

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 mm
Height	14.7 mm
Fastening	tape
ROHS compliant	yes ⓘ

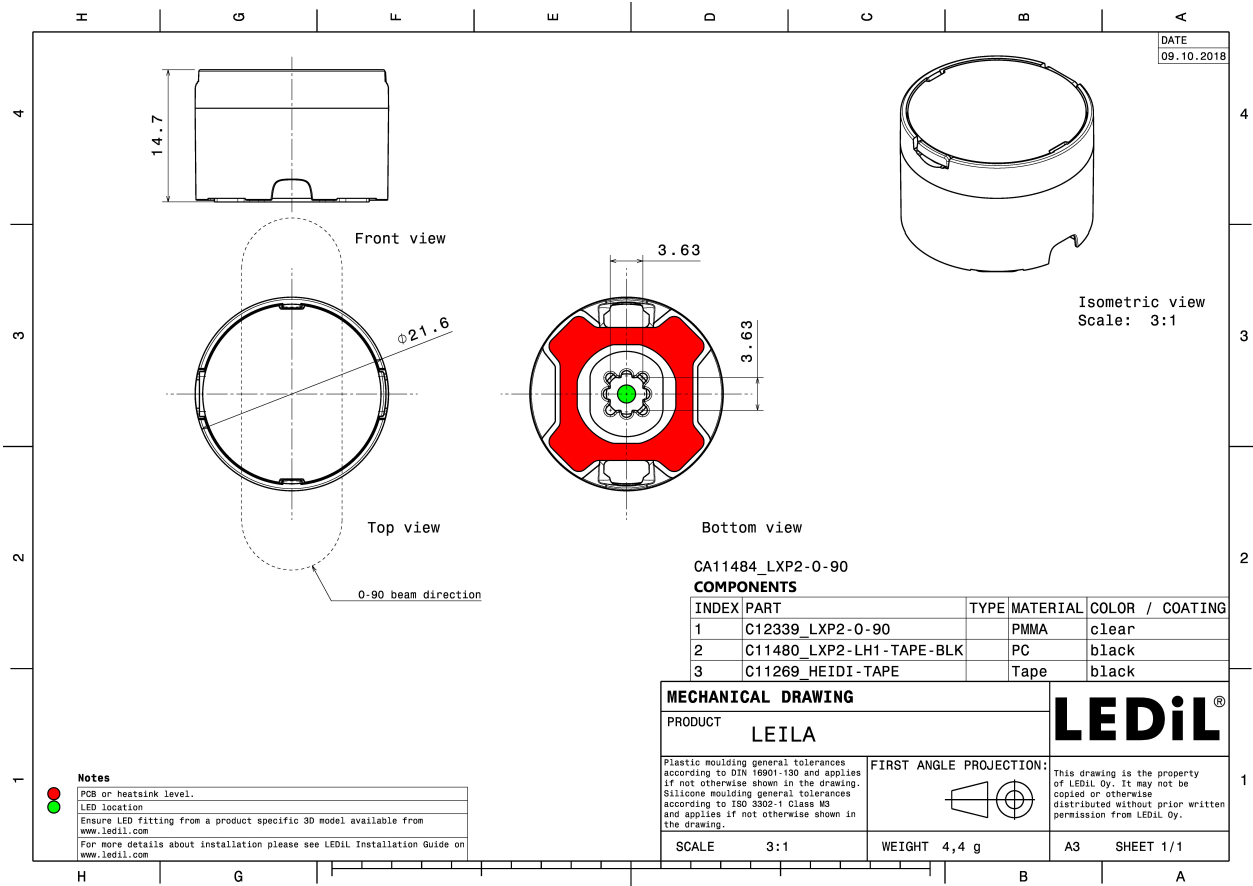


MATERIALS:

Component	Type	Material	Colour	Finish	Length
LXP2-O-90	Single lens	PMMA	clear		20.0
LXP2-LH1-TAPE-BLK	Holder	PC	black		21.6
HEIDI-TAPE	Tape	Acrylic foam	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

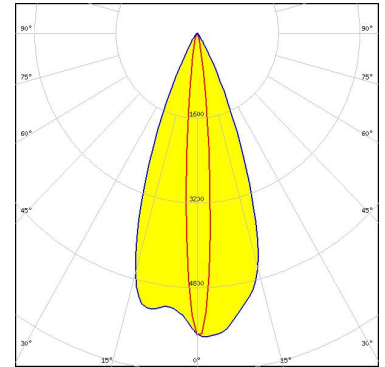


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



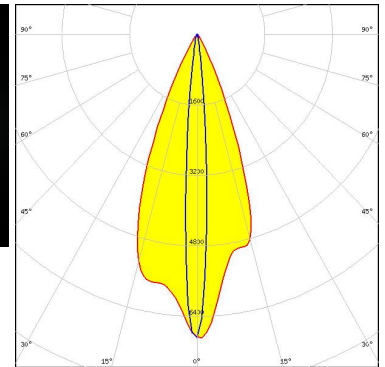
LED XP-E
FWHM / FWTM 9.0 + 41.0° / 20.0 + 61.0°
Efficiency 89 %
Peak intensity 5.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



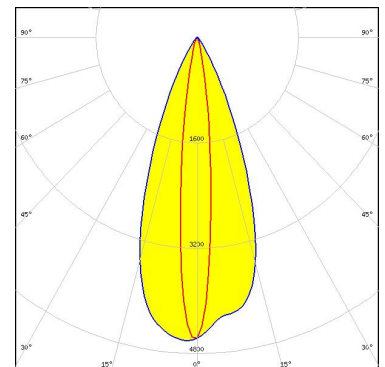
LED XP-E2
FWHM / FWTM 10.0 + 42.0° / 20.0 + 60.0°
Efficiency 86 %
Peak intensity 6.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



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:

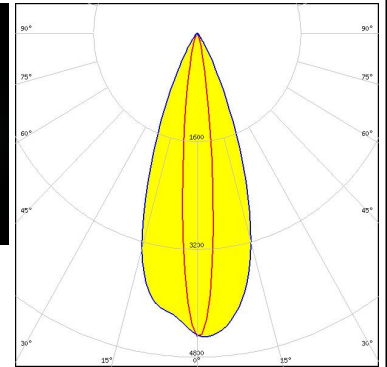


Light distribution files

OPTICAL RESULTS (MEASURED):



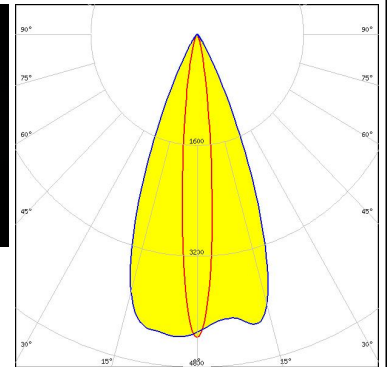
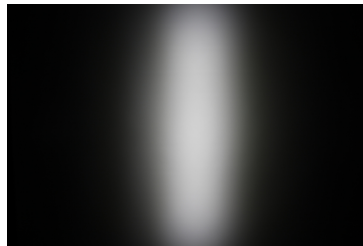
LED XP-G2
 FWHM / FWTM 12.0 + 40.0° / 27.0 + 62.0°
 Efficiency 87 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



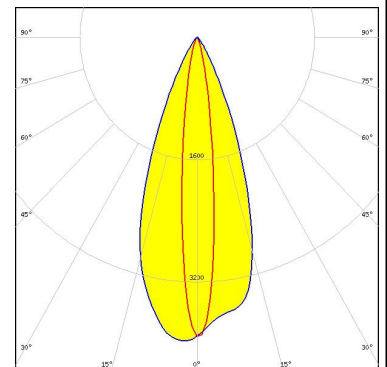
LED XP-L HI
 FWHM / FWTM 12.0 + 43.0° / 27.0 + 61.0°
 Efficiency 86 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



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:

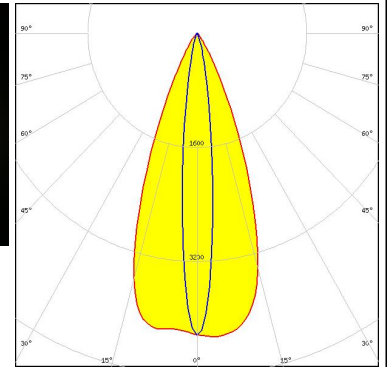


Light distribution files

OPTICAL RESULTS (MEASURED):



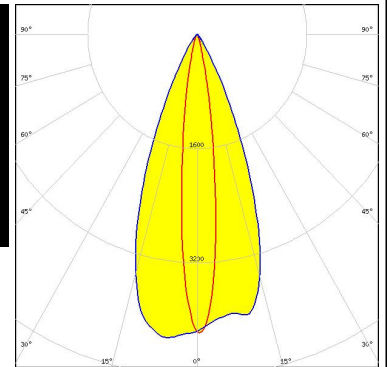
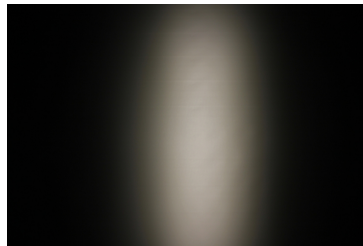
LED LUXEON Q
FWHM / FWTM 12.0 + 41.0° / 62.0 + 27.0°
Efficiency 85 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



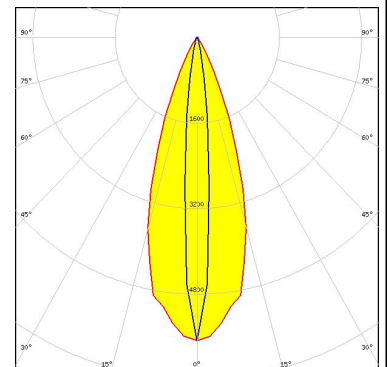
LED NVSW219D
FWHM / FWTM 13.0 + 42.0° / 28.0 + 62.0°
Efficiency 89 %
Peak intensity 4.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files




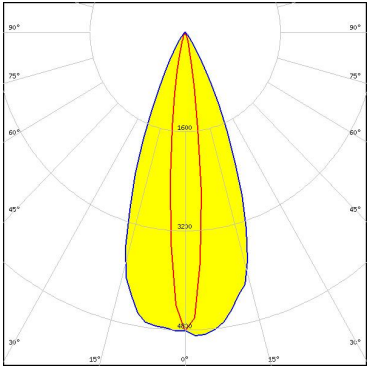
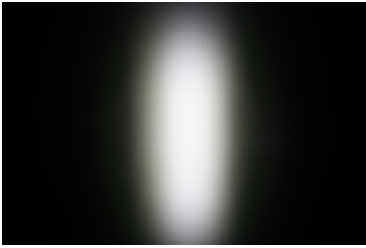
LED Z5
FWHM / FWTM 10.0 + 36.0° / 24.0 + 58.0°
Efficiency 89 %
Peak intensity 5.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

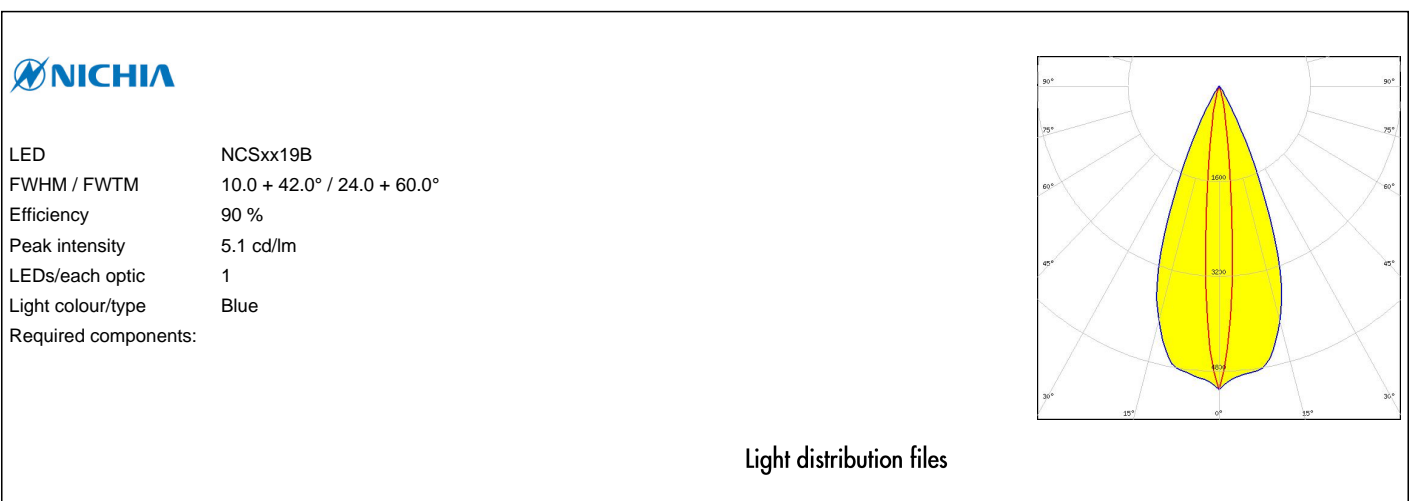
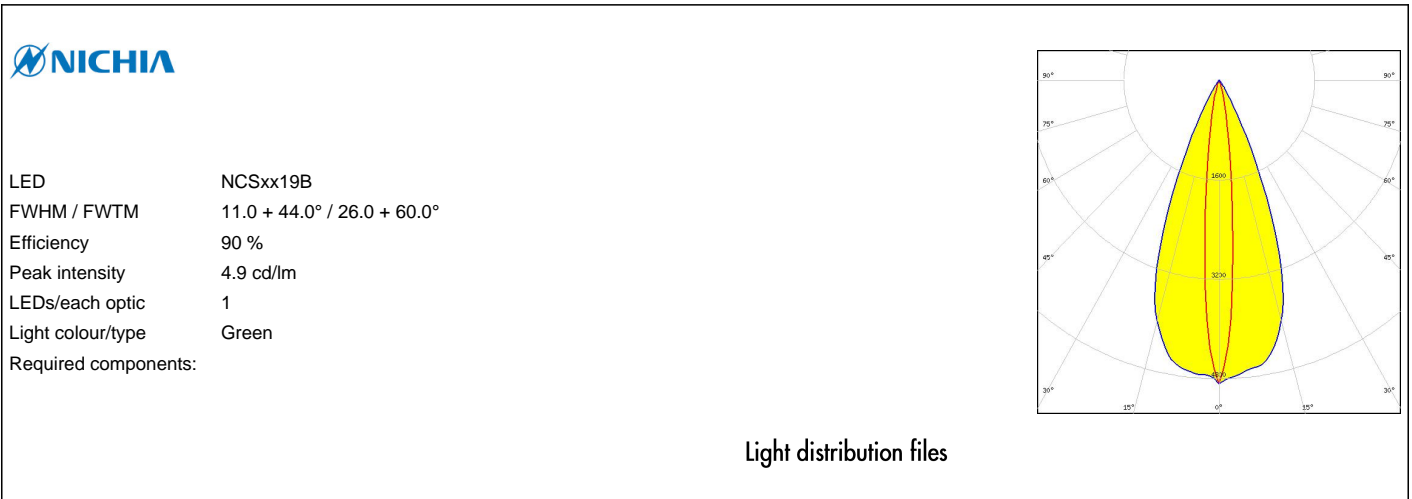
OPTICAL RESULTS (MEASURED):

 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

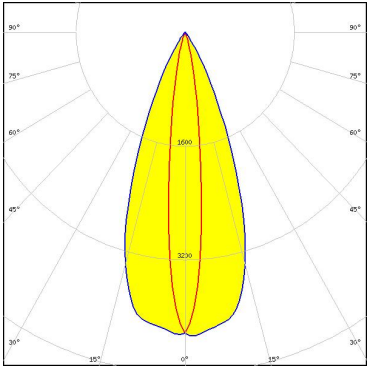
OPTICAL RESULTS (SIMULATED):



OPTICAL RESULTS (SIMULATED):

NICHIA

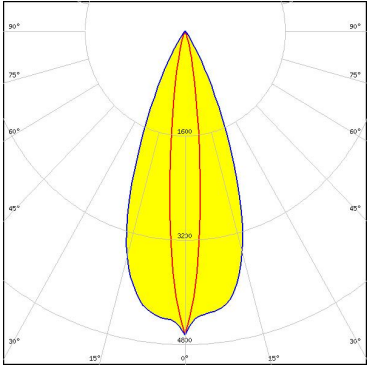
LED: NVSxx19B/NVSxx19C
 FWHM / FWTM: 12.0 + 42.0° / 28.0 + 62.0°
 Efficiency: 88 %
 Peak intensity: 4.3 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files

OSRAM
Opto Semiconductors

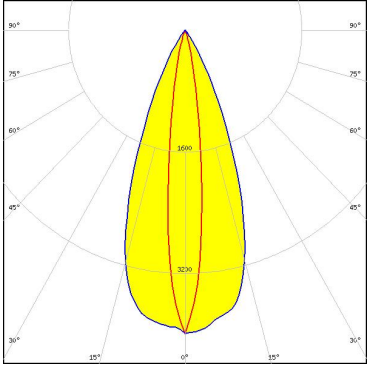
LED: OSOLON Square CSSRM2/CSSRM3
 FWHM / FWTM: 12.0 + 41.0° / 28.0 + 62.0°
 Efficiency: 90 %
 Peak intensity: 4.7 cd/lm
 LEDs/each optic: 1
 Light colour/type: White
 Required components:



Light distribution files

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:

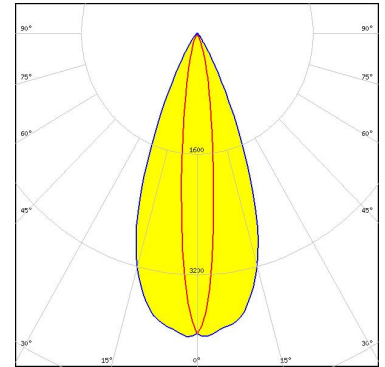


Light distribution files

OPTICAL RESULTS (SIMULATED):

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:	

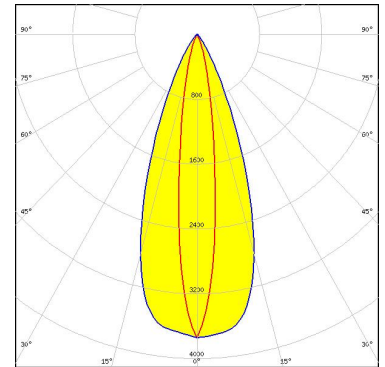


Light distribution files



SEOUL SEMICONDUCTOR

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:

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