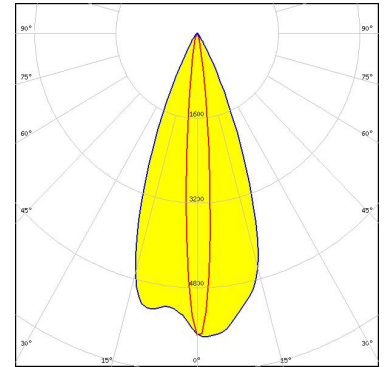


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



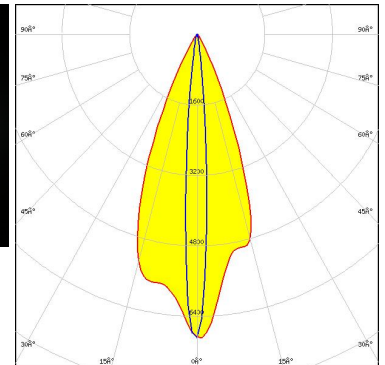
LED XP-E
FWHM / FWTM 9.0 + 41.0° / 20.0 + 61.0°
Efficiency 89 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



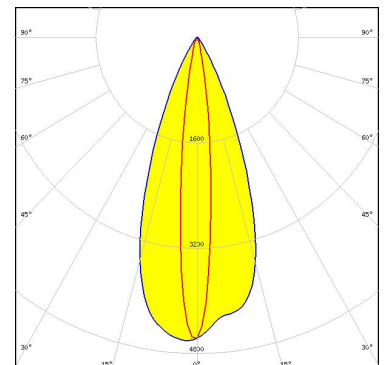
LED XP-E2
FWHM / FWTM 10.0 + 42.0° / 20.0 + 60.0°
Efficiency 86 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XP-G
FWHM / FWTM 12.0 + 40.0° / 25.0 + 63.0°
Efficiency 89 %
Peak intensity 4.6 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

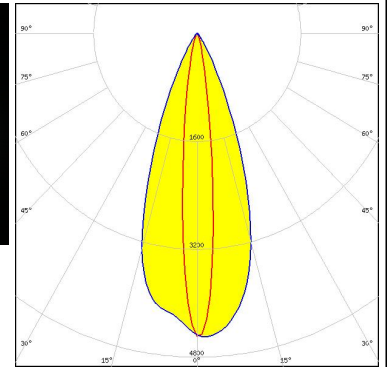
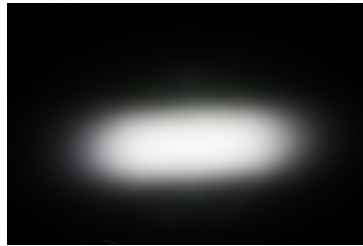


Light distribution files

OPTICAL RESULTS (MEASURED):



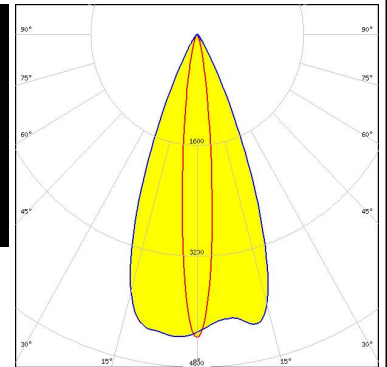
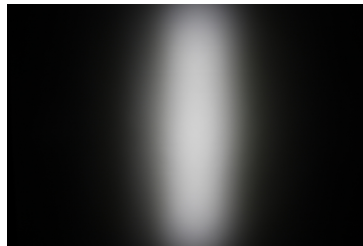
LED XP-G2
 FWHM / FWTM 12.0 + 40.0° / 27.0 + 62.0°
 Efficiency 87 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



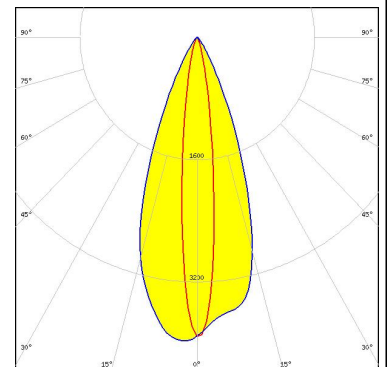
LED XP-L HI
 FWHM / FWTM 12.0 + 43.0° / 27.0 + 61.0°
 Efficiency 86 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XT-E
 FWHM / FWTM 13.0 + 41.0° / 30.0 + 63.0°
 Efficiency 84 %
 Peak intensity 4.1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

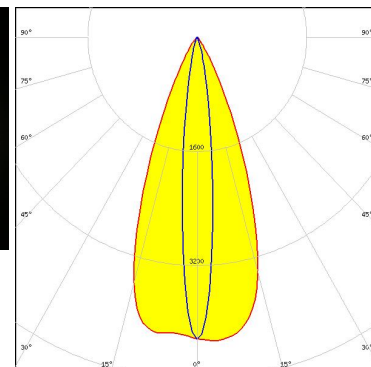
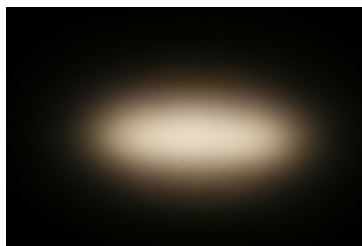


Light distribution files

OPTICAL RESULTS (MEASURED):



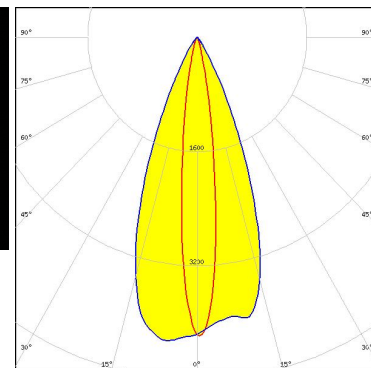
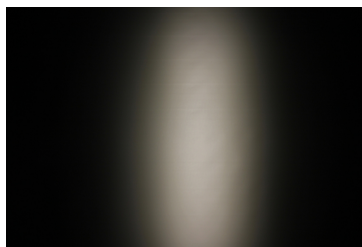
LED LUXEON Q
FWHM / FWTM 12.0 + 41.0° / 62.0 + 27.0°
Efficiency 85 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



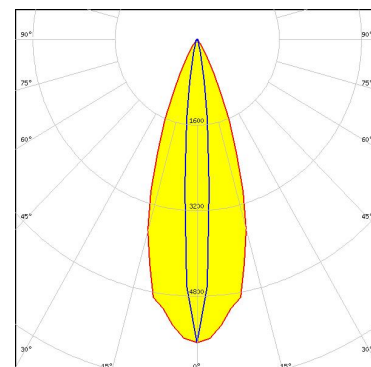
LED NVSW219D
FWHM / FWTM 13.0 + 42.0° / 28.0 + 62.0°
Efficiency 89 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED Z5
FWHM / FWTM 10.0 + 36.0° / 24.0 + 58.0°
Efficiency 89 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

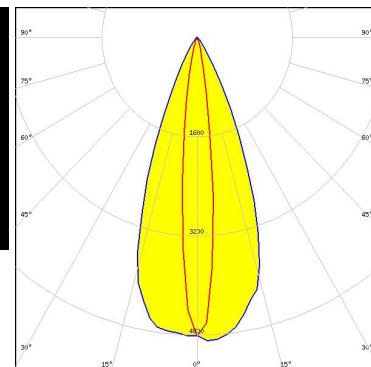
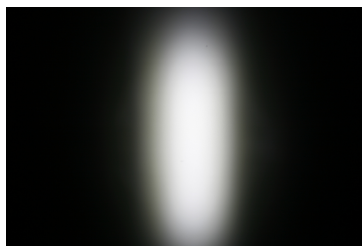


Light distribution files

OPTICAL RESULTS (MEASURED):


SEOUL SEMICONDUCTOR

LED Z5M1/Z5M2
FWHM / FWTM 13.0 + 42.0° / 26.0 + 63.0°
Efficiency 90 %
Peak intensity 4.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

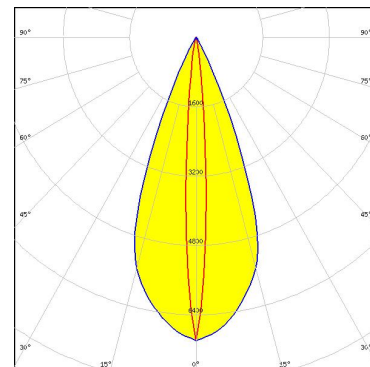


Light distribution files

OPTICAL RESULTS (SIMULATED):



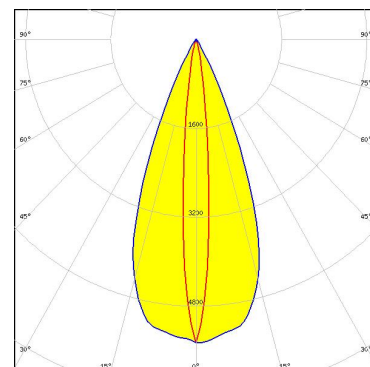
LED XP-P
 FWHM / FWTM 8.0 + 42.0° / 17.0 + 56.0°
 Efficiency 92 %
 Peak intensity 7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



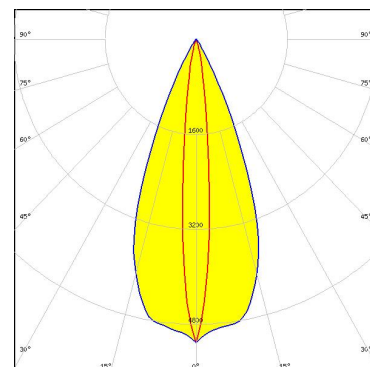
LED NCSxx19B
 FWHM / FWTM 10.0 + 42.0° / 22.0 + 58.0°
 Efficiency 90 %
 Peak intensity 5.5 cd/lm
 LEDs/each optic 1
 Light colour/type Red
 Required components:



Light distribution files



LED NCSxx19B
 FWHM / FWTM 10.0 + 42.0° / 24.0 + 60.0°
 Efficiency 90 %
 Peak intensity 5.1 cd/lm
 LEDs/each optic 1
 Light colour/type Blue
 Required components:

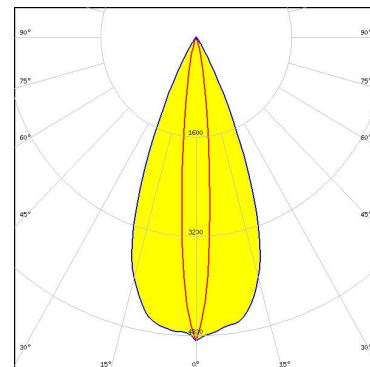


Light distribution files

OPTICAL RESULTS (SIMULATED):



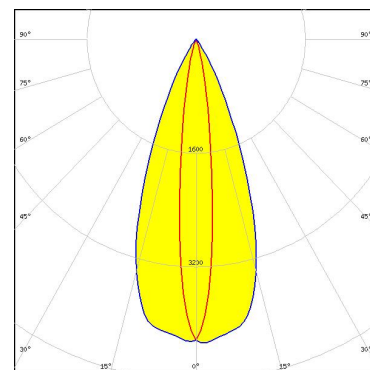
LED NCSxx19B
 FWHM / FWTM 11.0 + 44.0° / 26.0 + 60.0°
 Efficiency 90 %
 Peak intensity 4.9 cd/lm
 LEDs/each optic 1
 Light colour/type Green
 Required components:



Light distribution files



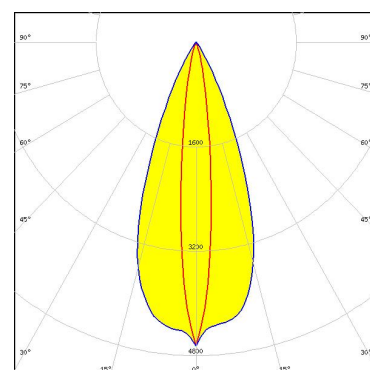
LED NVSxx19B/NVSxx19C
 FWHM / FWTM 12.0 + 42.0° / 28.0 + 62.0°
 Efficiency 88 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 12.0 + 41.0° / 28.0 + 62.0°
 Efficiency 90 %
 Peak intensity 4.7 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

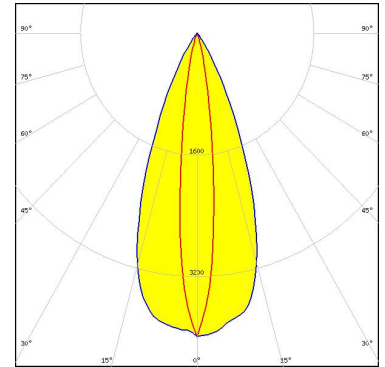


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

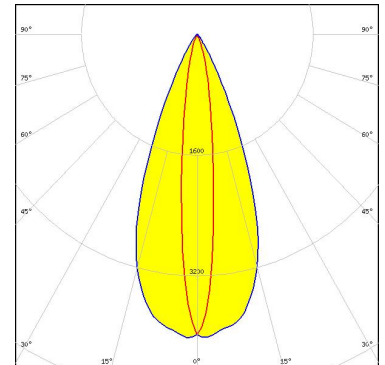
LED LH351C
 FWHM / FWTM 14.0 + 42.0° / 28.0 + 64.0°
 Efficiency 83 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

SAMSUNG

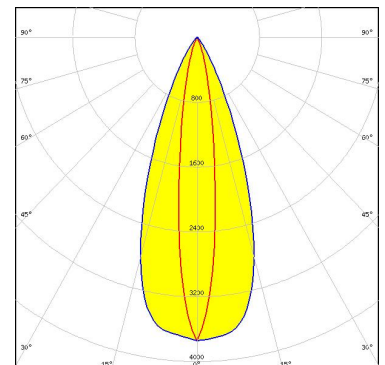
LED LM302D
 FWHM / FWTM 13.0 + 42.0° / 32.0 + 62.0°
 Efficiency 88 %
 Peak intensity 4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED Z8Y22P
 FWHM / FWTM 40.0 + 14.0° / 64.0 + 34.0°
 Efficiency 87 %
 Peak intensity 3.8 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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