

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 ⓘ

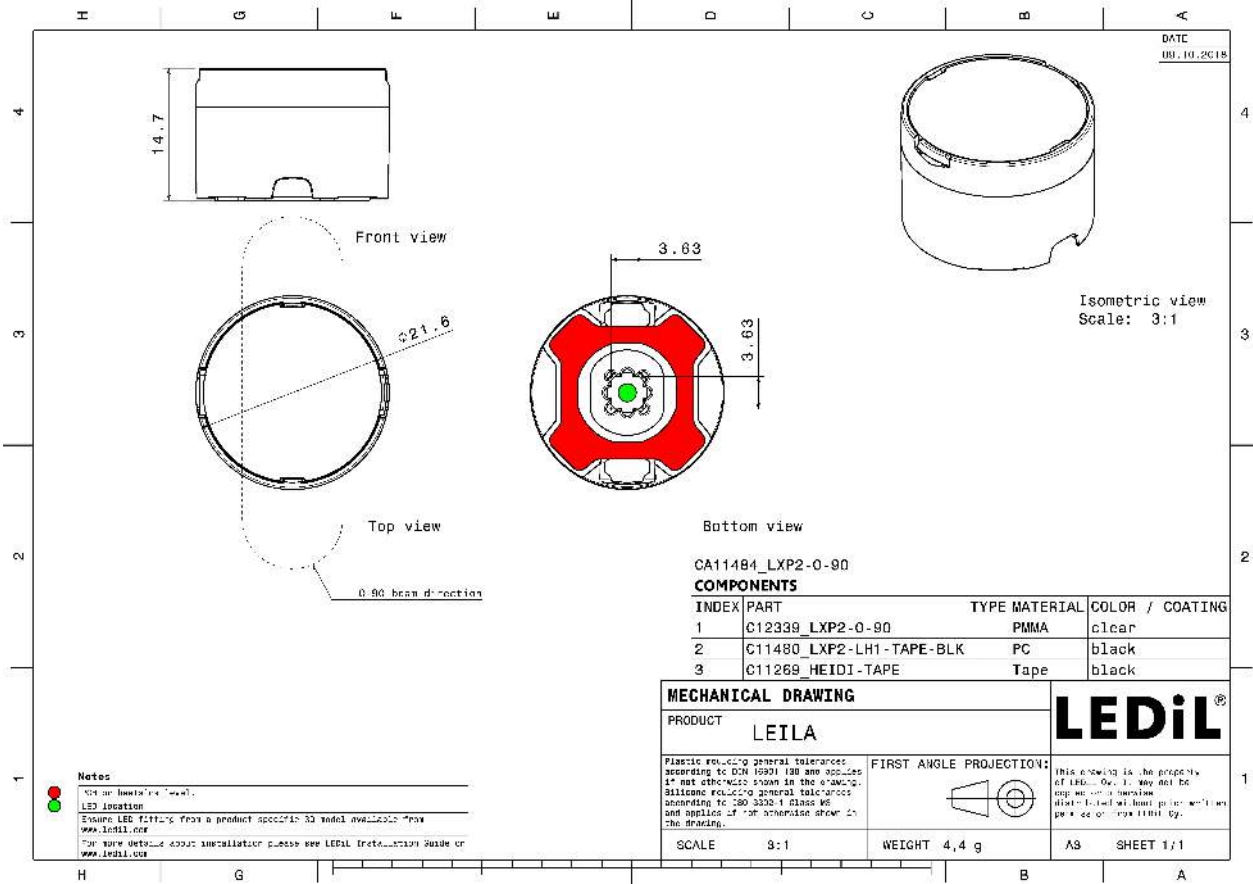


MATERIALS:

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

ORDERING INFORMATION:

Component	Type	Qty in box	MOQ	MPQ	Box weight (kg)
CA11484_LXP2-O-90 » Box size: 480 x 280 x 300 mm	Single lens	1680	336	112	9.2

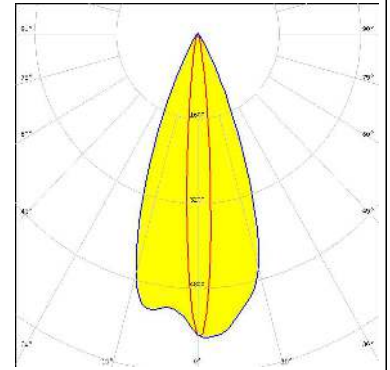


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

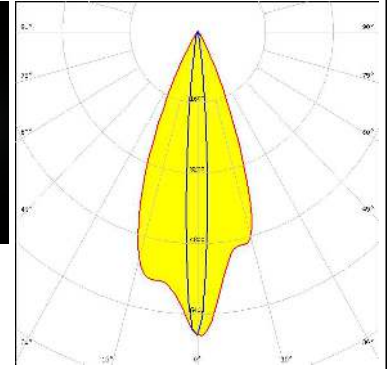
CREE LED

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 White
 Required components:



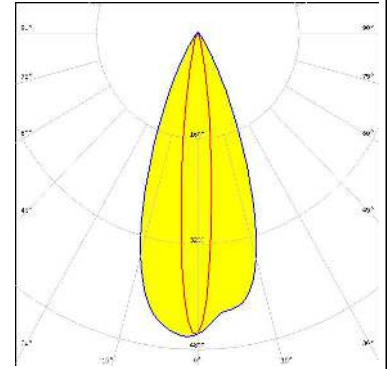
CREE LED

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 White
 Required components:



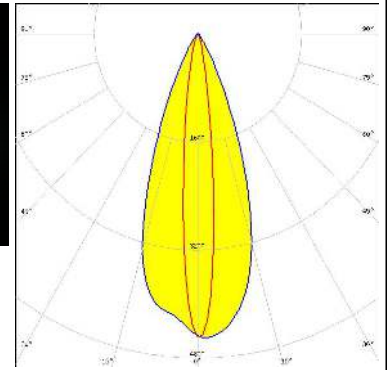
CREE LED

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 White
 Required components:



CREE LED

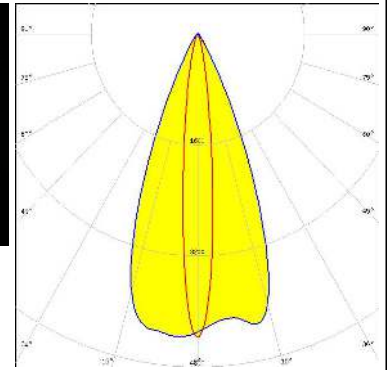
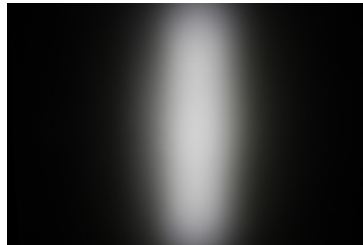
LED XP-G2
 FWHM / FWTM 12.0 + 40.0° / 27.0 + 62.0°
 Efficiency 87 %
 Peak intensity 4.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):

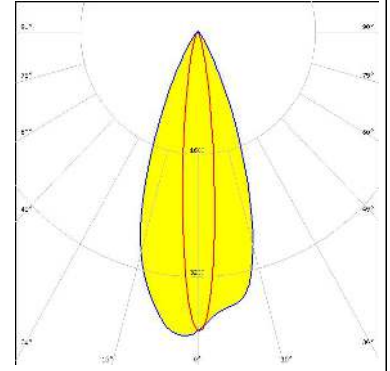
CREE → LED

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 White
 Required components:



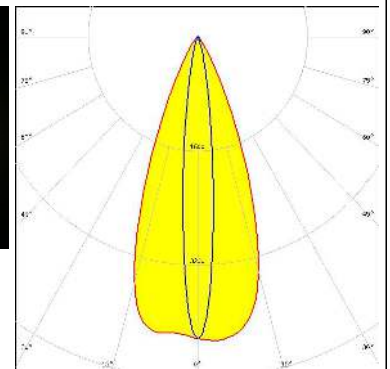
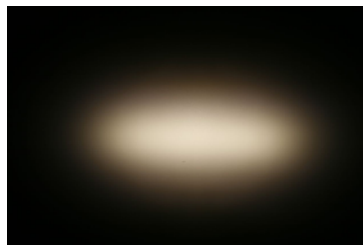
CREE → LED

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 White
 Required components:



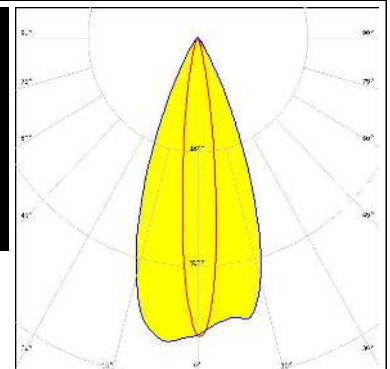
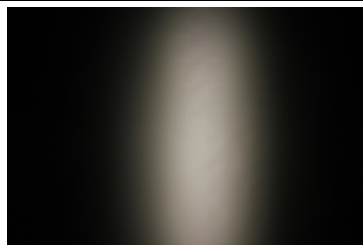
LUMILEDS

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 White
 Required components:


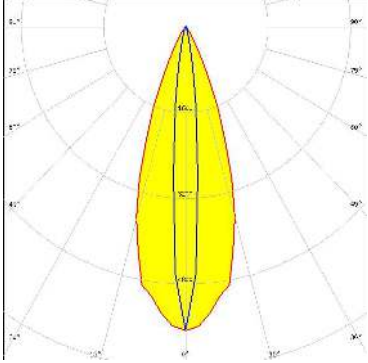


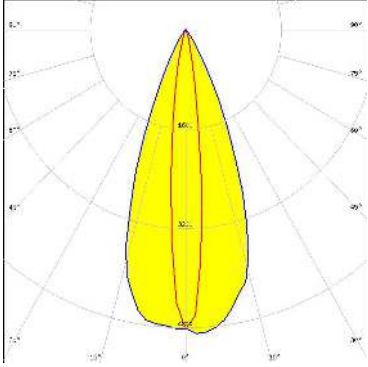


NICHIA

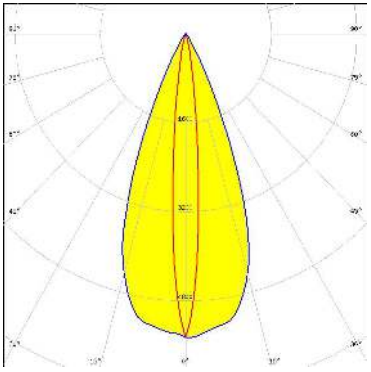
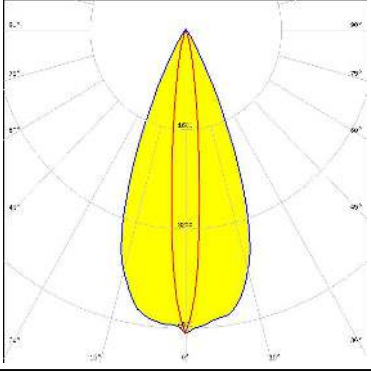
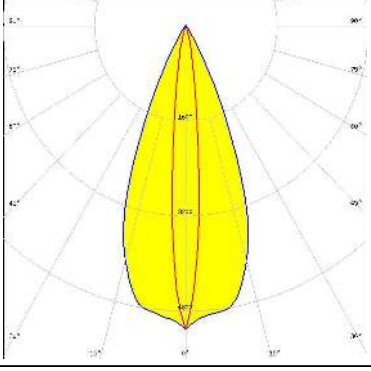
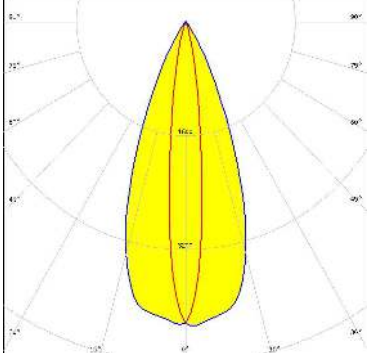
LED NVSW219D
 FWHM / FWTM 13.0 + 42.0° / 28.0 + 62.0°
 Efficiency 89 %
 Peak intensity 4.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



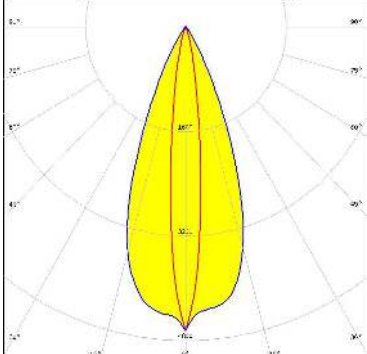
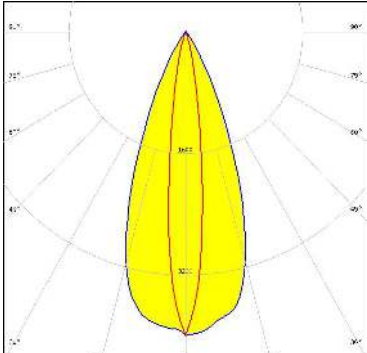
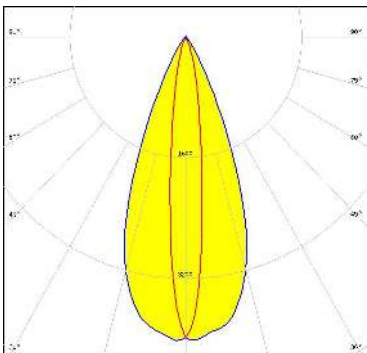
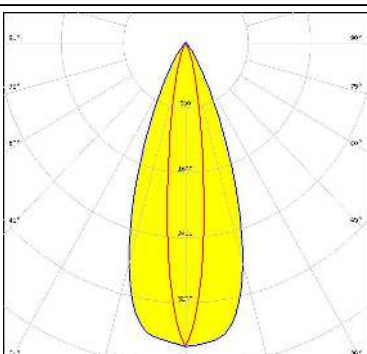
OPTICAL RESULTS (MEASURED):

<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5</p> <p>FWHM / FWTM 10.0 + 36.0° / 24.0 + 58.0°</p> <p>Efficiency 89 %</p> <p>Peak intensity 5.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p> SEOUL SEMICONDUCTOR</p> <p>LED Z5M1/Z5M2</p> <p>FWHM / FWTM 13.0 + 42.0° / 26.0 + 63.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.9 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>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 Red Required components:</p>	
<p>NICHIA</p> <p>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 Green Required components:</p>	
<p>NICHIA</p> <p>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 Blue Required components:</p>	
<p>NICHIA</p> <p>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 White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 12.0 + 41.0° / 28.0 + 62.0°</p> <p>Efficiency 90 %</p> <p>Peak intensity 4.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LH351C</p> <p>FWHM / FWTM 14.0 + 42.0° / 28.0 + 64.0°</p> <p>Efficiency 83 %</p> <p>Peak intensity 4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LM302D</p> <p>FWHM / FWTM 13.0 + 42.0° / 32.0 + 62.0°</p> <p>Efficiency 88 %</p> <p>Peak intensity 4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEOL SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 40.0 + 14.0° / 64.0 + 34.0°</p> <p>Efficiency 87 %</p> <p>Peak intensity 3.8 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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