

LXP2-RS

~9.6° spot beam optimized for CREE XP-E. 14.7 mm high assembly with installation tape.

SPECIFICATION:

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

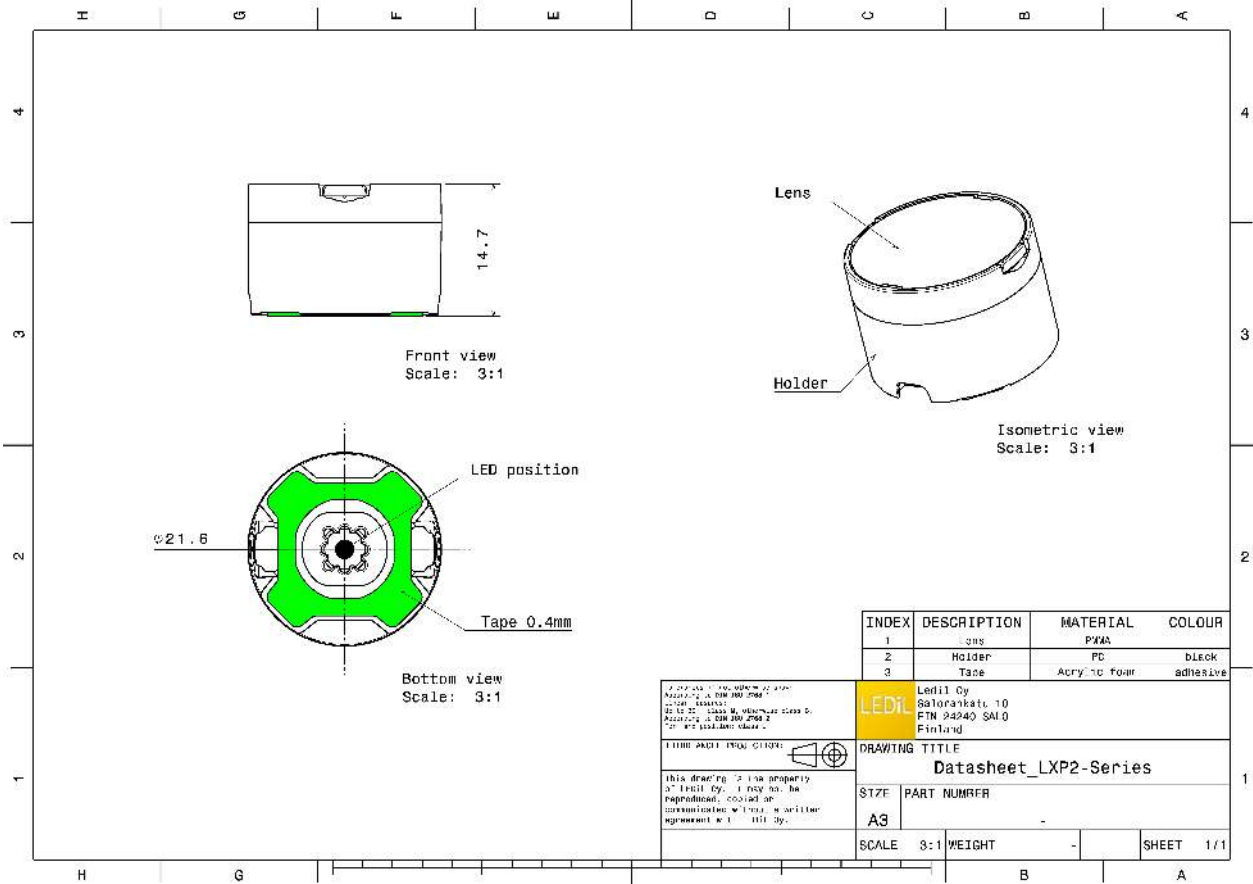


MATERIALS:

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

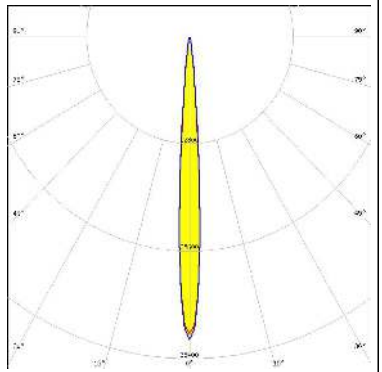

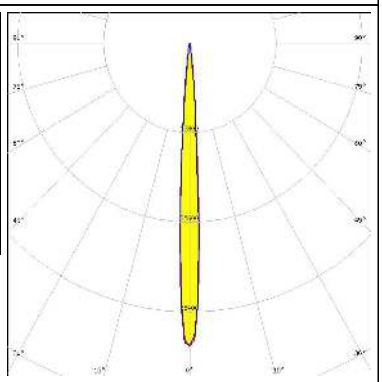
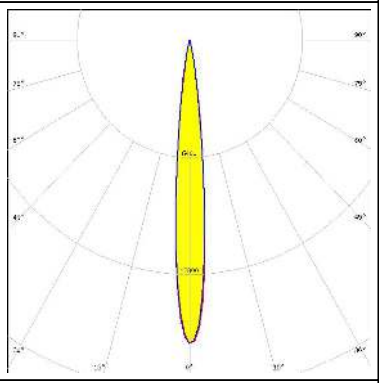

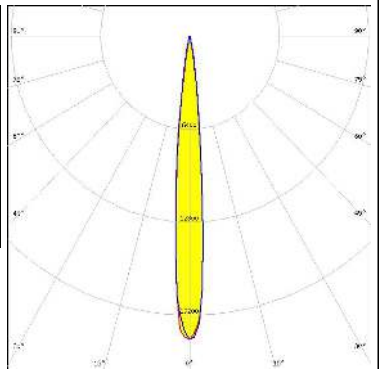
ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA11481_LXP2-RS	Single lens	1680	336	112	9.5
» Box size: 480 x 280 x 300 mm					


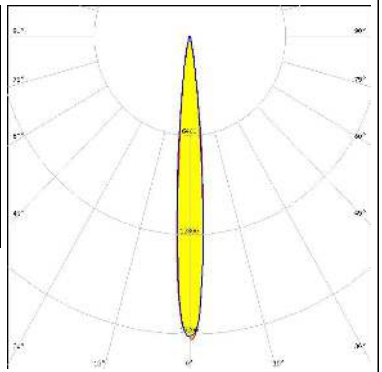

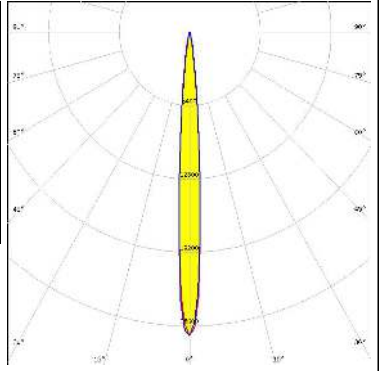

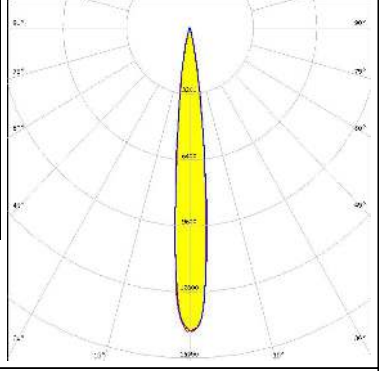

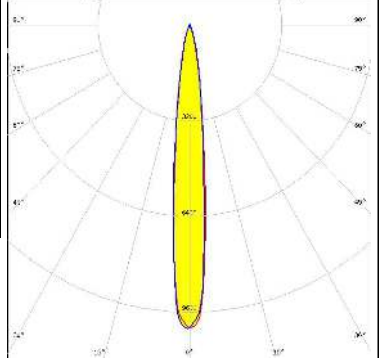


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

<p>CREE ⇄ LED</p> <p>LED: XP-E FWHM / FWTM: 7.0° Efficiency: 94 % LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED: XP-E2 FWHM / FWTM: 8.0° / 14.0° Efficiency: 90 % Peak intensity: 44 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED: XP-G FWHM / FWTM: 10.0° Efficiency: 94 % LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>CREE ⇄ LED</p> <p>LED: XP-G2 FWHM / FWTM: 10.0° / 19.0° Efficiency: 94 % Peak intensity: 21 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		

OPTICAL RESULTS (MEASURED):

<p>CREE LED</p> <p>LED: XP-L HI FWHM / FWTM: 10.0° / 20.0° Efficiency: 89 % Peak intensity: 20 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>NICHIA</p> <p>LED: NCSxx19A FWHM / FWTM: 8.0° / 18.0° Efficiency: 86 % Peak intensity: 26.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>NICHIA</p> <p>LED: NVSW219D FWHM / FWTM: 12.0° / 23.0° Efficiency: 92 % Peak intensity: 14.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		
<p>NICHIA</p> <p>LED: NVSW3x9A FWHM / FWTM: 12.0° / 28.0° Efficiency: 83 % Peak intensity: 10.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>		

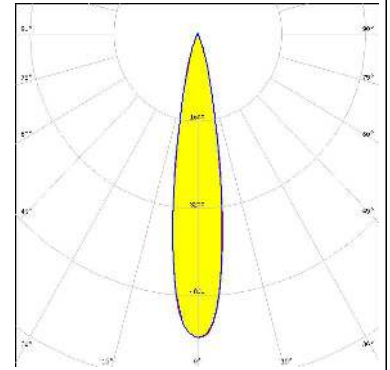
OPTICAL RESULTS (MEASURED):



OPTICAL RESULTS (SIMULATED):

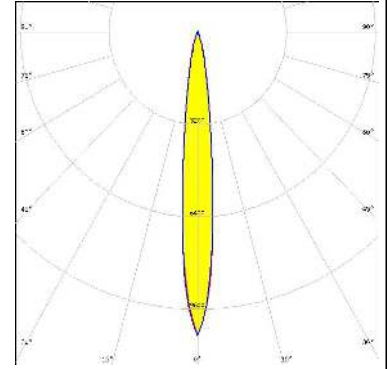
CREE → LED

LED XHP35.2 HD
 FWHM / FWTM 18.0° / 36.0°
 Efficiency 74 %
 Peak intensity 5.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



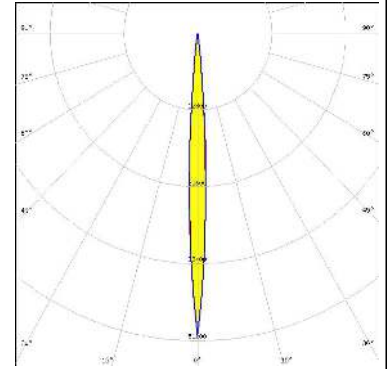
CREE → LED

LED XHP35.2 HI
 FWHM / FWTM 12.0° / 28.0°
 Efficiency 81 %
 Peak intensity 10.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



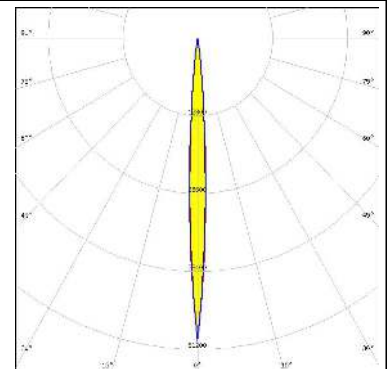
CREE → LED

LED XP-P
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 92 %
 Peak intensity 50.5 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LUMILEDS

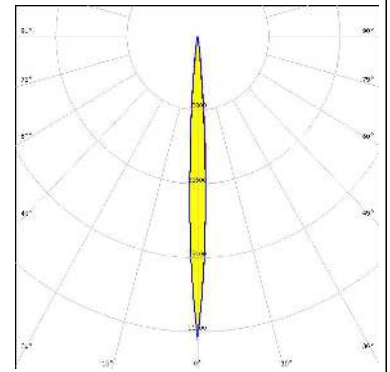
LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 92 %
 Peak intensity 50 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

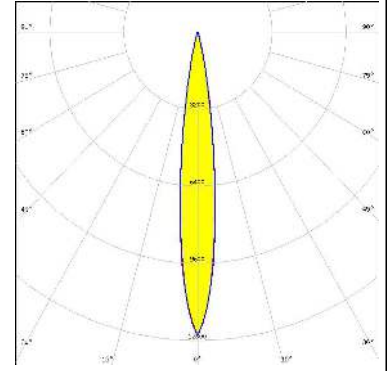
LUMILEDS

LED LUXEON CZ
 FWHM / FWTM 6.0° / 14.0°
 Efficiency 92 %
 Peak intensity 52.6 cd/lm
 LEDs/each optic 1
 Light colour Red
 Required components:



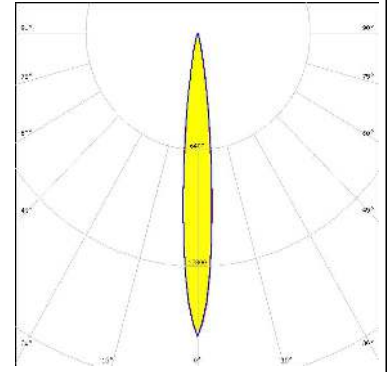
LUMILEDS

LED LUXEON HL2X
 FWHM / FWTM 14.0° / 26.0°
 Efficiency 88 %
 Peak intensity 12.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



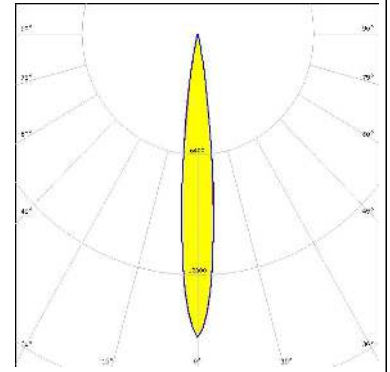
LUMILEDS

LED LUXEON V2
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 92 %
 Peak intensity 16.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

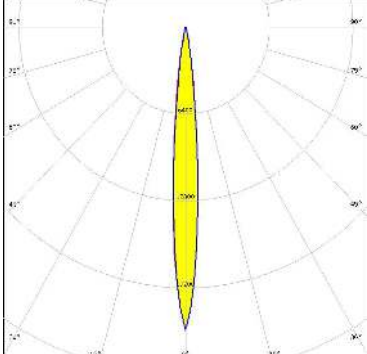
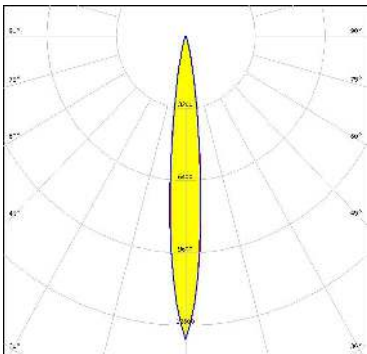


NICHIA

LED NVSW219F
 FWHM / FWTM 12.0° / 22.0°
 Efficiency 87 %
 Peak intensity 16.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM 10.0° / 20.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 22.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LM301B</p> <p>FWHM / FWTM 9.0° / 21.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 21.7 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEMI SEOUL SEMICONDUCTOR</p> <p>LED Z5</p> <p>FWHM / FWTM 10.0°</p> <p>Efficiency %</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	
<p>SEMI SEOUL SEMICONDUCTOR</p> <p>LED Z8Y22P</p> <p>FWHM / FWTM 12.0° / 26.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 13.4 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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