

TUIJA-3-SS

~12° smooth spot beam

SPECIFICATION:

Dimensions	Ø 50.0 mm
Height	14.5 mm
Fastening	glue, pin
ROHS compliant	yes ⓘ

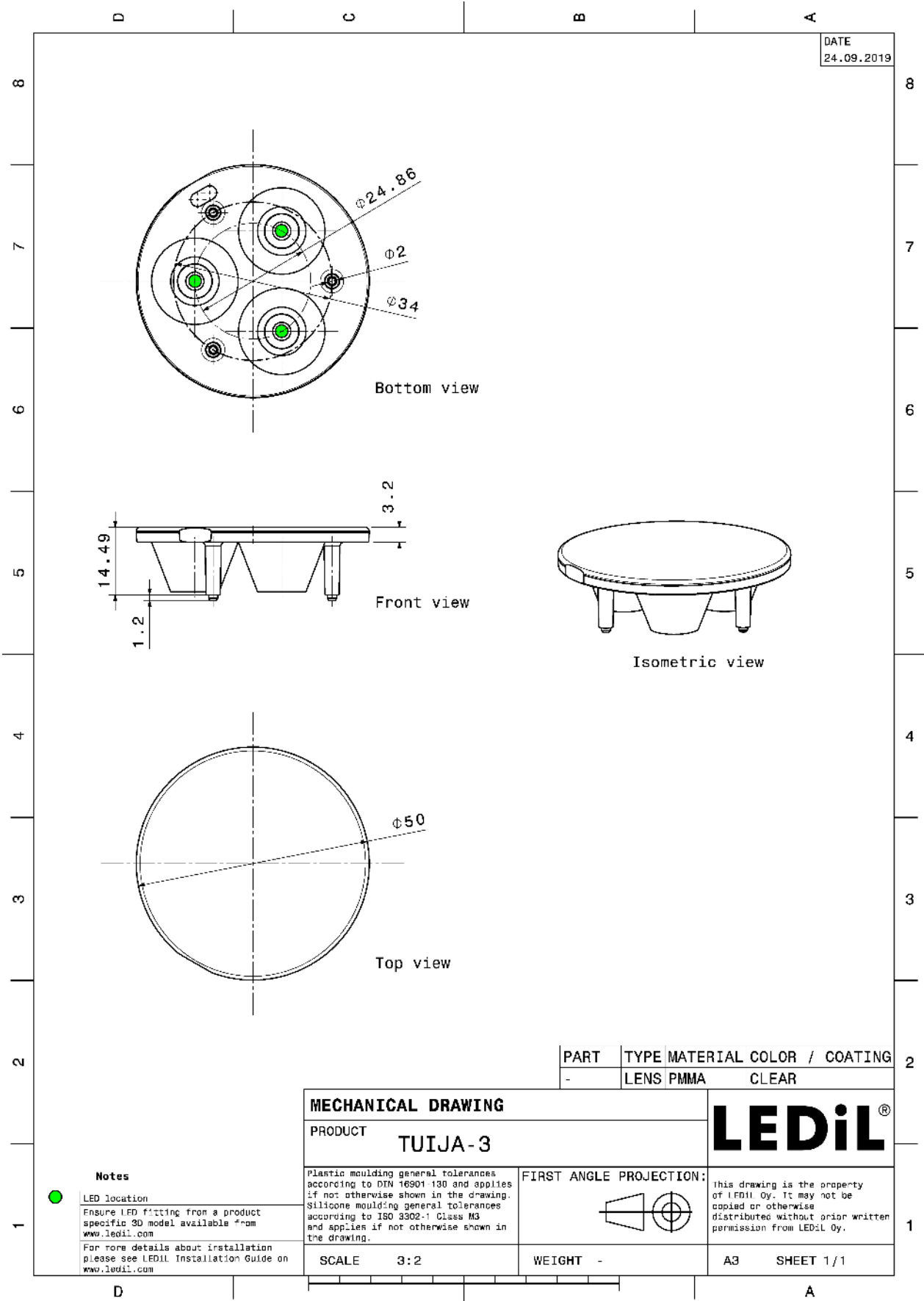


MATERIALS:

Component	Type	Material	Colour	Finish
TUIJA-3-SS	Multi-lens	PMMA	clear	

ORDERING INFORMATION:

Component	Qty in box	MOQ	MPQ	Box weight (kg)
C11192_TUIJA-3-SS » Box size: 480 x 280 x 300 mm	364	112	28	6.6

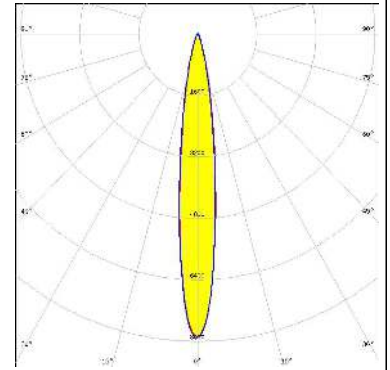


See also our general installation guide: www.ledil.com/installation_guide

OPTICAL RESULTS (MEASURED):

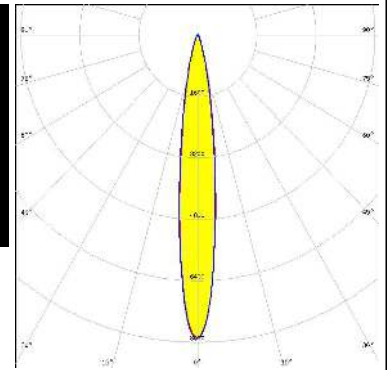
CREE LED

LED XB-D
 FWHM / FWTM 14.0° / 32.0°
 Efficiency 94 %
 Peak intensity 7.9 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



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 Efficiency 94 %
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 Light colour White
 Required components:



CREE LED

LED XP-E
 FWHM / FWTM 12.0° / 25.0°
 Efficiency 90 %
 Peak intensity 14.1 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

CREE LED

LED XP-G
 FWHM / FWTM 14.0° / 29.0°
 Efficiency 90 %
 Peak intensity 9.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



OPTICAL RESULTS (MEASURED):



LED XT-E
FWHM / FWTM 13.0° / 30.0°
Efficiency 94 %
Peak intensity 11 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON A
FWHM / FWTM 12.0°
Efficiency 90 %
LEDs/each optic 1
Light colour White
Required components:





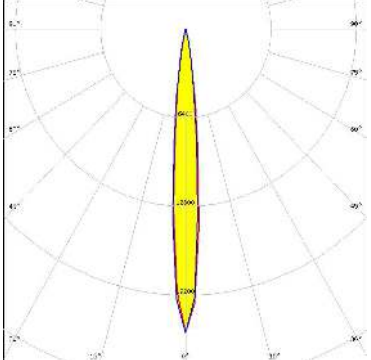


LED LUXEON Rebel
FWHM / FWTM 12.0° / 22.0°
Efficiency 90 %
Peak intensity 16.8 cd/lm
LEDs/each optic 1
Light colour White
Required components:



LED LUXEON Rebel ES
FWHM / FWTM 13.0° / 27.0°
Efficiency 90 %
Peak intensity 11.1 cd/lm
LEDs/each optic 1
Light colour White
Required components:

OPTICAL RESULTS (MEASURED):


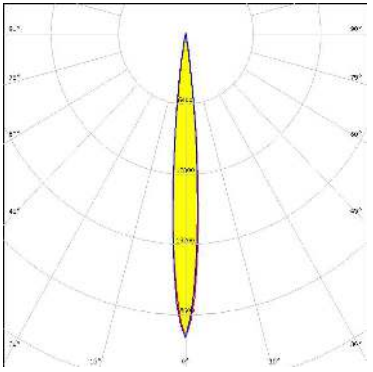

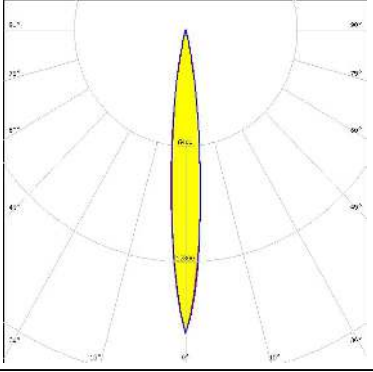

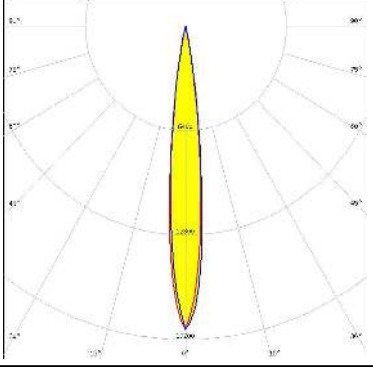

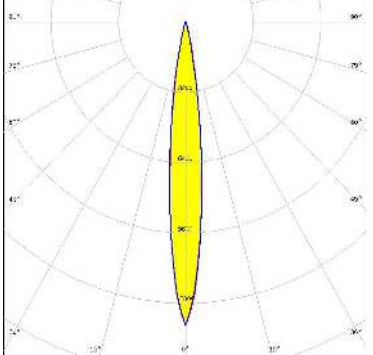
	
LED	NCSxx19A
FWHM / FWTM	12.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	
	
LED	NVSxx19A
FWHM / FWTM	10.5°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	
 <small>Ospto Semiconductors</small>	
LED	OSLON SSL 80
FWHM / FWTM	10.0° / 21.0°
Efficiency	90 %
Peak intensity	4.6 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
 <small>SEOUL SEMICONDUCTOR</small>	
LED	Z5
FWHM / FWTM	10.0° / 22.0°
Efficiency	93 %
Peak intensity	22 cd/lm
LEDs/each optic	1
Light colour	White
Required components:	
	

OPTICAL RESULTS (MEASURED):

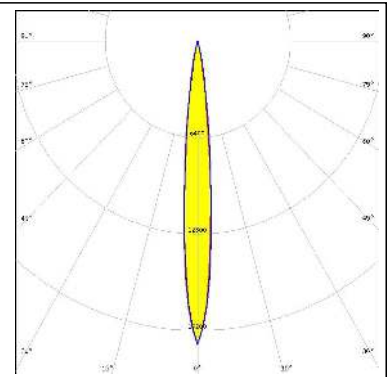
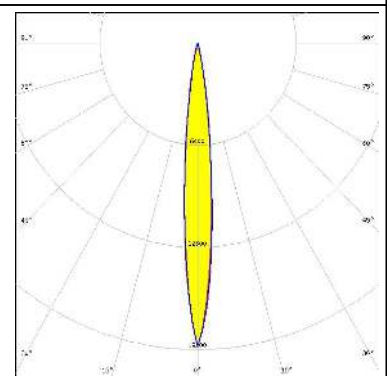
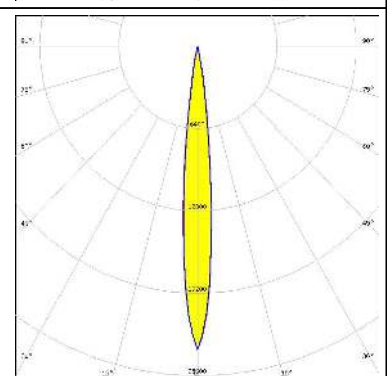
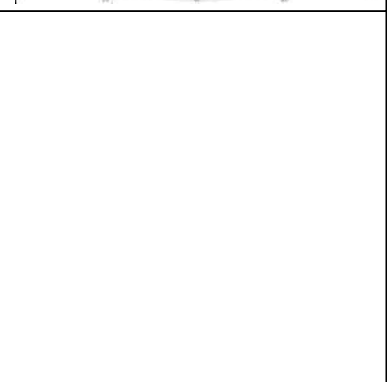
SHARP

LED	Double Dome (GM2BB)
FWHM / FWTM	12.0°
Efficiency	90 %
LEDs/each optic	1
Light colour	White
Required components:	

OPTICAL RESULTS (SIMULATED):

	<p>LED: XD16 FWHM / FWTM: 9.5° / 18.0° Efficiency: 94 % Peak intensity: 27.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-L HD FWHM / FWTM: 12.0° / 24.0° Efficiency: 97 % Peak intensity: 16.7 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-L HI FWHM / FWTM: 12.0° / 22.0° Efficiency: 97 % Peak intensity: 18.6 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	
	<p>LED: XP-L2 FWHM / FWTM: 12.0° / 26.0° Efficiency: 97 % Peak intensity: 13.8 cd/lm LEDs/each optic: 1 Light colour: White Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>LUMILEDS</p> <p>LED: LUXEON Rebel Plus</p> <p>FWHM / FWTM: 10.0° / 21.0°</p> <p>Efficiency: 96 %</p> <p>Peak intensity: 20.1 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSCONIQ P 3737 (3W version)</p> <p>FWHM / FWTM: 11.0° / 22.0°</p> <p>Efficiency: 97 %</p> <p>Peak intensity: 19 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSLON Square CSSRM2/CSSRM3</p> <p>FWHM / FWTM: 11.0° / 20.0°</p> <p>Efficiency: 94 %</p> <p>Peak intensity: 23.6 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED: OSLON SSL 150</p> <p>FWHM / FWTM: 12.0°</p> <p>Efficiency: %</p> <p>Peak intensity: 17 cd/lm</p> <p>LEDs/each optic: 1</p> <p>Light colour: White</p> <p>Required components:</p>	

OPTICAL RESULTS (SIMULATED):

<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4715AS</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 17.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p>OSRAM Opto Semiconductors</p> <p>LED SFH 4716AS</p> <p>FWHM / FWTM 12.0° / 24.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 17.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p>SAMSUNG</p> <p>LED LH351D</p> <p>FWHM / FWTM 12.0° / 26.0°</p> <p>Efficiency 96 %</p> <p>Peak intensity 14.5 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>	

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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LEDiL Oy

Joensuunkatu 13
FI-24240 SALO
Finland

LEDiL Inc.

228 West Page Street
Suite D
Sycamore IL 60178
USA

Ledil Optics Technology (Shenzhen) Co., Ltd.

405 , Block B
Casic Motor Building
Shenzhen 518057
P.R.CHINA

Local sales and technical support

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