

TINA-RS

~13° spot beam. Assembly with holder, installation tape and location pins.

SPECIFICATION:

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

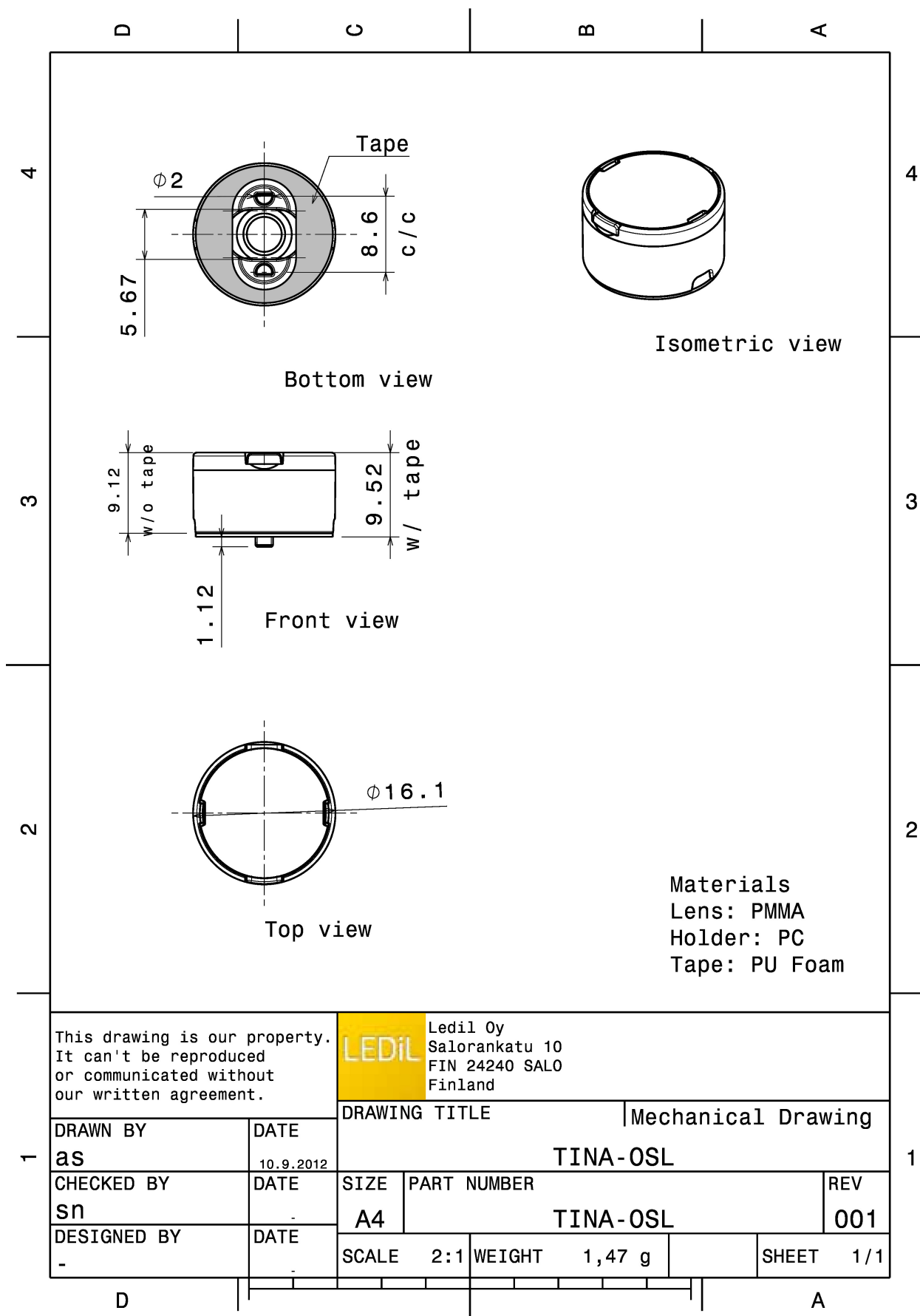


MATERIALS:

Component	Type	Material	Colour	Finish	Length (mm)
TINA-XP-RS	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)
FA11208_TINA-RS » Box size: 470 x 240 x 105 mm	2016	288	144	4.1

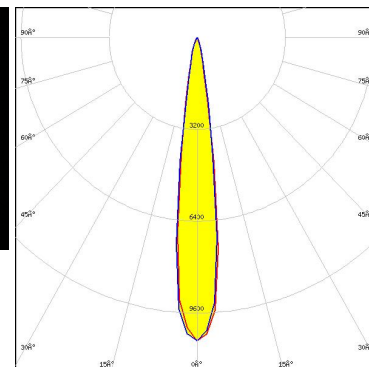
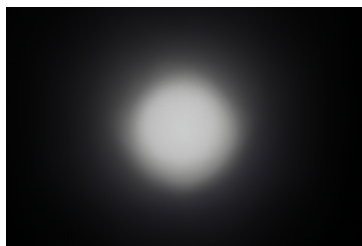


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):



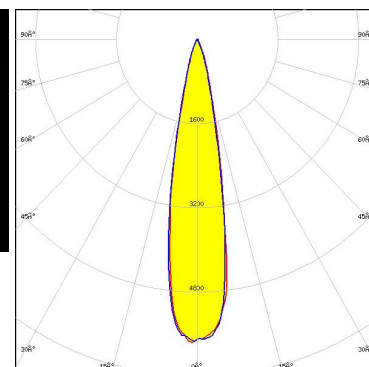
LED	XB-H
FWHM / FWTM	15.0° / 27.0°
Efficiency	88 %
Peak intensity	10.6 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



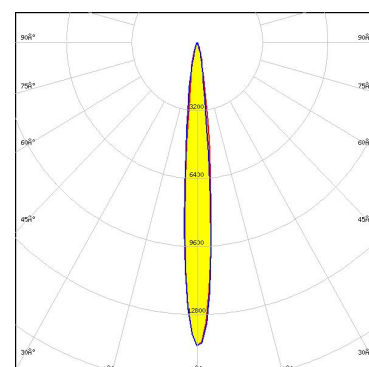
LED	NVSW3x9A
FWHM / FWTM	20.0° / 37.0°
Efficiency	88 %
Peak intensity	5.8 cd/lm
LEDs/each optic	1
Light colour/type	White
Required components:	



Light distribution files



LED	OSLON SSL 80
FWHM / FWTM	11.0° / 23.0°
Efficiency	90 %
Peak intensity	14.3 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 15.0° / 26.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OSRAM
Opto Semiconductors

LED SFH 4725S
FWHM / FWTM 10.0° / 24.0°
Efficiency %
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

SAMSUNG

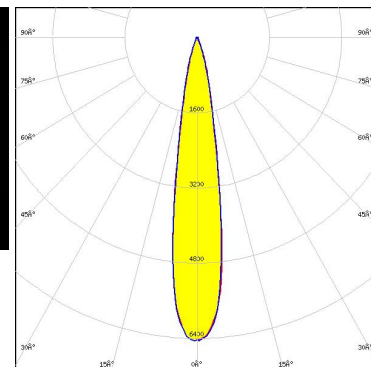
LED LH351A
FWHM / FWTM 14.0° / 26.0°
Efficiency 93 %
Peak intensity 7.8 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

Light distribution files

OPTICAL RESULTS (MEASURED):



LED Z8Y22P
FWHM / FWTM 17.0° / 35.0°
Efficiency 85 %
Peak intensity 6.4 cd/Im
LEDs/each optic 1
Light colour/type White
Required components:

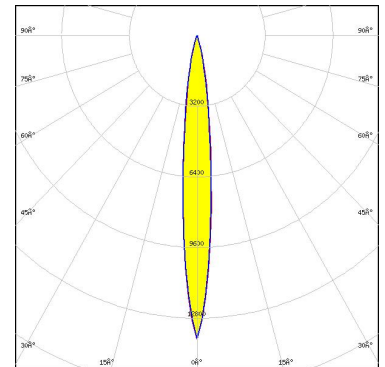


Light distribution files

OPTICAL RESULTS (SIMULATED):



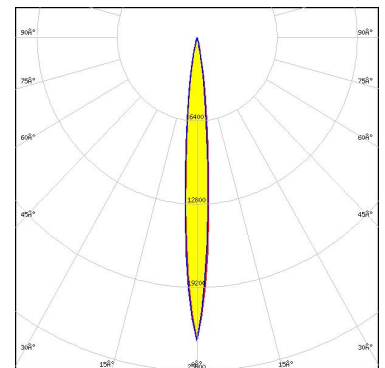
LED LUXEON C
FWHM / FWTM 12.0° / 27.0°
Efficiency 87 %
Peak intensity 13.7 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



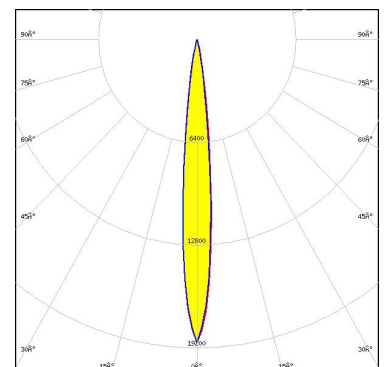
LED LUXEON CZ
FWHM / FWTM 10.0° / 21.0°
Efficiency 92 %
Peak intensity 23.3 cd/lm
LEDs/each optic 1
Light colour/type Red
Required components:



Light distribution files



LED LUXEON Z ES
FWHM / FWTM 11.0° / 22.0°
Efficiency 92 %
Peak intensity 18.9 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

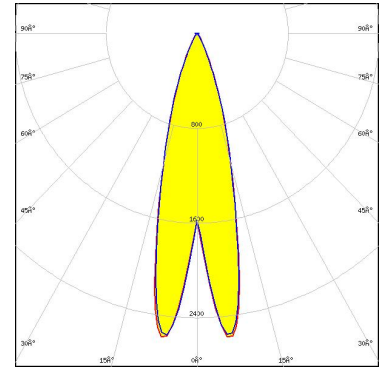


Light distribution files

OPTICAL RESULTS (SIMULATED):



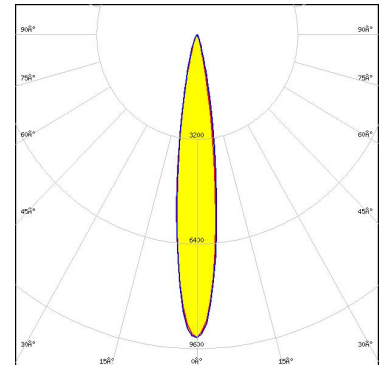
LED NCSxE17A
 FWHM / FWTM 28.0° / 50.0°
 Efficiency 85 %
 Peak intensity 2.7 cd/lm
 LEDs/each optic 4
 Light colour/type White
 Required components:



Light distribution files



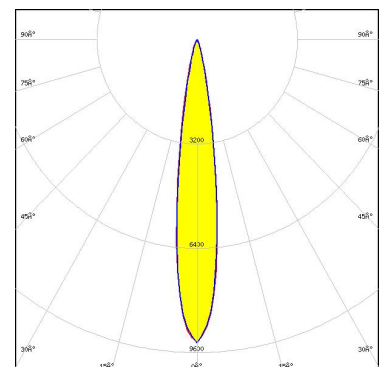
LED NF2x757G
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 92 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:



Light distribution files



LED OSLOM Square CSSRM2/CSSRM3
 FWHM / FWTM 16.0° / 30.0°
 Efficiency 91 %
 Peak intensity 9.3 cd/lm
 LEDs/each optic 1
 Light colour/type White
 Required components:

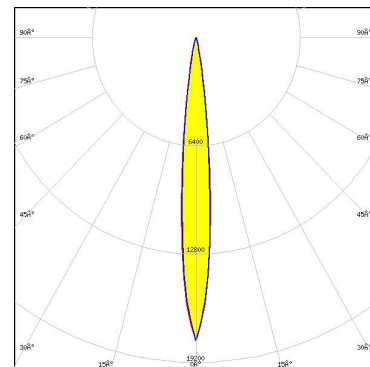


Light distribution files

OPTICAL RESULTS (SIMULATED):

OSRAM
Opto Semiconductors

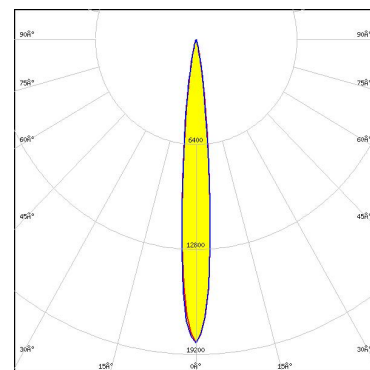
LED SYNIOS S2222
FWHM / FWTM 12.0° + 11.0° / 22.0°
Efficiency 97 %
Peak intensity 17.9 cd/m
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

STANLEY

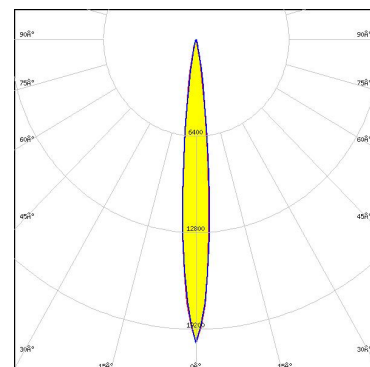
LED MGN1108MS
FWHM / FWTM 10.0° / 22.0°
Efficiency 91 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files

STANLEY

LED MJN1108MS
FWHM / FWTM 10.0° / 22.0°
Efficiency 92 %
LEDs/each optic 1
Light colour/type IR
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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