

TINA-WW

~60° wide beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

Dimensions	Ø 16.1
Height	9.5 mm
Fastening	pin, tape
ROHS compliant	yes ⓘ

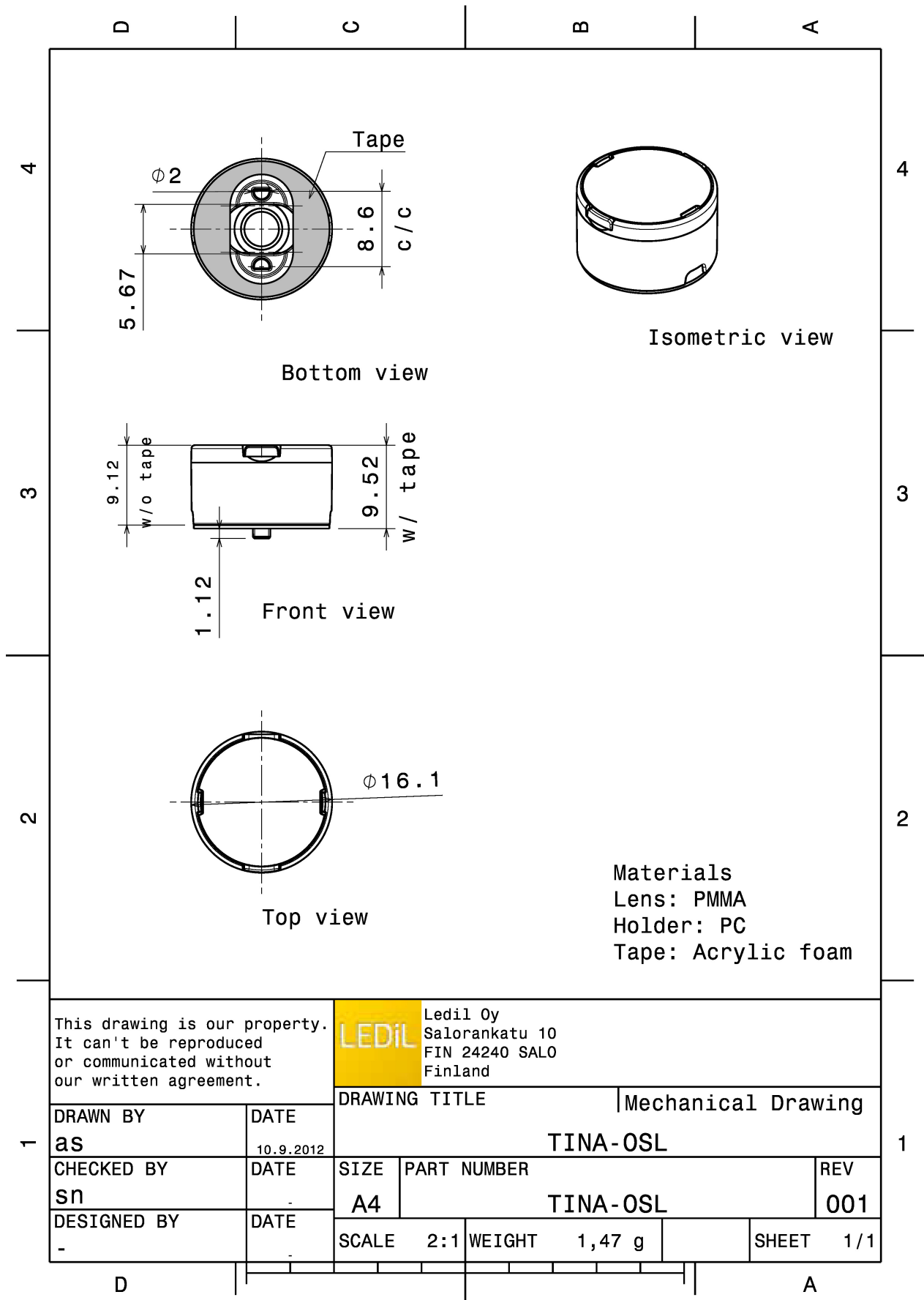


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-WW-XP	Single lens	PMMA	clear		
TINA-HLD-PIN-BLK	Holder	PC	black		
TINA-TAPE3	Tape	Acrylic foam	black		

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
FA11027_TINA-WW	2016	288	144	4.0
» Box size:				



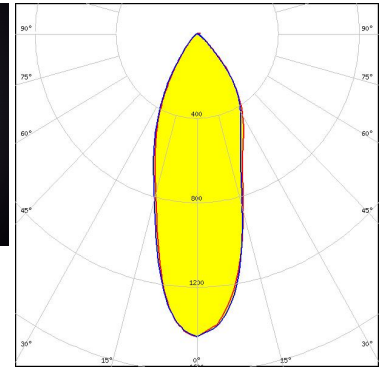
This drawing is our property. It can't be reproduced or communicated without our written agreement.		LEDiL LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
DRAWN BY as		DRAWING TITLE Mechanical Drawing	
DATE 10.9.2012		TINA-OSL	
CHECKED BY sn	DATE -	SIZE A4	PART NUMBER TINA-OSL
DESIGNED BY -	DATE -	SCALE 2:1	WEIGHT 1,47 g
		SHEET 1/1	REV 001

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

OPTICAL RESULTS (MEASURED):

LUMILEDS

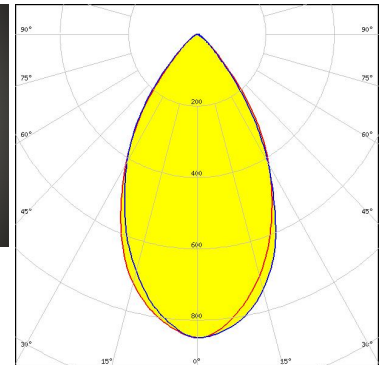
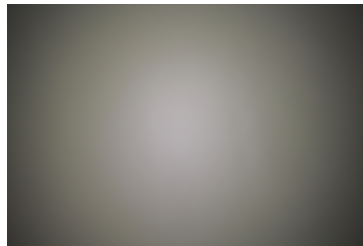
LED LUXEON C
 FWHM / FWTM 35.0° / 81.0°
 Efficiency 86 %
 Peak intensity 1.4 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

NICHIA

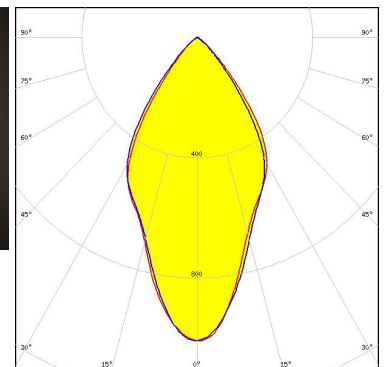
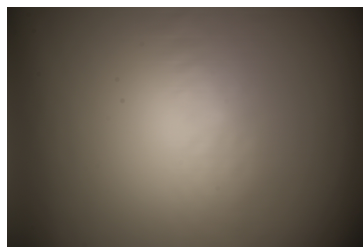
LED NVSW3x9A
 FWHM / FWTM 59.0° / 92.0°
 Efficiency 84 %
 Peak intensity 0.9 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OSRAM Opto Semiconductors

LED OSLOM SSL 80
 FWHM / FWTM 57.0° / 90.0°
 Efficiency 86 %
 Peak intensity 1 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED SFH 4715S
FWHM / FWTM 36.0° / 80.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OSRAM
Opto Semiconductors

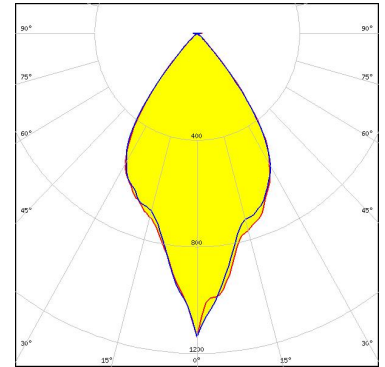
LED SFH 4725S
FWHM / FWTM 35.0° / 82.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (SIMULATED):



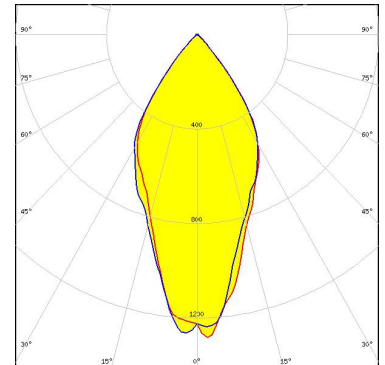
LED XQ-E HI
FWHM / FWTM 60.0° / 86.0°
Efficiency 94 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



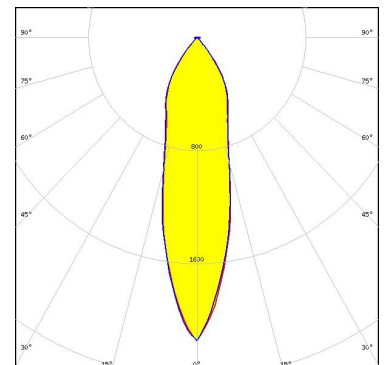
LED LUXEON Z ES
FWHM / FWTM 48.0° / 84.0°
Efficiency 95 %
Peak intensity 1.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED NCSxE17A
FWHM / FWTM 27.0° / 76.0°
Efficiency 90 %
Peak intensity 2.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

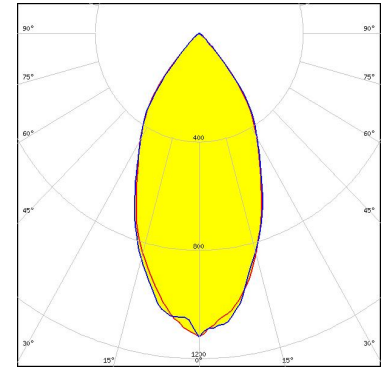


Light distribution files

OPTICAL RESULTS (SIMULATED):



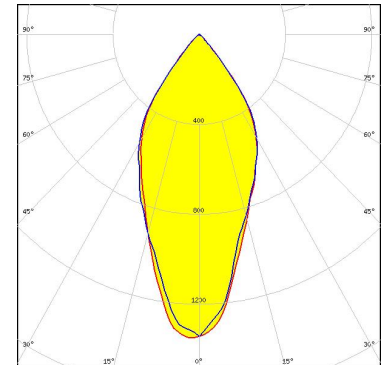
LED NVSxx19B/NVSxx19C
FWHM / FWTM 50.0°
Efficiency 89 %
Peak intensity 1.1 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



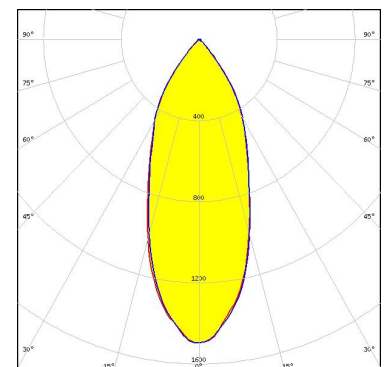
LED SYNIOS S2222
FWHM / FWTM 46.0 + 47.0° / 84.0°
Efficiency 98 %
Peak intensity 1.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED LH181B
FWHM / FWTM 40.1° / 81.3°
Efficiency 94 %
Peak intensity 1.5 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:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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