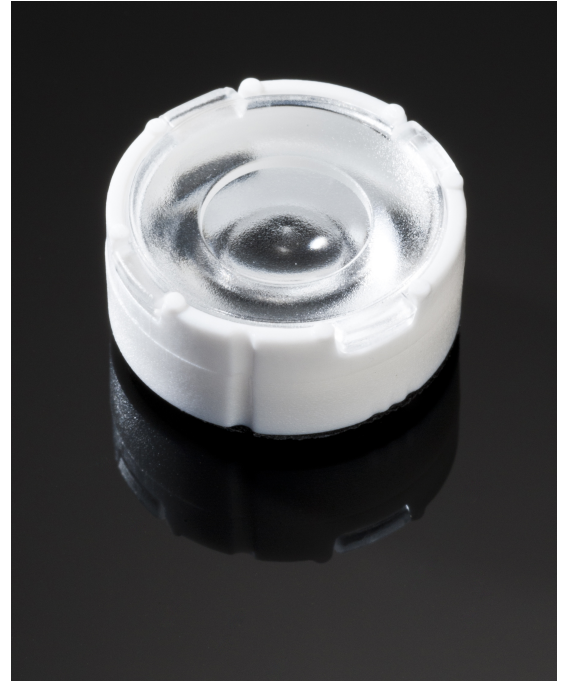


TINA3-WW

~55° wide beam. Assembly with holder, installation tape and location pins.

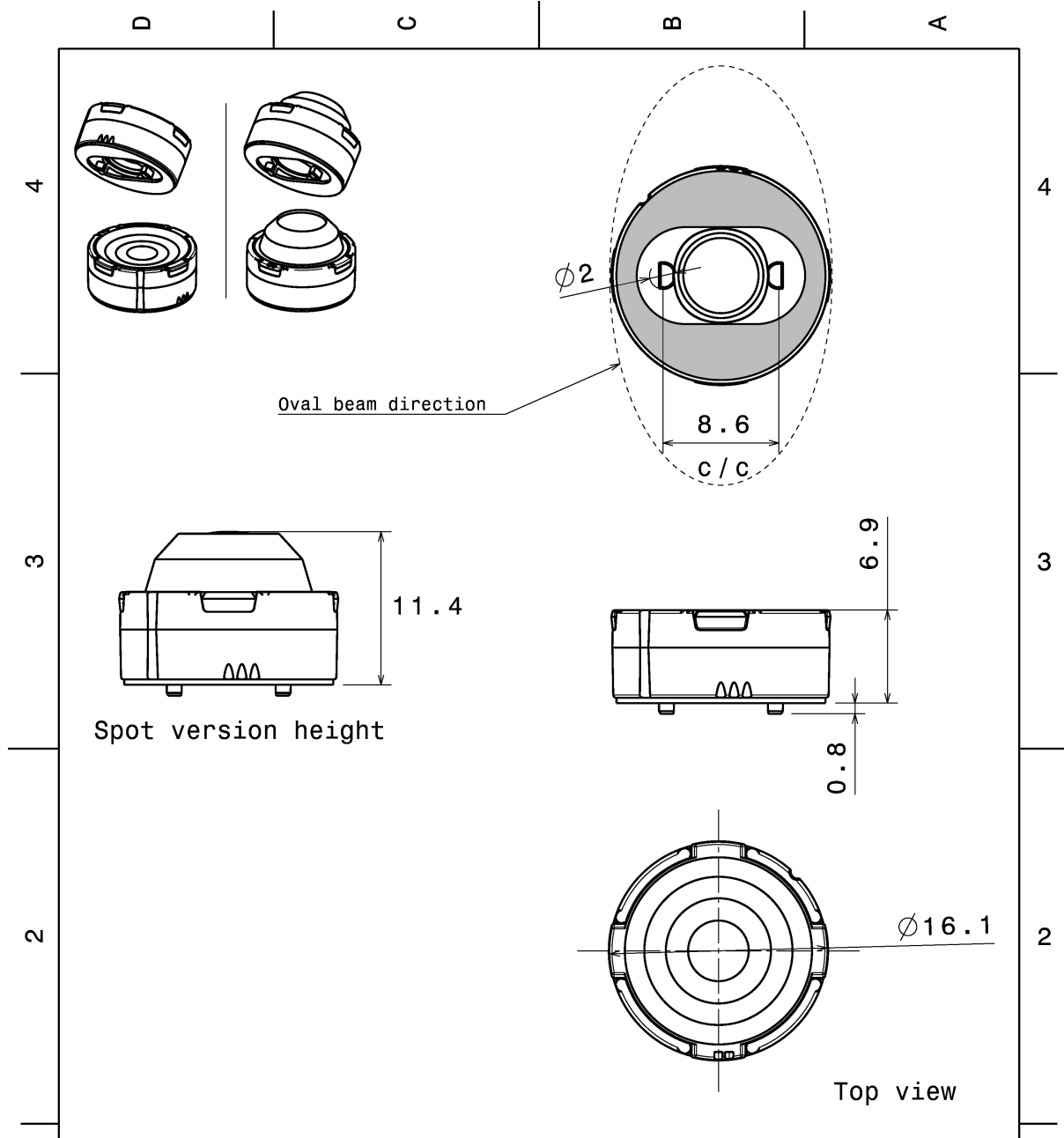
TECHNICAL SPECIFICATIONS:

Dimensions	Ø 16.1 mm
Height	6.9 mm
Fastening	tape, pin
Colour	white
Box size	451 x 241 x 298 mm
Box weight	8.6 kg
Quantity in Box	5750 pcs
ROHS compliant	yes ⓘ



MATERIAL SPECIFICATIONS:

Component	Type	Material	Colour
TINA3-WW	Single lens	PMMA	clear
TINA3-HLD-PIN-TAPE	Holder	PC	white
TINA-TAPE3	Tape	PU tape	

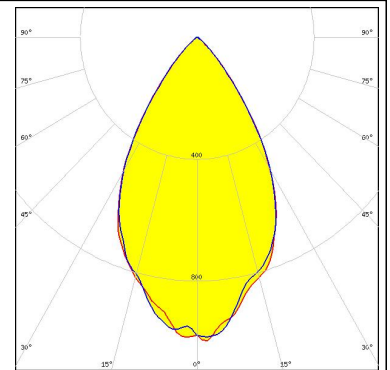
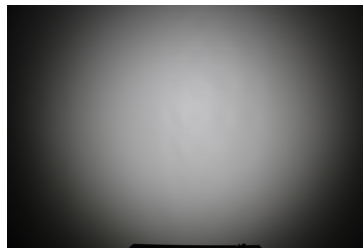


Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class M, otherwise class C. According to DIN ISO 2768-2 Form and position: class L		LEDiL Ledil Oy Salorankatu 10 FIN 24240 SALO Finland	
THIRD ANGLE PROJECTION:		DRAWING TITLE TINA3 Datasheet	
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		SIZE A4	PART NUMBER -
SCALE 4:3		WEIGHT -	SHEET 1/1

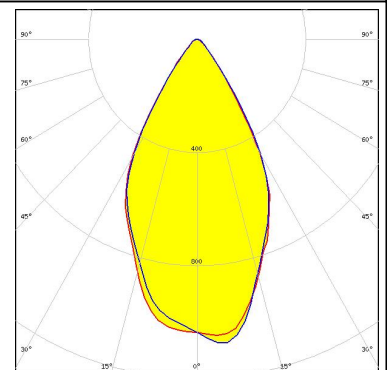
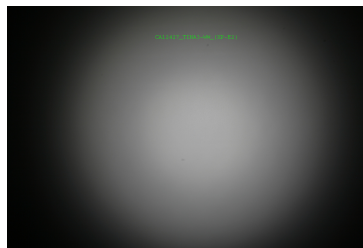
PHOTOMETRIC DATA (MEASURED):



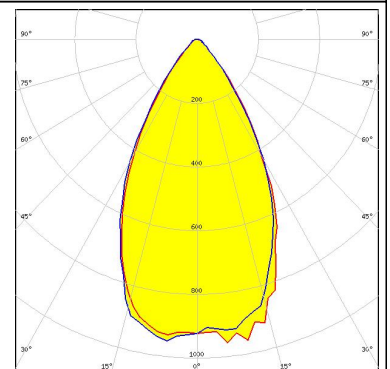
LED XHP35 HI
 FWHM 60.0°
 Efficiency 92 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



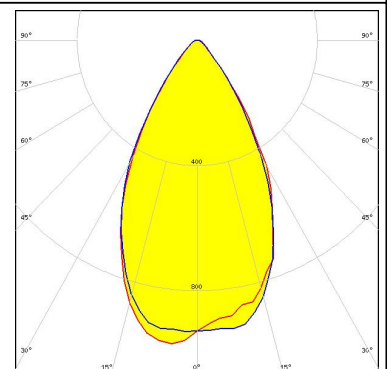
LED XP-E2
 FWHM 58.0°
 Efficiency 89 %
 Peak intensity 1.100 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED XP-G
 FWHM 58.0°
 Efficiency 89 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



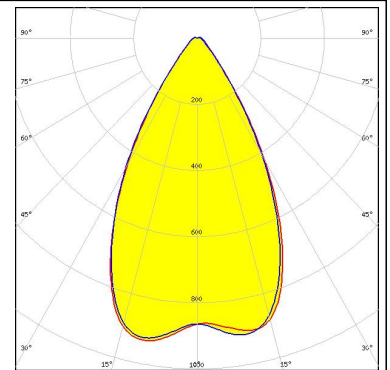
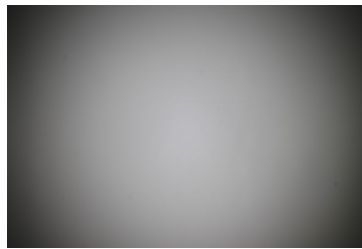
LED XP-G2
 FWHM 59.0°
 Efficiency 90 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



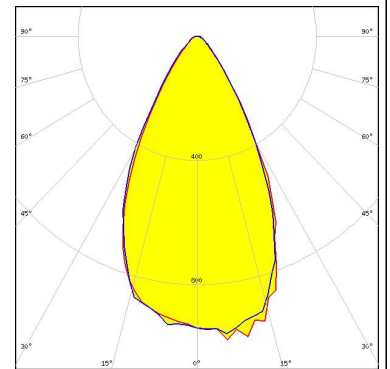
PHOTOMETRIC DATA (MEASURED):



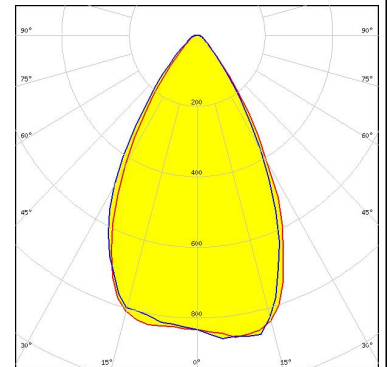
LED XP-L HI
 FWHM 58.0°
 Efficiency 92 %
 Peak intensity 0.940 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



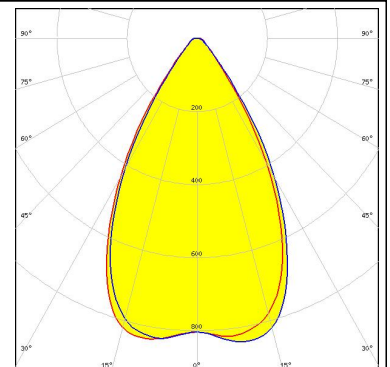
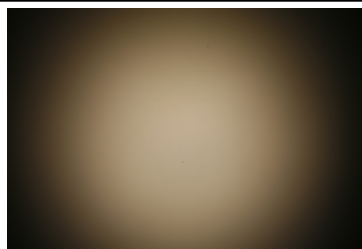
LED XT-E
 FWHM 56.0°
 Efficiency 87 %
 Peak intensity 1.000 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED LUXEON A
 FWHM 58.0°
 Efficiency 89 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



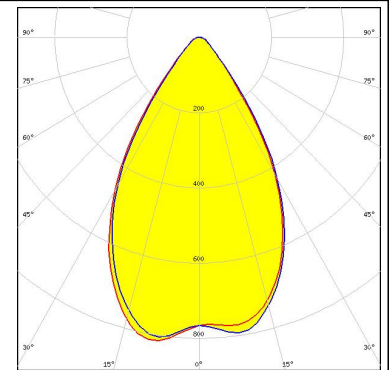
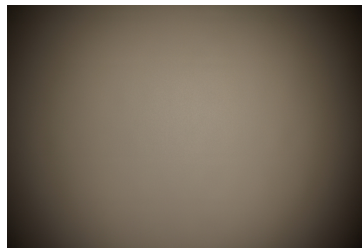
LED LUXEON T
 FWHM 61.0°
 Efficiency 87 %
 Peak intensity 0.900 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



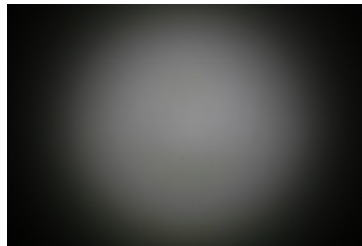
PHOTOMETRIC DATA (MEASURED):



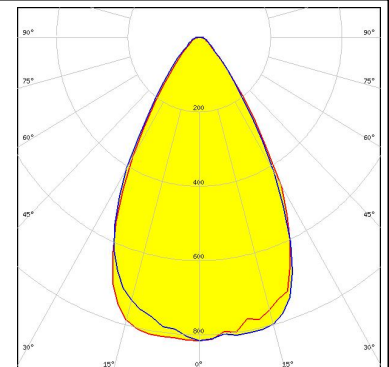
LED LUXEON TX
 FWHM 63.0°
 Efficiency 87 %
 Peak intensity 0.820 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



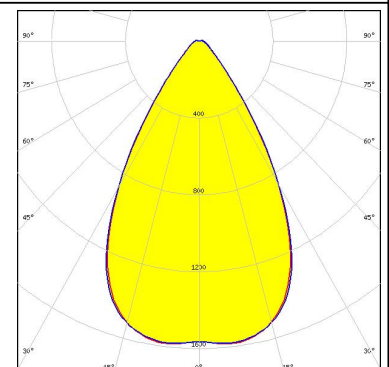
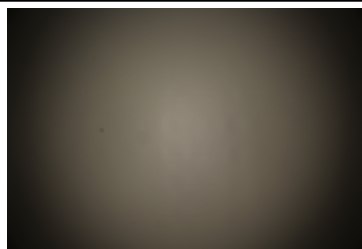
LED NF2x757A
 FWHM 60.0°
 Efficiency 85 %
 Peak intensity 0.860 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



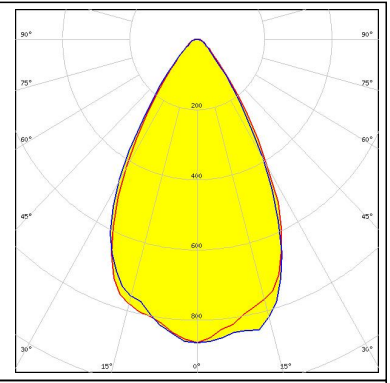

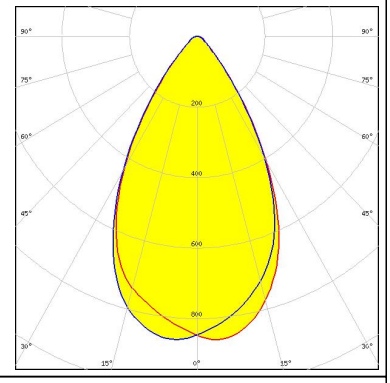

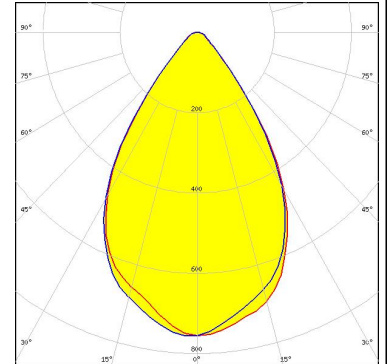
LED NVSxx19A
 FWHM 62.0°
 Efficiency 86 %
 Peak intensity 0.800 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NVSxx19B/NVSxx19C
 FWHM 62.0°
 Efficiency 91 %
 Peak intensity 0.820 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



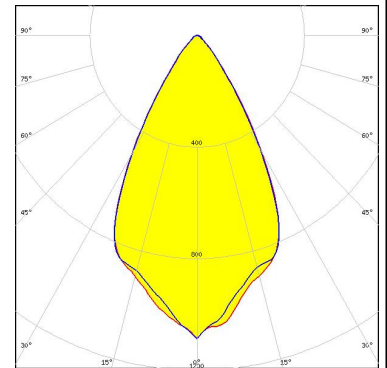
PHOTOMETRIC DATA (MEASURED):

<p>OSRAM Opto Semiconductors</p> <p>LED OSLON Square EC FWHM 58.0° Efficiency 87 % Peak intensity 0.900 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LH351B FWHM 59.0° Efficiency 87 % Peak intensity 0.900 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		
<p>SAMSUNG</p> <p>LED LH351Z FWHM 68.0° Efficiency 88 % Peak intensity 0.760 cd/lm LEDs/each optic 1 Light colour White Required components:</p>		

PHOTOMETRIC DATA (SIMULATED):

LUMILEDS

LED LUXEON 2835 Line
FWHM 58.0°
Efficiency 93 %
Peak intensity 1.088 cd/lm
LEDs/each optic 1
Light colour White
Required components:

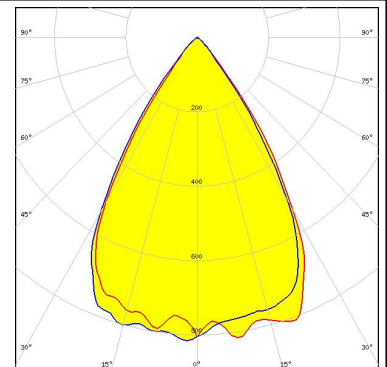


LUMILEDS

LED LUXEON 2835 Line
FWHM 60.0°
Efficiency 92 %
Peak intensity 1.032 cd/lm
LEDs/each optic 1
Light colour White
Required components:

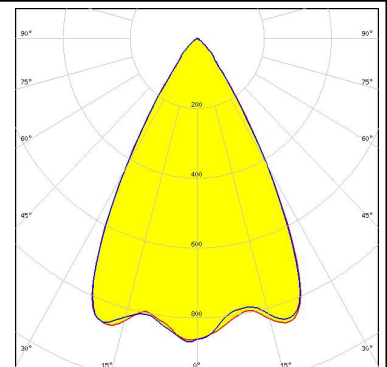
LUMILEDS

LED LUXEON H50-2
FWHM 64.0°
Efficiency 87 %
Peak intensity 0.850 cd/lm
LEDs/each optic 1
Light colour White
Required components:



NICHIA

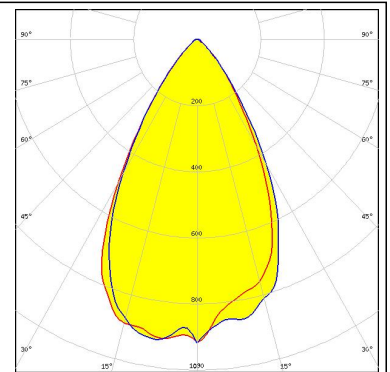
LED NCSxE17A
FWHM 60.0°
Efficiency 80 %
Peak intensity 0.892 cd/lm
LEDs/each optic 1
Light colour White
Required components:



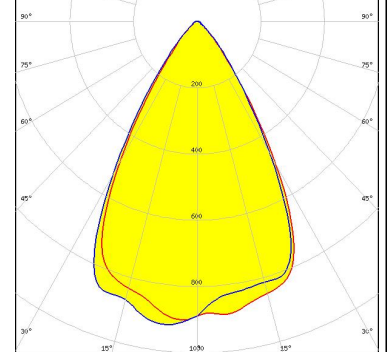
PHOTOMETRIC DATA (SIMULATED):



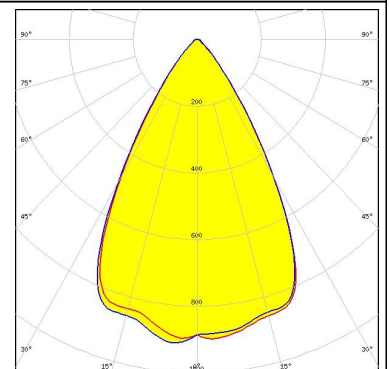
LED NF2x757G
FWHM 57.0°
Efficiency 88 %
Peak intensity 0.950 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LM28xB Series
FWHM 62.0°
Efficiency 92 %
Peak intensity 0.936 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LM301B
FWHM 62.0°
Efficiency 92 %
Peak intensity 0.914 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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