

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°.

TECHNICAL SPECIFICATIONS:

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

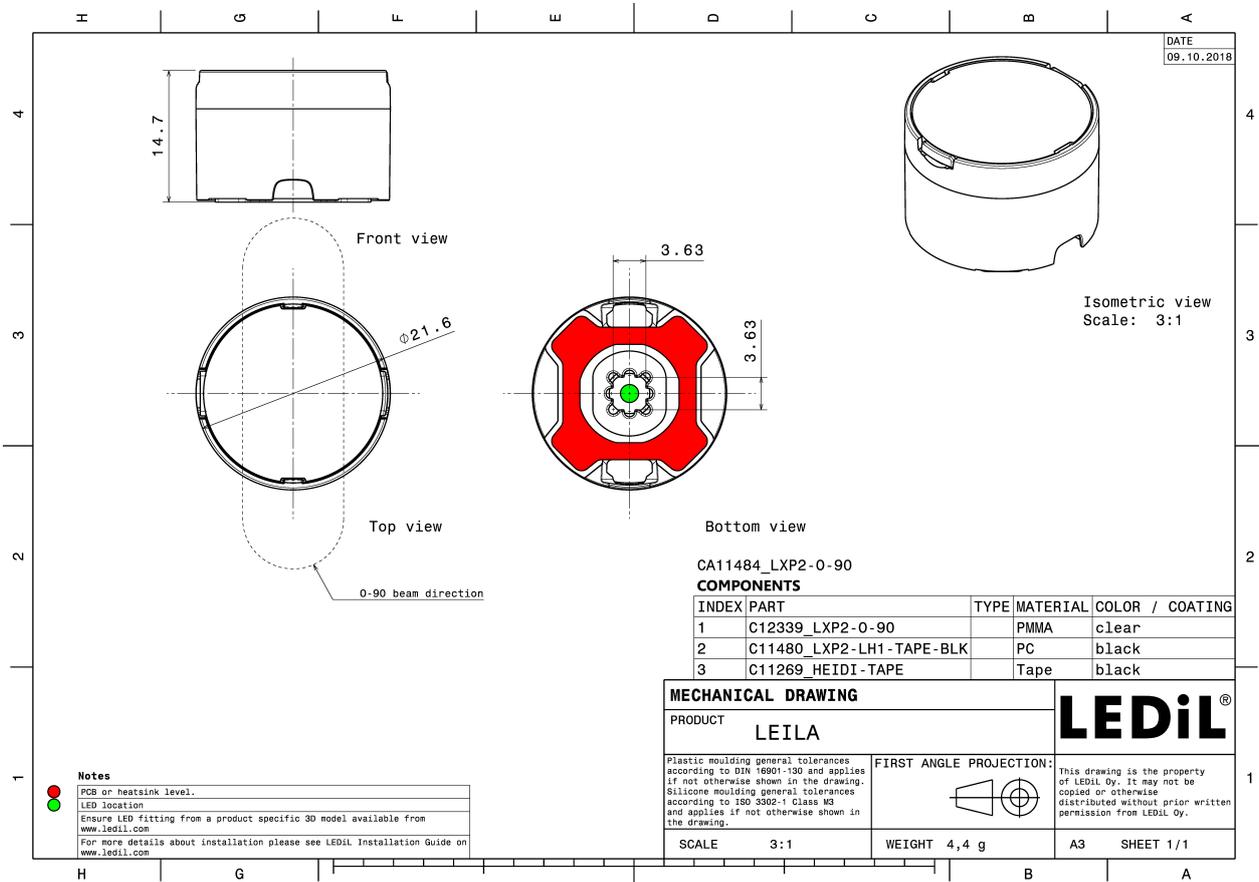
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LXP2-O-90	Single lens	PMMA		
LXP2-LH1-TAPE-BLK	Holder	PC		
HEIDI-TAPE	Tape	PU tape		

ORDERING INFORMATION:

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

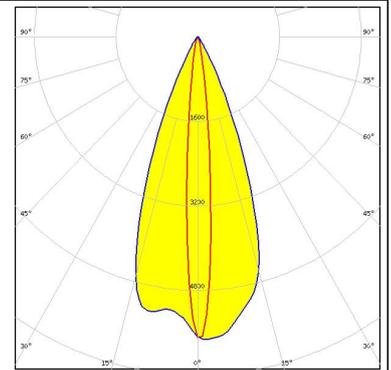




PHOTOMETRIC DATA (MEASURED):

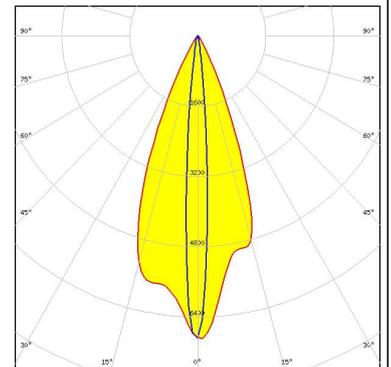
CREE

LED XP-E
 FWHM 9.0 + 41.0°
 Efficiency 89 %
 Peak intensity 5.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



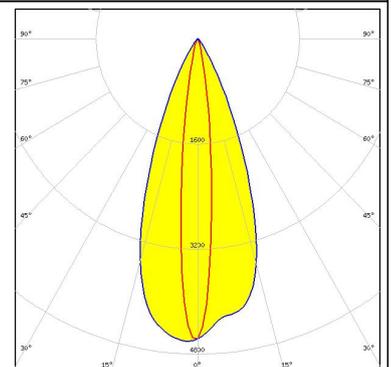
CREE

LED XP-E2
 FWHM 10.0 + 42.0°
 Efficiency 86 %
 Peak intensity 6.200 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



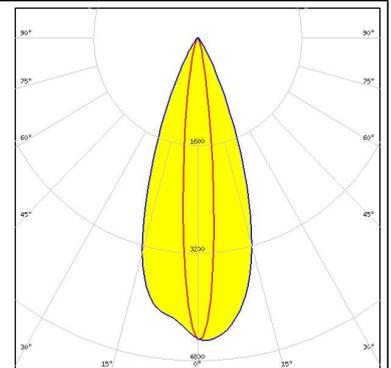
CREE

LED XP-G
 FWHM 12.0 + 40.0°
 Efficiency 89 %
 Peak intensity 4.600 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



CREE

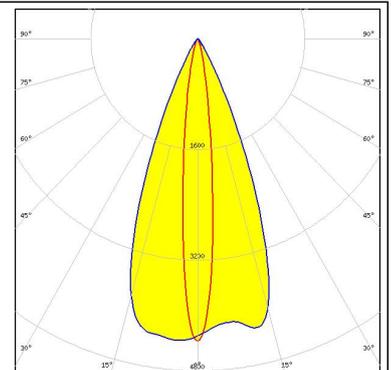
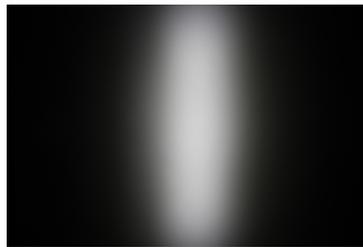
LED XP-G2
 FWHM 12.0 + 40.0°
 Efficiency 87 %
 Peak intensity 4.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



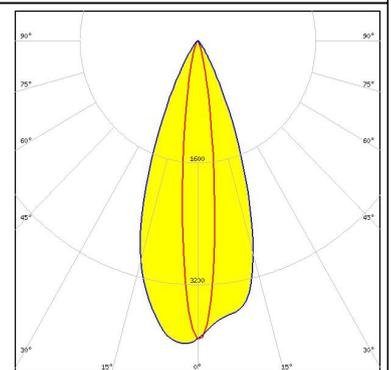
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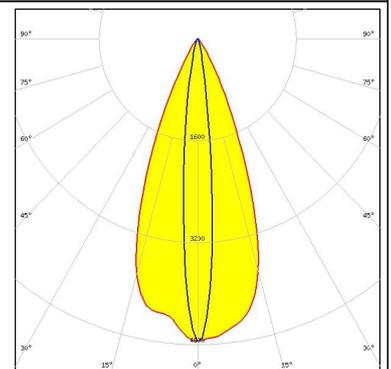
LED XP-L HI
 FWHM 12.0 + 43.0°
 Efficiency 86 %
 Peak intensity 4.400 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



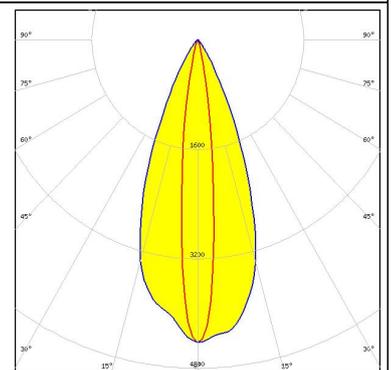
LED XT-E
 FWHM 13.0 + 41.0°
 Efficiency 84 %
 Peak intensity 4.050 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED H35B0 (LEMWA32)
 FWHM 11.0 + 41.0°
 Efficiency 87 %
 Peak intensity 4.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



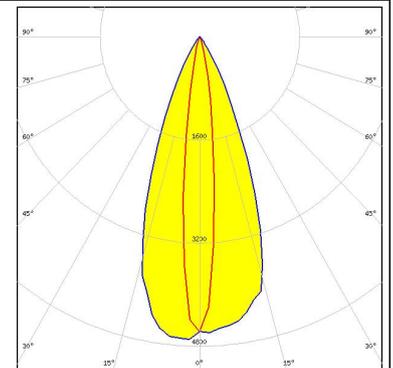
LED H35C0 (LEMWA33)
 FWHM 12.0 + 40.0°
 Efficiency 87 %
 Peak intensity 4.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):

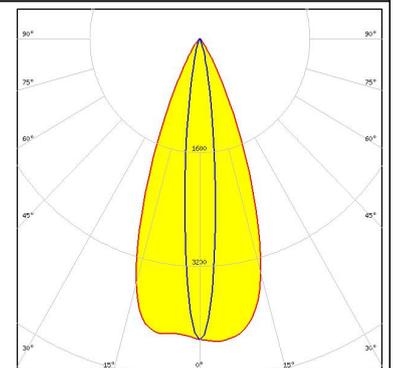
LG Innotek

LED H35C1 (LEMWA33)
 FWHM 13.0 + 41.0°
 Efficiency 86 %
 Peak intensity 4.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



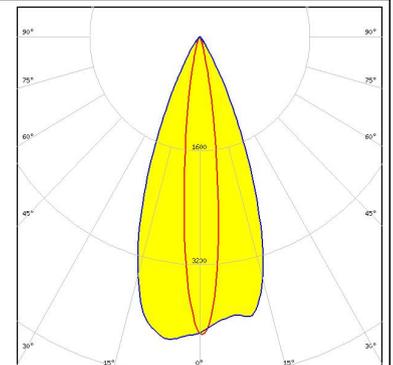
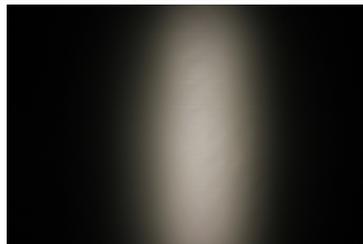
LUMILEDS

LED LUXEON Q
 FWHM 12.0 + 41.0°
 Efficiency 85 %
 Peak intensity 4.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



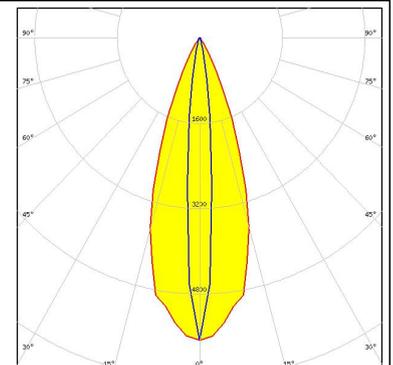
NICHIA

LED NVSW219D
 FWHM 13.0 + 42.0°
 Efficiency 89 %
 Peak intensity 4.300 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



SEOL SEOUL SEMICONDUCTOR

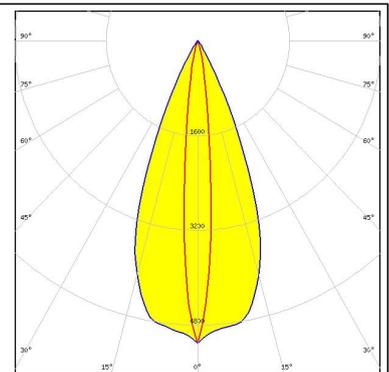
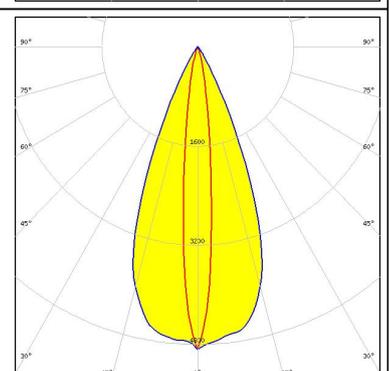
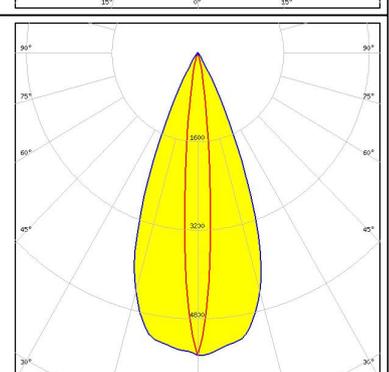
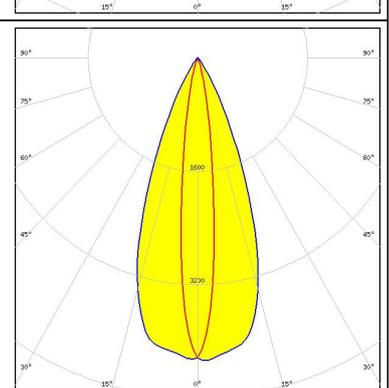
LED Z5
 FWHM 10.0 + 36.0°
 Efficiency 89 %
 Peak intensity 5.700 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (MEASURED):



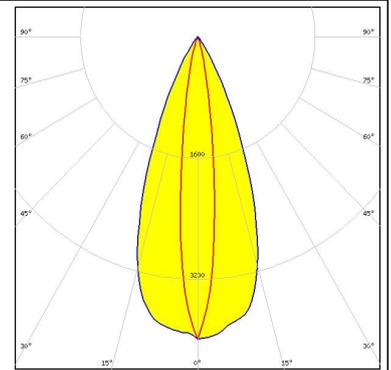
PHOTOMETRIC DATA (SIMULATED):

<p>NICHIA</p> <p>LED NCSxx19B FWHM 10.0 + 42.0° Efficiency 90 % Peak intensity 5.115 cd/lm LEDs/each optic 1 Light colour Blue Required components:</p>	
<p>NICHIA</p> <p>LED NCSxx19B FWHM 11.0 + 44.0° Efficiency 90 % Peak intensity 4.884 cd/lm LEDs/each optic 1 Light colour Green Required components:</p>	
<p>NICHIA</p> <p>LED NCSxx19B FWHM 10.0 + 42.0° Efficiency 90 % Peak intensity 5.463 cd/lm LEDs/each optic 1 Light colour Red Required components:</p>	
<p>NICHIA</p> <p>LED NVSxx19B/NVSxx19C FWHM 12.0 + 42.0° Efficiency 88 % Peak intensity 4.275 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	

PHOTOMETRIC DATA (SIMULATED):

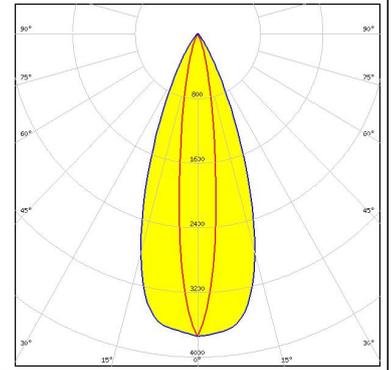
SAMSUNG

LED LH351C
FWHM 14.0 + 42.0°
Efficiency 83 %
Peak intensity 4.001 cd/lm
LEDs/each optic 1
Light colour White
Required components:



SEOUL SEMICONDUCTOR

LED Z8Y22P
FWHM 40.0 + 14.0°
Efficiency 87 %
Peak intensity 3.750 cd/lm
LEDs/each optic 1
Light colour White
Required components:



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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