

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 ⓘ

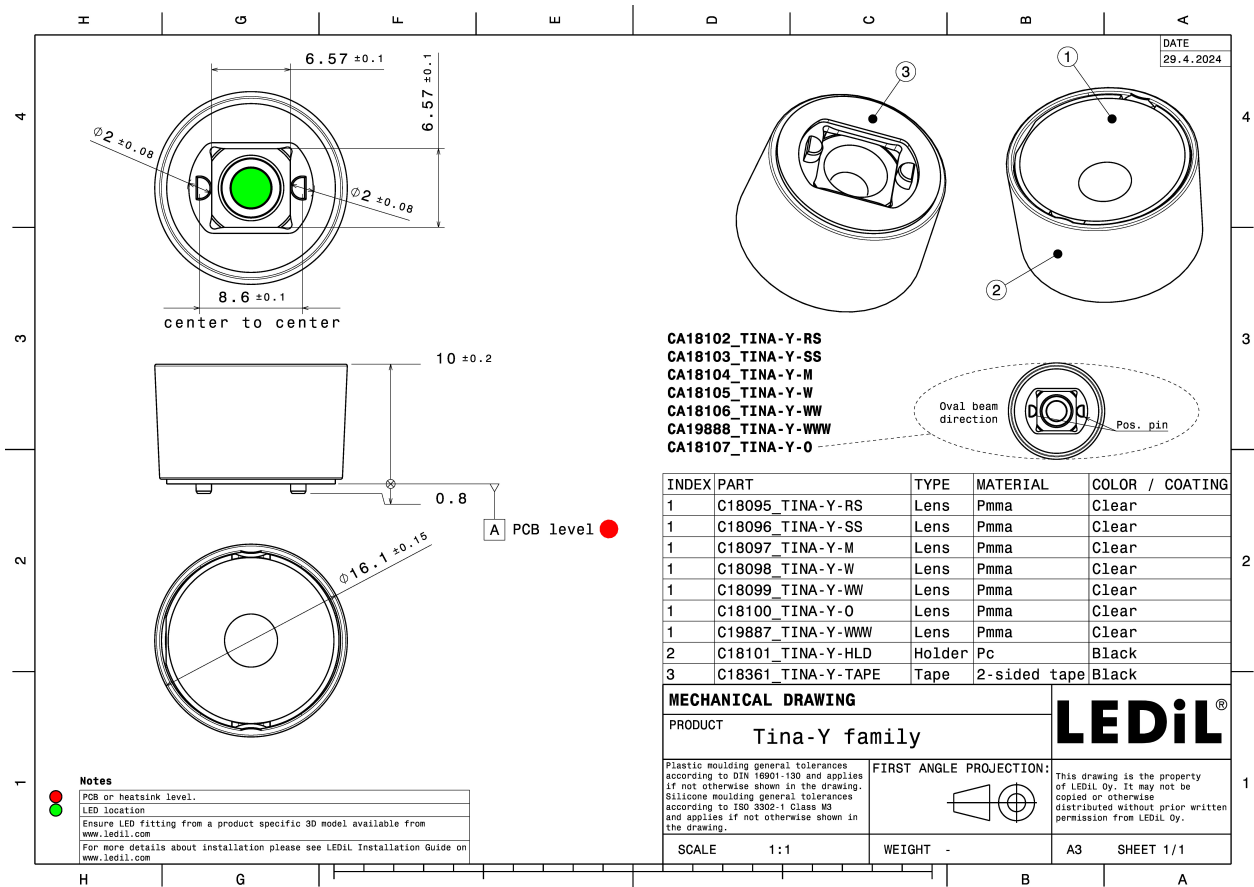


MATERIALS:

Component	Type	Material	Colour	Finish	Length
TINA-Y-O	Single lens	PMMA	clear	gloss	14.7
TINA-Y-HLD	Holder	PC	black	gloss	16.1
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

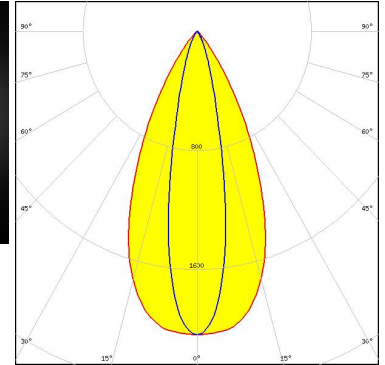


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



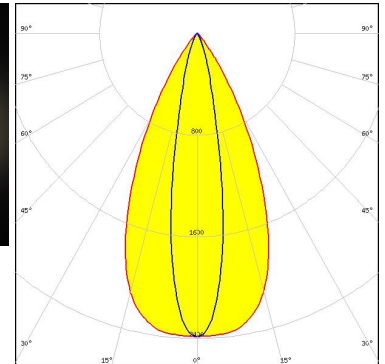
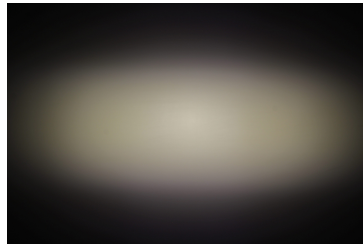
LED XP-G3
FWHM / FWTM 49.0 + 22.0° / 76.0 + 44.0°
Efficiency 74 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



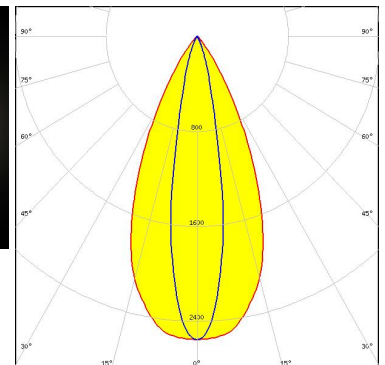
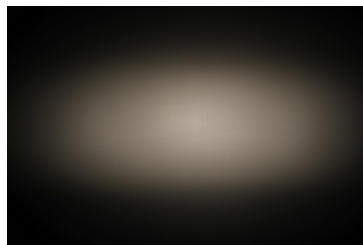
LED XP-G4
FWHM / FWTM 50.0 + 20.0° / 75.0 + 40.0°
Efficiency 79 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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/type White
Required components:

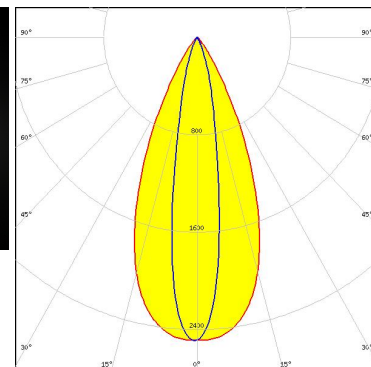
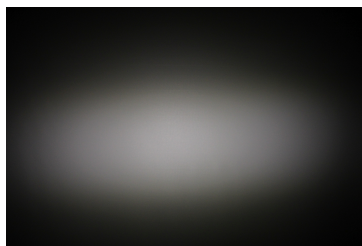


Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED	OSCONIQ C 3030
FWHM / FWTM	46.0 + 18.0° / 70.0 + 40.0°
Efficiency	74 %
Peak intensity	2.5 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

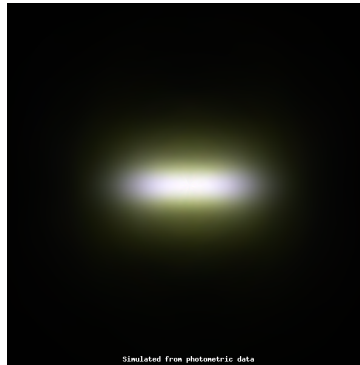


Light distribution files

OPTICAL RESULTS (SIMULATED):



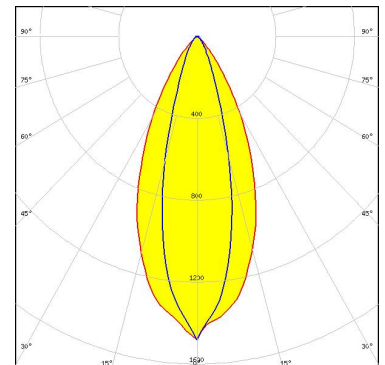
LED J Series 3030C
 FWHM / FWTM 50.0 + 18.0° / 72.0 + 36.0°
 Efficiency 78 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



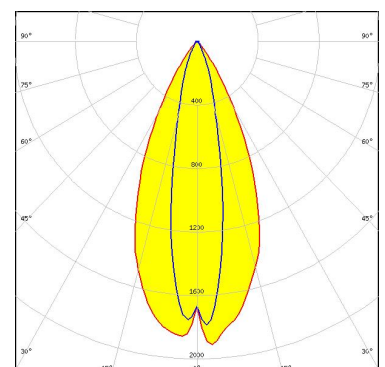
Light distribution files



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/type White
 Required components:



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/type White
 Required components:

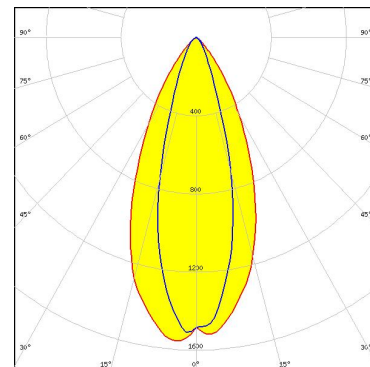


Light distribution files

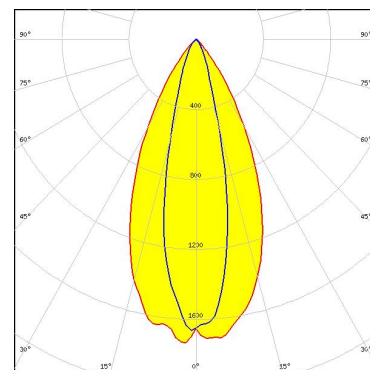
OPTICAL RESULTS (SIMULATED):



LED XM-L RGBW (XMLDCL HD)
 FWHM / FWTM 47.0 + 30.0° / 81.0 + 56.0°
 Efficiency 77 %
 Peak intensity 1.6 cd/lm
 LEDs/each optic 1
 Light colour/type RGBW
 Required components:



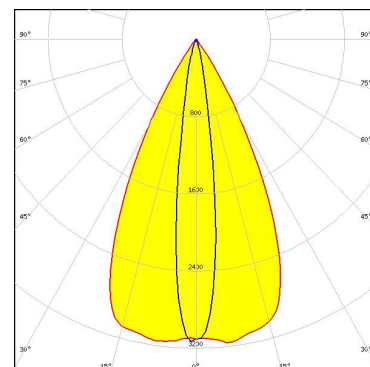
LED XM-L3
 FWHM / FWTM 24.0 + 50.0°
 Efficiency 73 %
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED XP-E2
 FWHM / FWTM 15.0 + 52.0° / 29.0 + 70.0°
 Efficiency 81 %
 Peak intensity 3.2 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

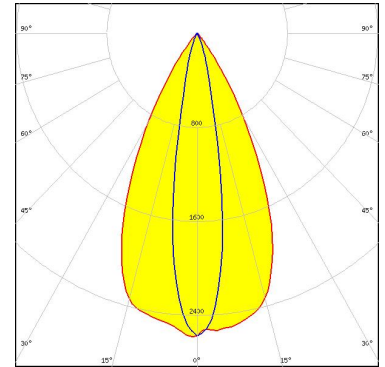


Light distribution files

OPTICAL RESULTS (SIMULATED):



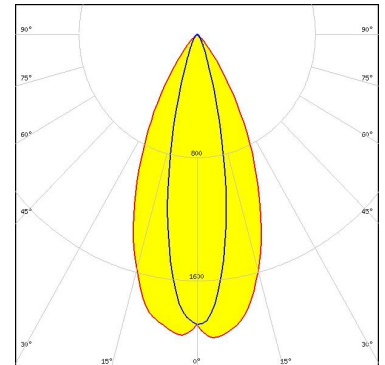
LED XP-G2
FWHM / FWTM 19.0 + 51.0°
Efficiency 80 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



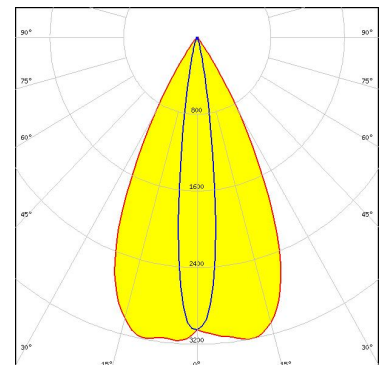
LED XP-L HD
FWHM / FWTM 48.0 + 24.0° / 76.0 + 44.0°
Efficiency 77 %
Peak intensity 2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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/type White
Required components:

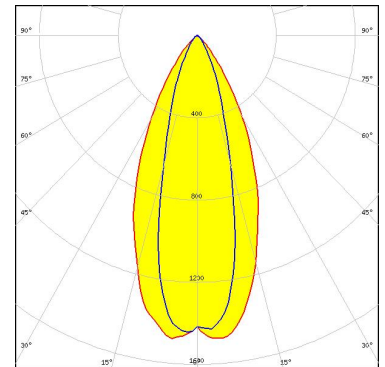


Light distribution files

OPTICAL RESULTS (SIMULATED):



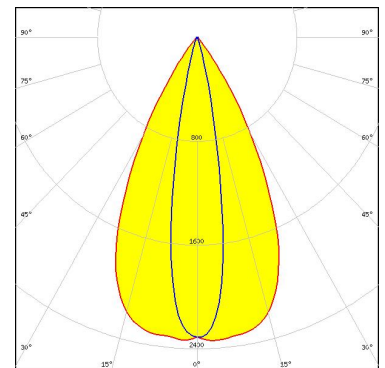
LED LUXEON 5050 Round LES
FWHM / FWTM 27.0 + 47.0°
Efficiency 74 %
LEDs/each optic 1
Light colour/type White
Required components:



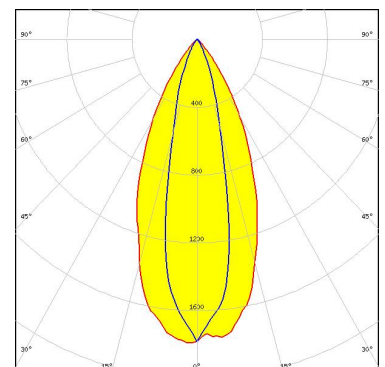
Light distribution files



LED LUXEON C
FWHM / FWTM 54.0 + 18.0° / 74.0 + 32.0°
Efficiency 75 %
Peak intensity 2.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED LUXEON MZ
FWHM / FWTM 23.0 + 46.0°
Efficiency 73 %
LEDs/each optic 1
Light colour/type White
Required components:

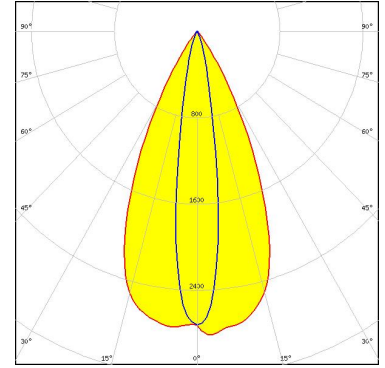


Light distribution files

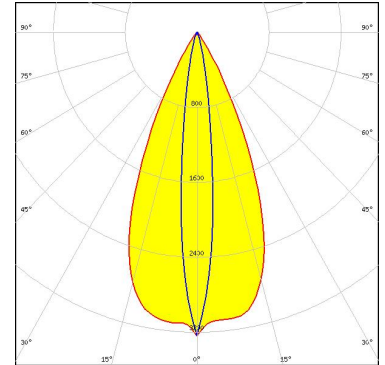
OPTICAL RESULTS (SIMULATED):



LED	SST-20
FWHM / FWTM	50.0 + 16.0° / 70.0 + 34.0°
Efficiency	78 %
Peak intensity	2.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



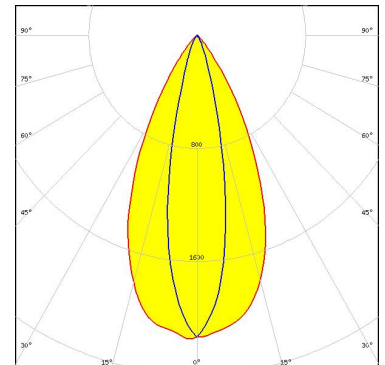
LED	NCSxE17A
FWHM / FWTM	46.0 + 12.0° / 66.0 + 28.0°
Efficiency	73 %
Peak intensity	3.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	NVSW219F
FWHM / FWTM	50.0 + 22.0° / 76.0 + 42.0°
Efficiency	79 %
Peak intensity	2.2 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	

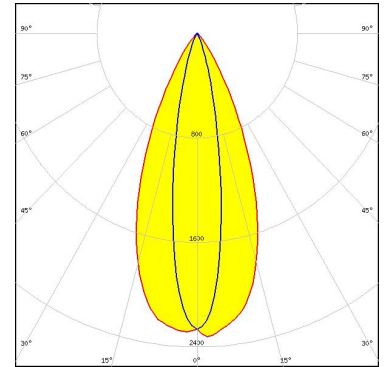


Light distribution files

OPTICAL RESULTS (SIMULATED):



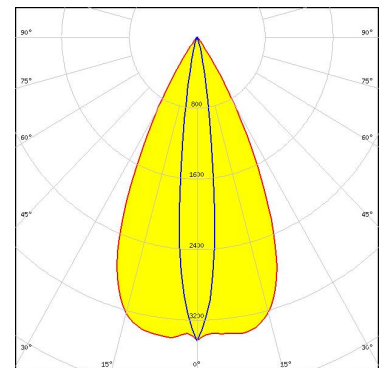
LED NVSxE21A
FWHM / FWTM 44.0 + 20.0° / 70.0 + 38.0°
Efficiency 71 %
Peak intensity 2.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



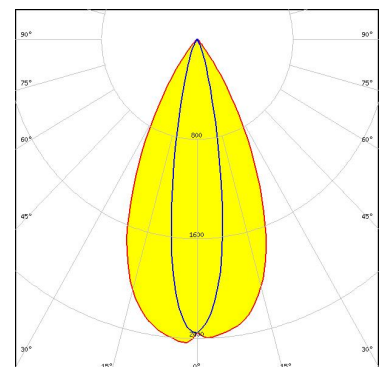
LED OSLO Pure 1414
FWHM / FWTM 52.0 + 14.0° / 68.0 + 26.0°
Efficiency 81 %
Peak intensity 3.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED OSLO 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/type White
Required components:

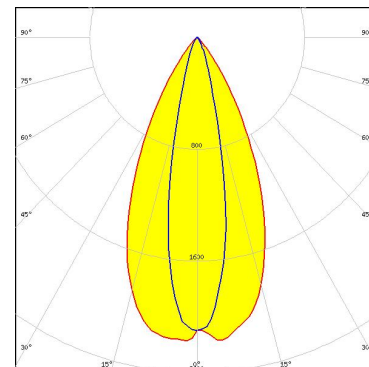


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

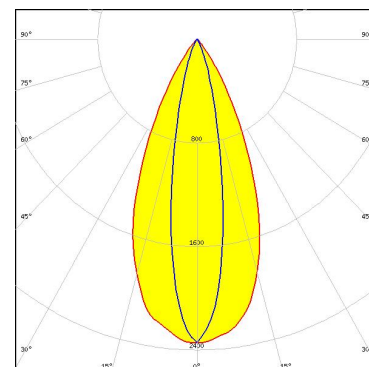
LED LH351C
FWHM / FWTM 22.0 + 49.0°
Efficiency 80 %
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



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/type White
Required components:



Light distribution files

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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