

TINA-Y-O

~45° + 15° oval beam. Assembly with holder, installation tape and pins.

SPECIFICATION:

Dimensions	Ø 16.1 mm
Height	10 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

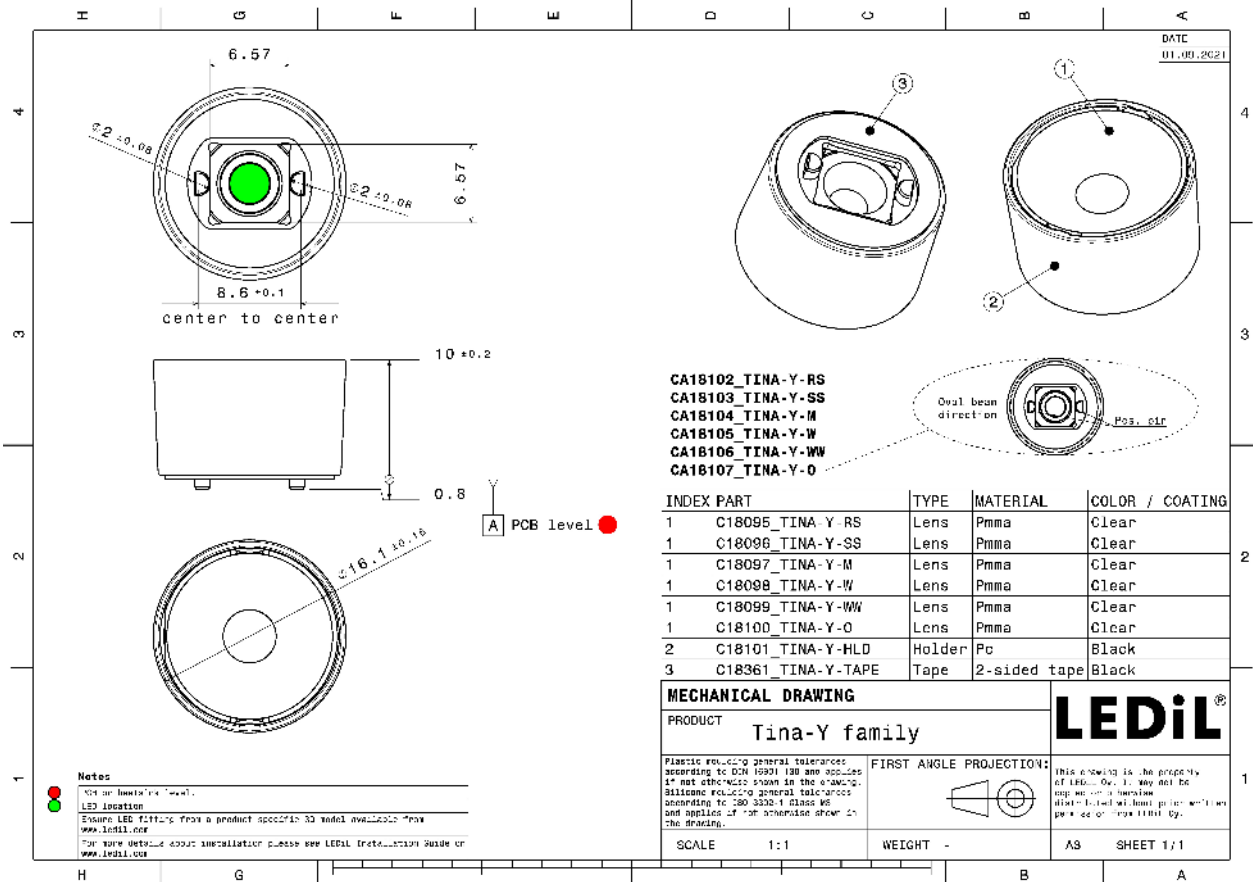
MATERIALS:

Component	Type	Material	Colour	Finish
TINA-Y-O	Single lens	PMMA	clear	gloss
TINA-Y-HLD	Holder	PC	black	gloss
TINA-Y-TAPE	Tape	Acrylic foam		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
CA18107_TINA-Y-O » Box size: 476 x 273 x 197 mm	3900	300	300	6.5



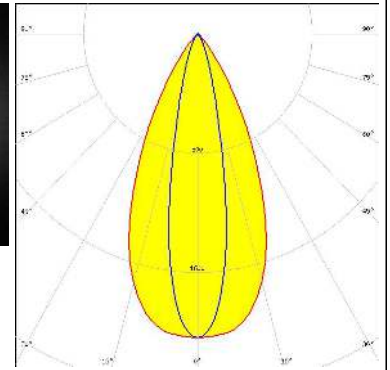


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

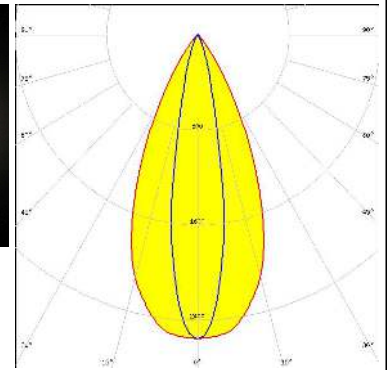
CREE LED

LED XP-G3
FWHM / FWTM 49.0 + 22.0° / 76.0 + 44.0°
Efficiency 74 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour White
Required components:


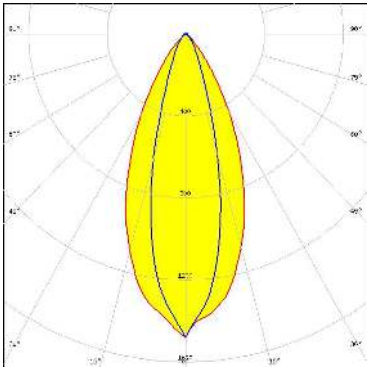

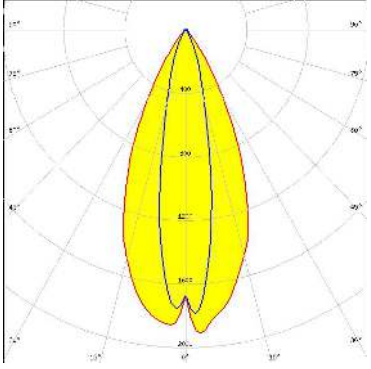

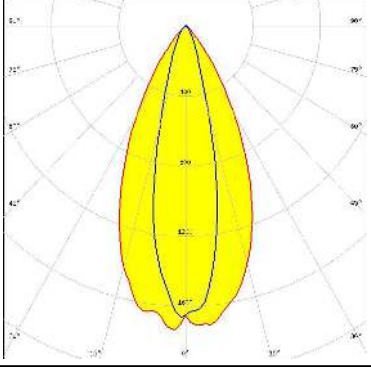

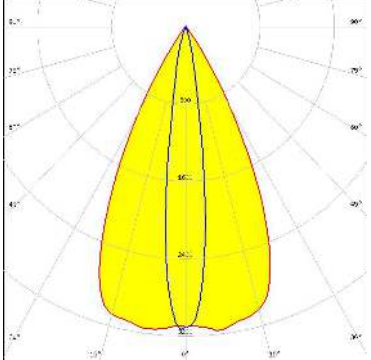


NICHIA

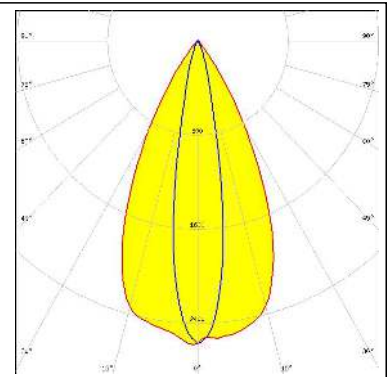
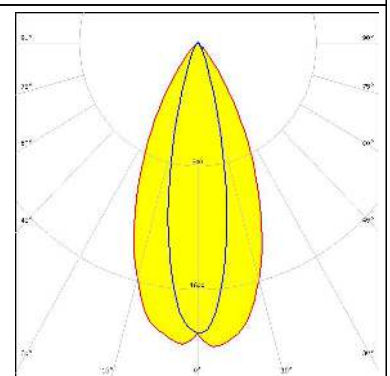
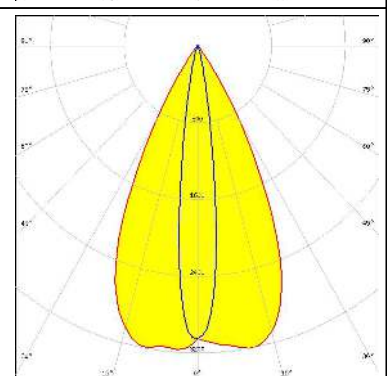
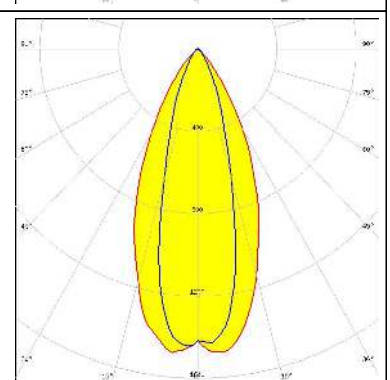
LED NVSW719AC
FWHM / FWTM 47.0 + 20.0° / 73.0 + 38.0°
Efficiency 79 %
Peak intensity 2.6 cd/lm
LEDs/each optic 1
Light colour White
Required components:



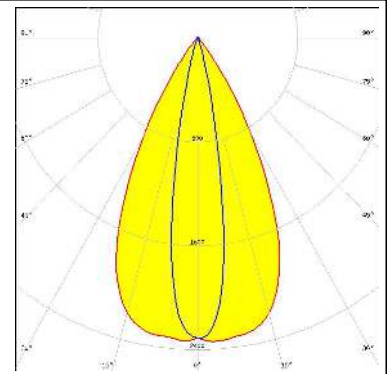
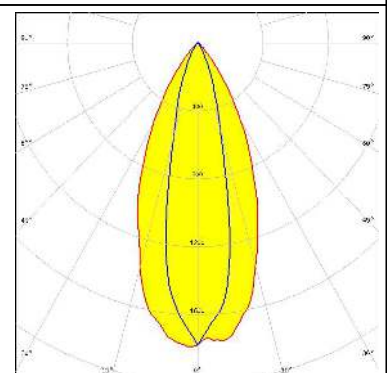
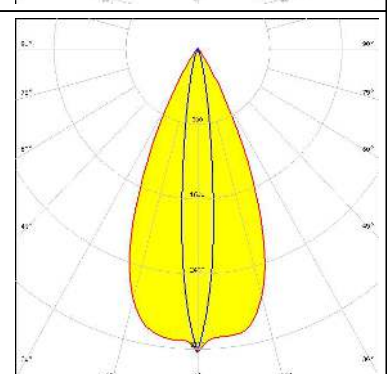
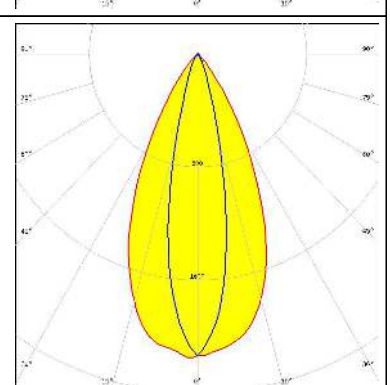
OPTICAL RESULTS (SIMULATED):

	<p>LED XHP35.2 HD FWHM / FWTM 46.0 + 27.0° / 80.0 + 54.0° Efficiency 69 % Peak intensity 1.5 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XHP35.2 HI FWHM / FWTM 46.0 + 22.0° / 73.0 + 47.0° Efficiency 69 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XM-L3 FWHM / FWTM 24.0 + 50.0° Efficiency 73 % LEDs/each optic 1 Light colour White Required components:</p>	
	<p>LED XP-E2 FWHM / FWTM 15.0 + 52.0° Efficiency 81 % LEDs/each optic 1 Light colour White Required components:</p>	

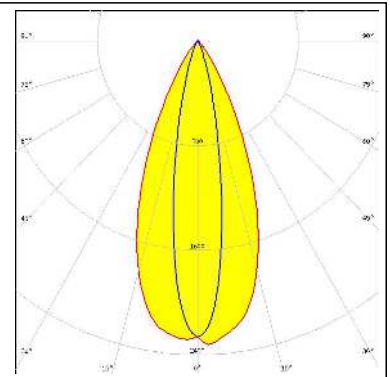
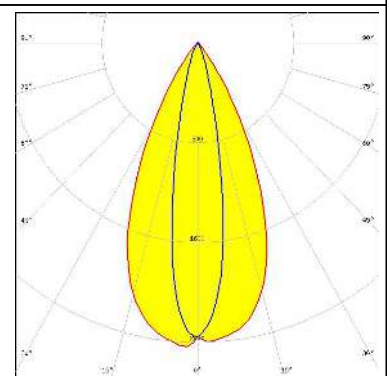
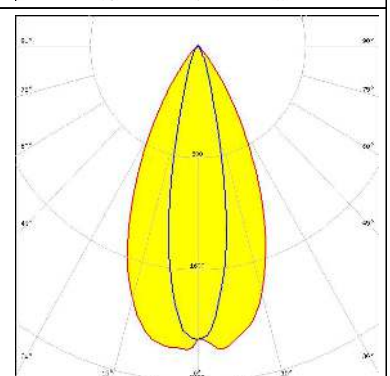
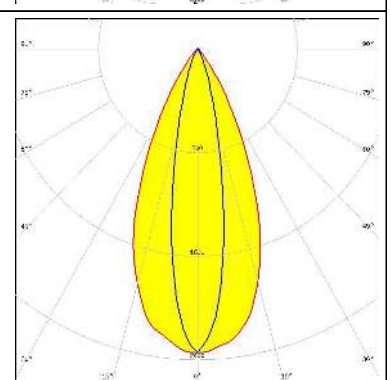
OPTICAL RESULTS (SIMULATED):

<p>CREE → LED</p> <p>LED: XP-G2 FWHM / FWTM: 19.0 + 51.0° Efficiency: 80 % LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XP-L HD FWHM / FWTM: 48.0 + 24.0° / 76.0 + 44.0° Efficiency: 77 % Peak intensity: 2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>CREE → LED</p> <p>LED: XQ-E HI FWHM / FWTM: 52.0 + 14.0° / 70.0 + 26.0° Efficiency: 80 % Peak intensity: 3.2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Round LES FWHM / FWTM: 27.0 + 47.0° Efficiency: 74 % LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON C</p> <p>FWHM / FWTM: 54.0 + 18.0° / 74.0 + 32.0°</p> <p>Efficiency: 75 %</p> <p>Peak intensity: 2.4 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON MZ</p> <p>FWHM / FWTM: 23.0 + 46.0°</p> <p>Efficiency: 73 %</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NCSxE17A</p> <p>FWHM / FWTM: 46.0 + 12.0° / 66.0 + 28.0°</p> <p>Efficiency: 73 %</p> <p>Peak intensity: 3.2 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>NICHIA</p> <p>LED: NVSW219F</p> <p>FWHM / FWTM: 50.0 + 22.0° / 76.0 + 42.0°</p> <p>Efficiency: 79 %</p> <p>Peak intensity: 2.2 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 NVSxE21A FWHM / FWTM 44.0 + 20.0° / 70.0 + 38.0° Efficiency 71 % Peak intensity 2.3 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED OSLOM Square CSSRM2/CSSRM3 FWHM / FWTM 50.0 + 20.0° / 74.0 + 39.0° Efficiency 79 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p>	
<p>SAMSUNG</p> <p>LED LH351C FWHM / FWTM 22.0 + 49.0° Efficiency 80 % LEDs/each optic 1 Light colour White Required components:</p>	
<p>SECO SEOUL SEMICONDUCTOR</p> <p>LED Z5M4 FWHM / FWTM 46.0 + 20.0° / 72.0 + 42.0° Efficiency 78 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White 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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