

LN3-O-90

~10° x 40° oval beam optimized for Nichia NCSxx19A. 14.3 mm high assembly. Variant with beam direction rotated 90°.

TECHNICAL SPECIFICATIONS:

Dimensions	Ø 21.6 mm
Height	14.3 mm
Fastening	glue
ROHS compliant	yes 

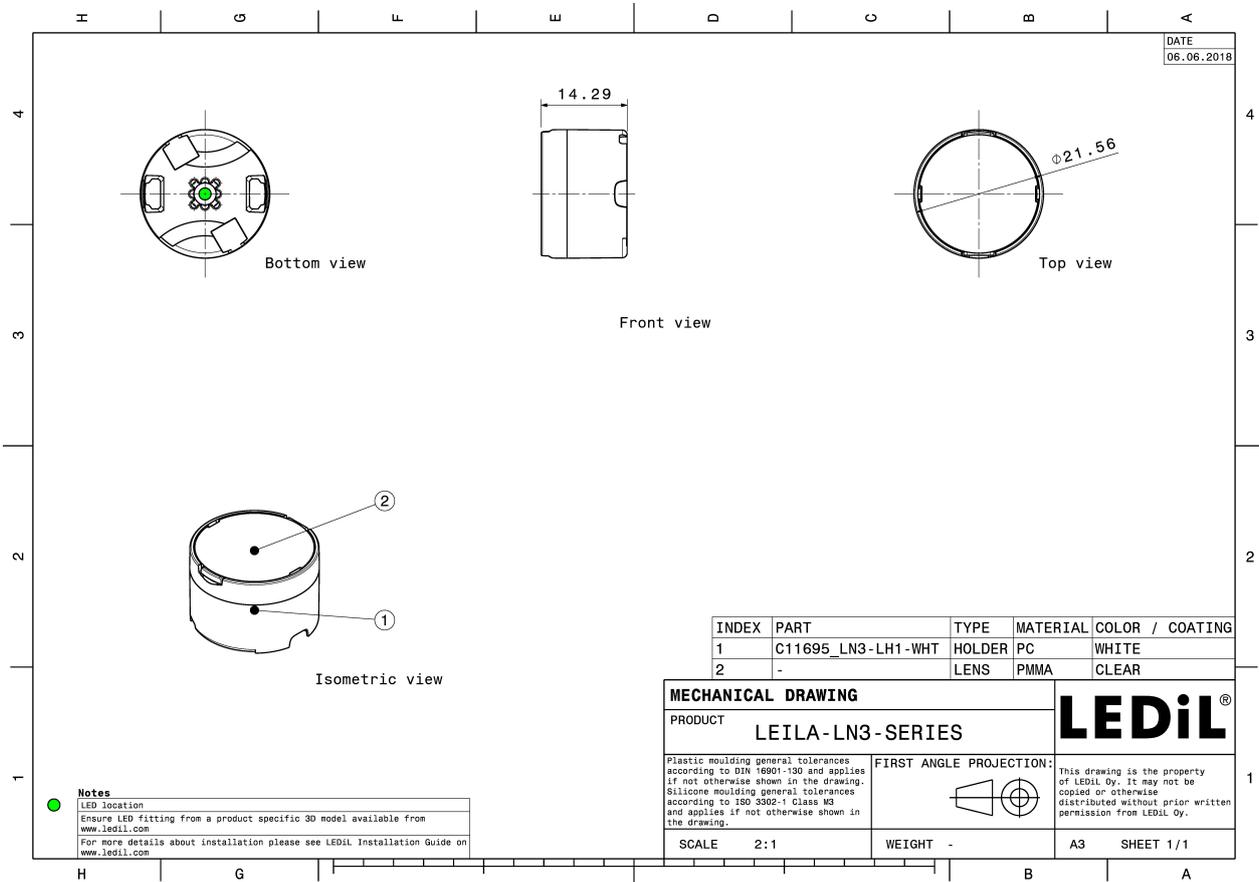
MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour	Finish
LXP2-O-90	Single lens	PMMA		
LN3-LH1-WHT	Holder	PC		

ORDERING INFORMATION:

Component		Qty in box	MOQ	MPQ	Box weight (kg)
CP12405_LN3-O-90	Single lens	1680	336	112	9.0
» Box size: 480 x 280 x 300 mm					

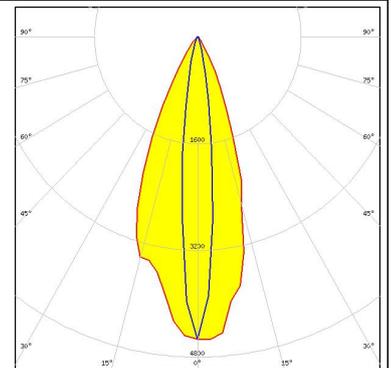




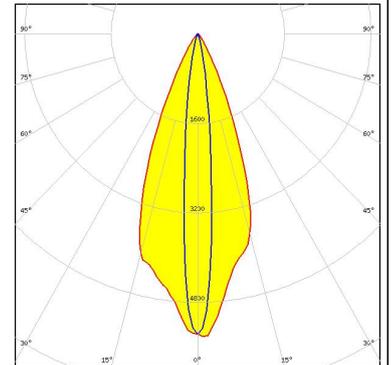
PHOTOMETRIC DATA (MEASURED):



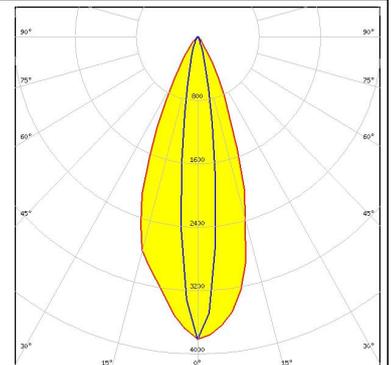
LED NCSxx19A
 FWHM 35.0 + 12.0°
 Efficiency %
 Peak intensity 4.500 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



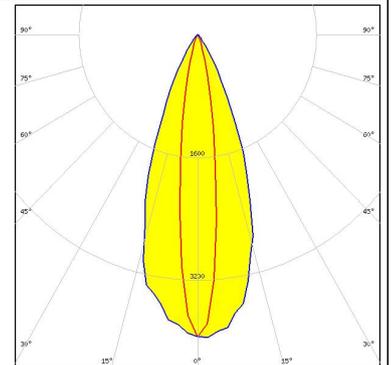
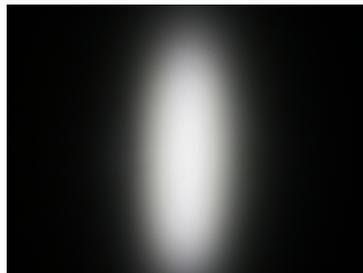
LED NCSxx19B
 FWHM 40.0 + 11.0°
 Efficiency 90 %
 Peak intensity 5.300 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19A
 FWHM 36.0 + 14.0°
 Efficiency %
 Peak intensity 3.800 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM 40.0 + 14.0°
 Efficiency 91 %
 Peak intensity 3.900 cd/m
 LEDs/each optic 1
 Light colour White
 Required components:



PHOTOMETRIC DATA (SIMULATED):

OSRAM
Opto Semiconductors

LED	OSLON Square CSSRM2/CSSRM3
FWHM	40.0 + 12.0°
Efficiency	96 %
Peak intensity	4.964 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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