

TINA-Y-M

~25° medium beam. Assembly with holder, installation tape and pins.

SPECIFICATION:

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

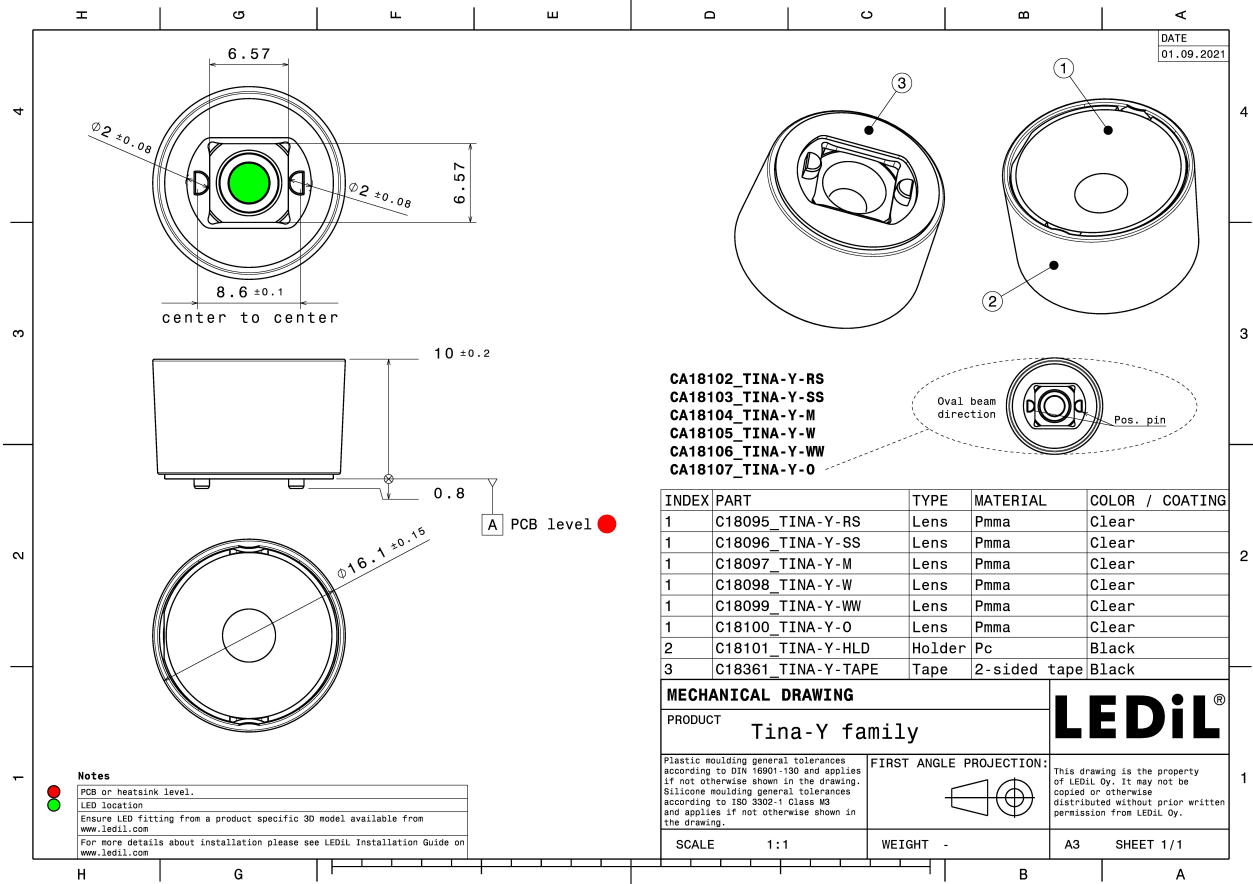
MATERIALS:

Component	Type	Material	Colour	Finish
TINA-Y-M	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)
CA18104_TINA-Y-M » Box size: 476 x 273 x 197 mm	3900	300	300	5.9



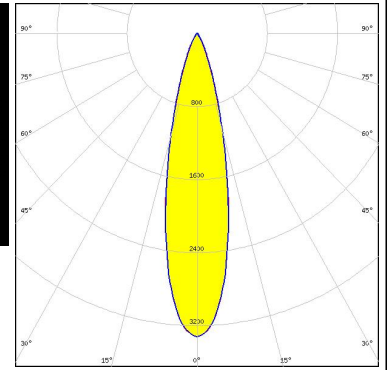


See also our general installation guide: www.ledil.com/installation_guide

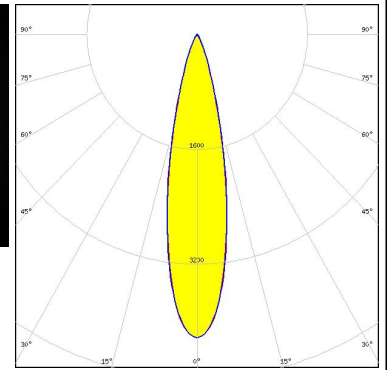
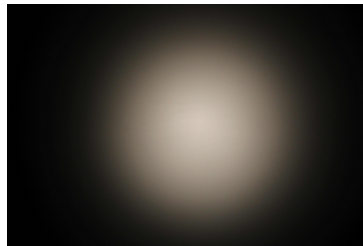
OPTICAL RESULTS (MEASURED):



LED XP-G3
FWHM / FWTM 24.0° / 47.0°
Efficiency 77 %
Peak intensity 3.3 cd/lm
LEDs/each optic 1
Light colour White
Required components:



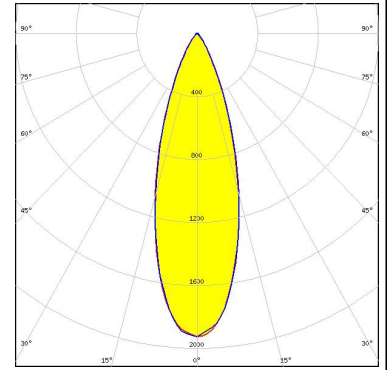
LED NVSW719AC
FWHM / FWTM 23.0° / 43.0°
Efficiency 84 %
Peak intensity 4.2 cd/lm
LEDs/each optic 1
Light colour White
Required components:



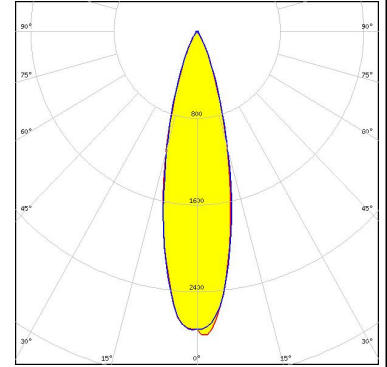
OPTICAL RESULTS (SIMULATED):



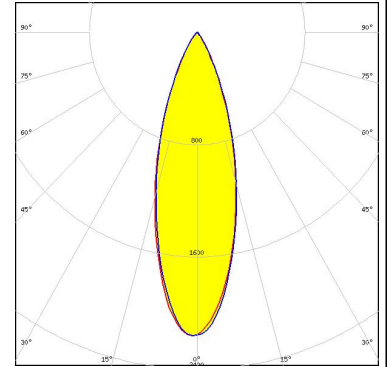
LED XHP35.2 HD
 FWHM / FWTM 32.0° / 61.0°
 Efficiency 74 %
 Peak intensity 1.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



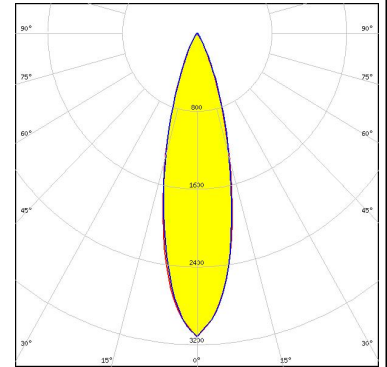
LED XHP35.2 HI
 FWHM / FWTM 26.0° / 50.0°
 Efficiency 74 %
 Peak intensity 2.8 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 32.0° / 61.0°
 Efficiency 83 %
 Peak intensity 2.2 cd/lm
 LEDs/each optic 1
 Light colour RGBW
 Required components:



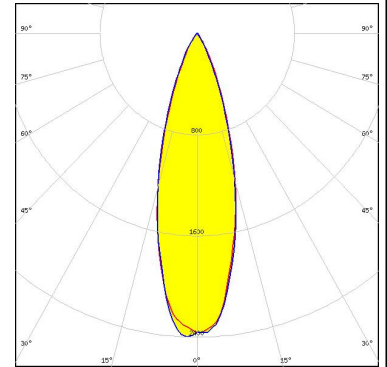
LED XM-L RGBW (XMLDCL HI)
 FWHM / FWTM 27.0° / 51.0°
 Efficiency 84 %
 Peak intensity 3.1 cd/lm
 LEDs/each optic 1
 Light colour RGBW
 Required components:



OPTICAL RESULTS (SIMULATED):

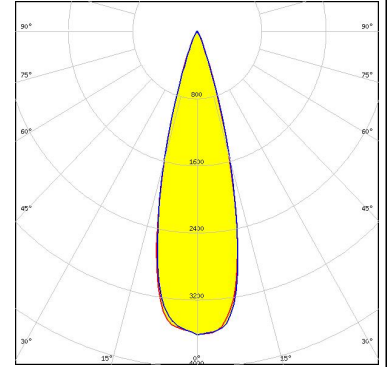
CREE LED

LED XM-L3
 FWHM / FWTM 30.0° / 58.0°
 Efficiency 79 %
 Peak intensity 2.4 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



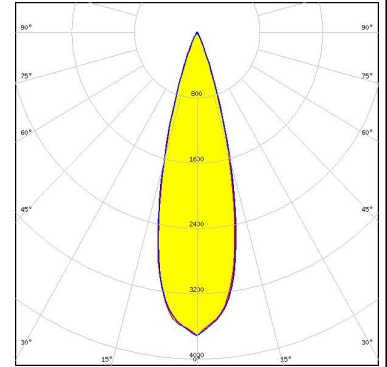
CREE LED

LED XP-E
 FWHM / FWTM 28.0° / 44.0°
 Efficiency 88 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



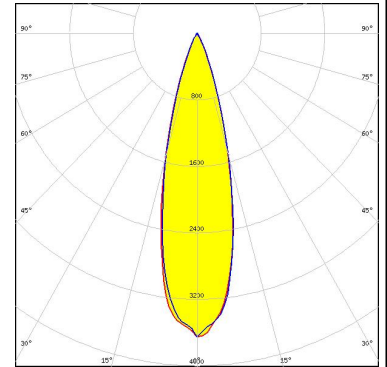
CREE LED

LED XP-E2
 FWHM / FWTM 27.0° / 46.0°
 Efficiency 89 %
 Peak intensity 3.7 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

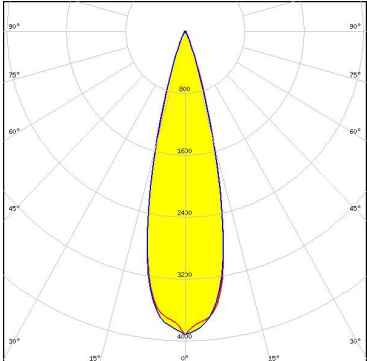
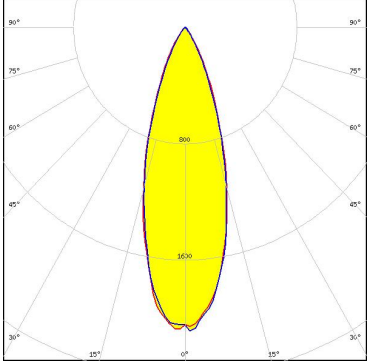
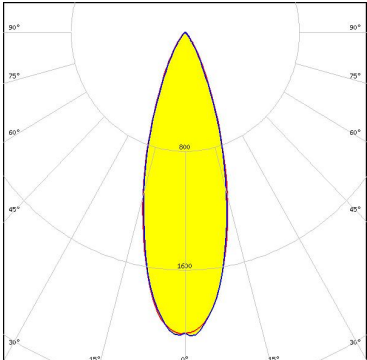
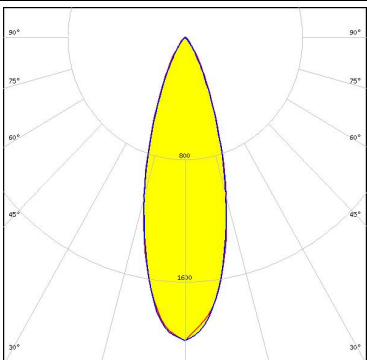


CREE LED

LED XP-G2
 FWHM / FWTM 26.0° / 46.0°
 Efficiency 87 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



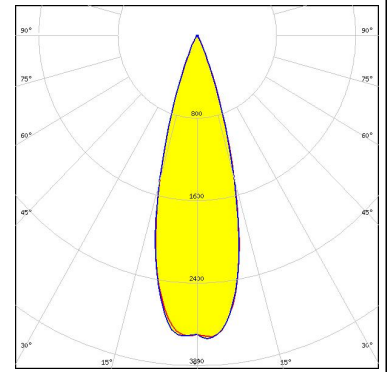
OPTICAL RESULTS (SIMULATED):

<p>CREE LED</p> <p>LED: XQ-E HI FWHM / FWTM: 26.0° / 42.0° Efficiency: 87 % Peak intensity: 3.9 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Round LES FWHM / FWTM: 32.0° / 64.0° Efficiency: 78 % Peak intensity: 2.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Round LES FWHM / FWTM: 32.0° / 62.0° Efficiency: 78 % Peak intensity: 2.1 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>LUMILEDS</p> <p>LED: LUXEON 5050 Square LES FWHM / FWTM: 32.0° / 62.0° Efficiency: 76 % Peak intensity: 2 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

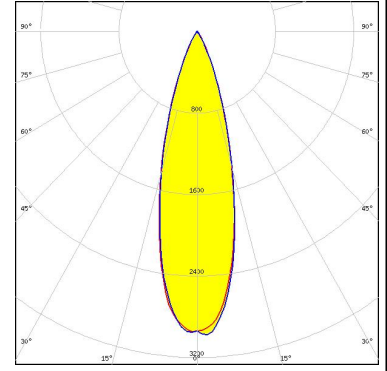
LUMILEDS

LED LUXEON C
 FWHM / FWTM 30.0° / 47.0°
 Efficiency 78 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



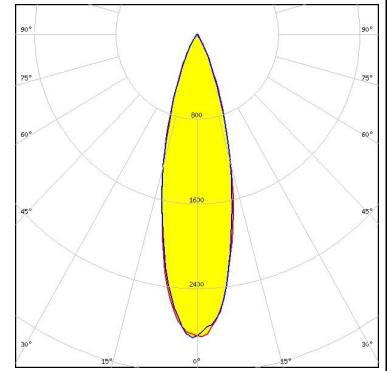
LUMILEDS

LED LUXEON HL2X
 FWHM / FWTM 29.0° / 52.0°
 Efficiency 86 %
 Peak intensity 3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



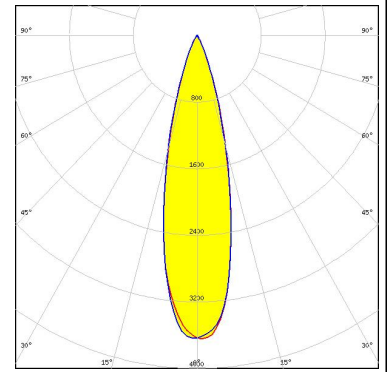
LUMILEDS

LED LUXEON MZ
 FWHM / FWTM 28.0° / 53.0°
 Efficiency 81 %
 Peak intensity 2.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

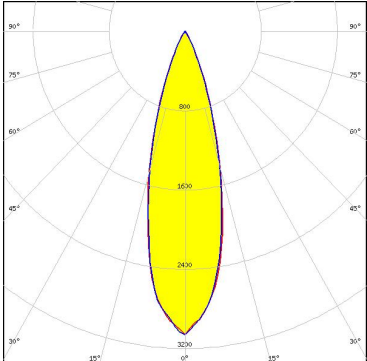
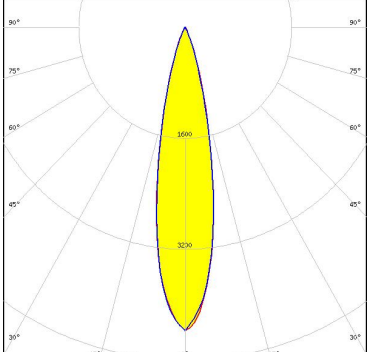
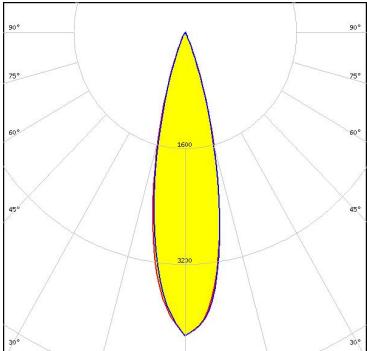
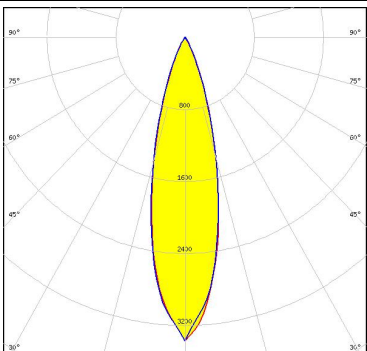


LUMILEDS

LED LUXEON TX
 FWHM / FWTM 25.0° / 46.0°
 Efficiency 84 %
 Peak intensity 3.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



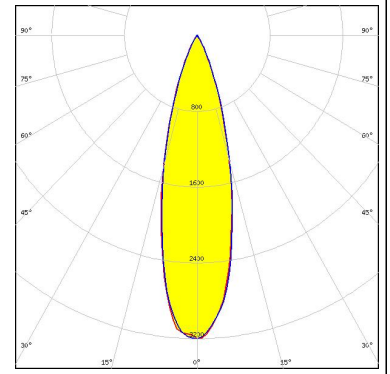
OPTICAL RESULTS (SIMULATED):

<p>NICHIA</p> <p>LED: NVSW219F FWHM / FWTM: 28.0° / 51.0° Efficiency: 86 % Peak intensity: 3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>NICHIA</p> <p>LED: NVSxE21A FWHM / FWTM: 22.0° / 42.0° Efficiency: 78 % Peak intensity: 4.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>OSRAM <small>Opto Semiconductors</small></p> <p>LED: OSOLON Square CSSRM2/CSSRM3 FWHM / FWTM: 24.0° / 43.0° Efficiency: 87 % Peak intensity: 4.3 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
<p>SAMSUNG</p> <p>LED: LH351B FWHM / FWTM: 26.0° / 50.0° Efficiency: 85 % Peak intensity: 3.4 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

SAMSUNG

LED	LH351C
FWHM / FWTM	27.0° / 51.0°
Efficiency	86 %
Peak intensity	3.2 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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