

## TUIJA-3-W

~55° wide beam

### SPECIFICATION:

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

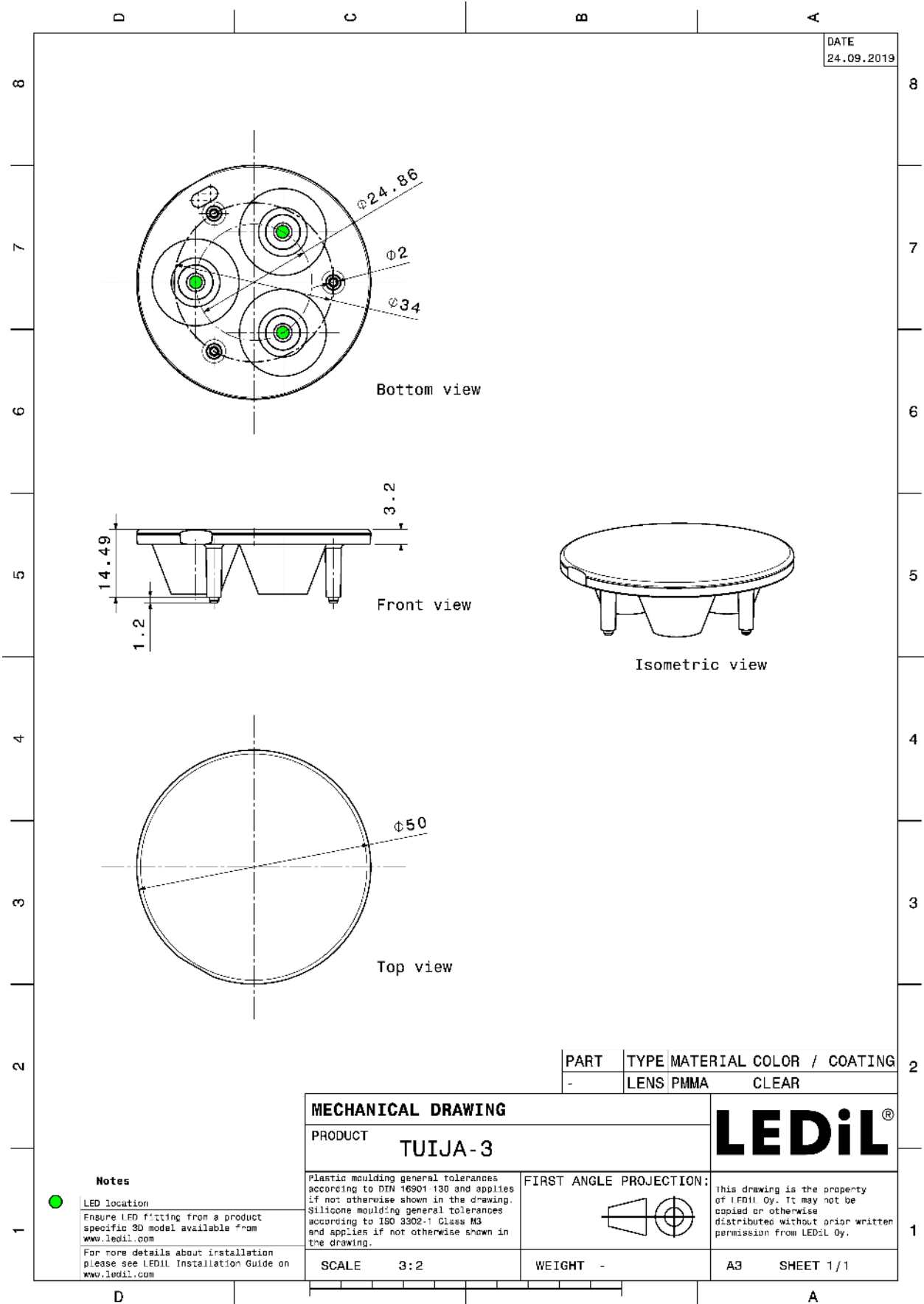
### MATERIALS:

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

### ORDERING INFORMATION:

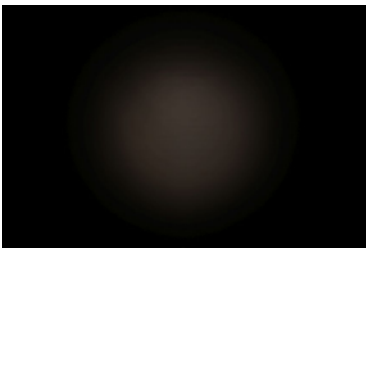
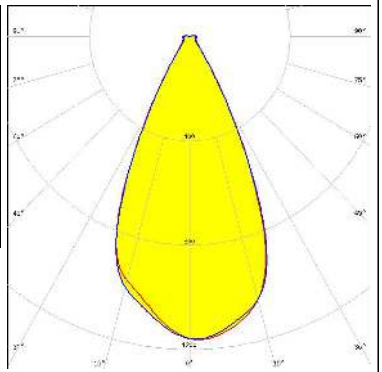

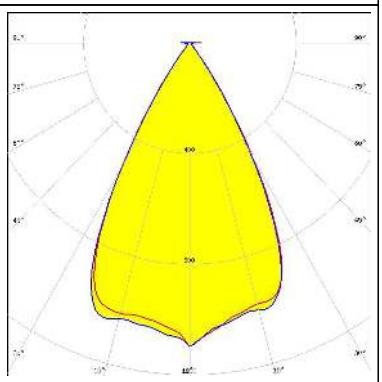

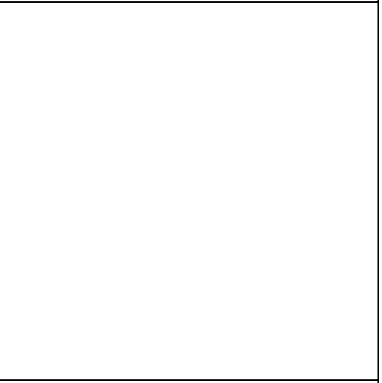

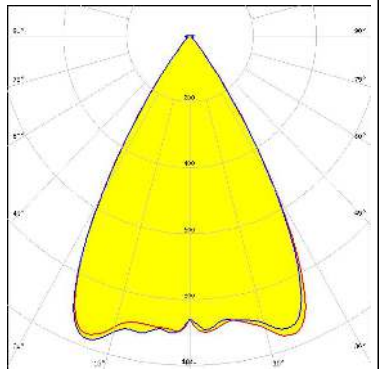
Component	Qty in box	MOQ	MPQ	Box weight (kg)
C11191_TUIJA-3-W » Box size: 480 x 280 x 300 mm	364	112	28	6.4





See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XB-D            FWHM / FWTM 50.0° / 73.0°            Efficiency 92 %            Peak intensity 1.2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XB-D            FWHM / FWTM 49.0°            Efficiency 86 %            Peak intensity 1.1 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XP-E            FWHM / FWTM 58.0° / 74.0°            Efficiency 86 %            Peak intensity 0.9 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>CREE</b> ⇄ <b>LED</b></p> <p>LED XP-G            FWHM / FWTM 59.0° / 76.0°            Efficiency 86 %            Peak intensity 0.8 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

### OPTICAL RESULTS (MEASURED):

#### LUMILEDS

LED LUXEON A  
FWHM / FWTM 56.0°  
Efficiency 86 %  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS

LED LUXEON Rebel  
FWHM / FWTM 48.0° / 72.0°  
Efficiency 86 %  
Peak intensity 1.1 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### LUMILEDS


LED LUXEON Rebel ES  
FWHM / FWTM 56.0° / 78.0°  
Efficiency 86 %  
Peak intensity 0.9 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

#### OSRAM

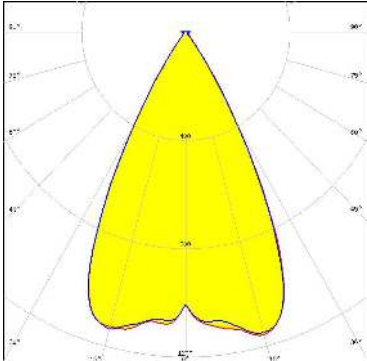
Opto Semiconductors

LED OSLOM SSL 80  
FWHM / FWTM 46.0° / 64.0°  
Efficiency 86 %  
Peak intensity 0.4 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:

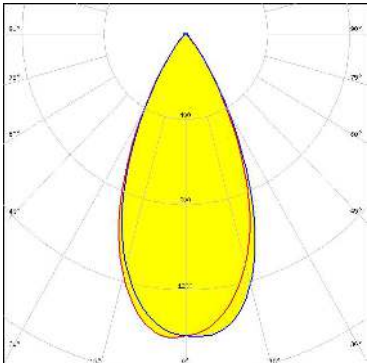
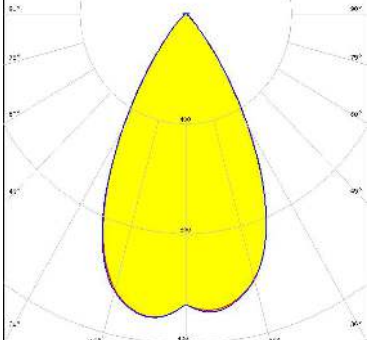
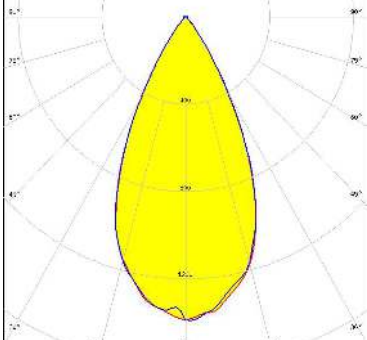
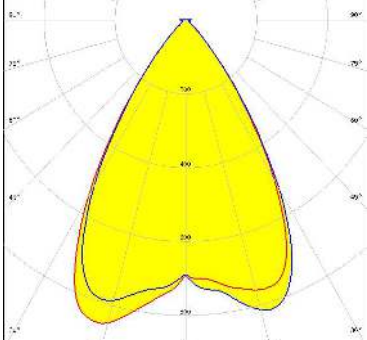
### OPTICAL RESULTS (MEASURED):

 SECOIL SEMICONDUCTOR		
LED	Z5	
FWHM / FWTM	48.0° / 70.0°	
Efficiency	88 %	
Peak intensity	1.4 cd/lm	
LEDs/each optic	1	
Light colour	White	
Required components:		
<b>SHARP</b>		
LED	Double Dome (GM2BB)	
FWHM / FWTM	58.0°	
Efficiency	86 %	
LEDs/each optic	1	
Light colour	White	
Required components:		

#### OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XT-E            FWHM / FWTM: 56.0° / 71.0°            Efficiency: 93 %            Peak intensity: 1.2 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NCSxx19A            FWHM / FWTM: 54.0°            Efficiency: %            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>NICHIA</b></p> <p>LED: NVSxx19A            FWHM / FWTM: 54.0°            Efficiency: %            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b>  <small>Opto Semiconductors</small></p> <p>LED: OSOLON SSL 150            FWHM / FWTM: 58.0°            Efficiency: %            Peak intensity: 1.1 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	

#### OPTICAL RESULTS (SIMULATED):

<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED SFH 4715AS</p> <p>FWHM / FWTM 48.0° / 74.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED SFH 4716AS</p> <p>FWHM / FWTM 56.0° / 81.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.1 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED SFH 4725S</p> <p>FWHM / FWTM 51.0° / 74.0°</p> <p>Efficiency 94 %</p> <p>Peak intensity 1.4 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour IR</p> <p>Required components:</p>	
<p><b>SAMSUNG</b></p> <p>LED LH351C</p> <p>FWHM / FWTM 65.0° / 88.0°</p> <p>Efficiency 93 %</p> <p>Peak intensity 0.9 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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