

## MINNIE-WWW

~70° very wide beam optimized for LUXEON M/MX. Assembly with holder and installation tape.

### SPECIFICATION:

Dimensions	Ø 35.0 mm
Height	15.8 mm
Fastening	tape
ROHS compliant	yes ⓘ

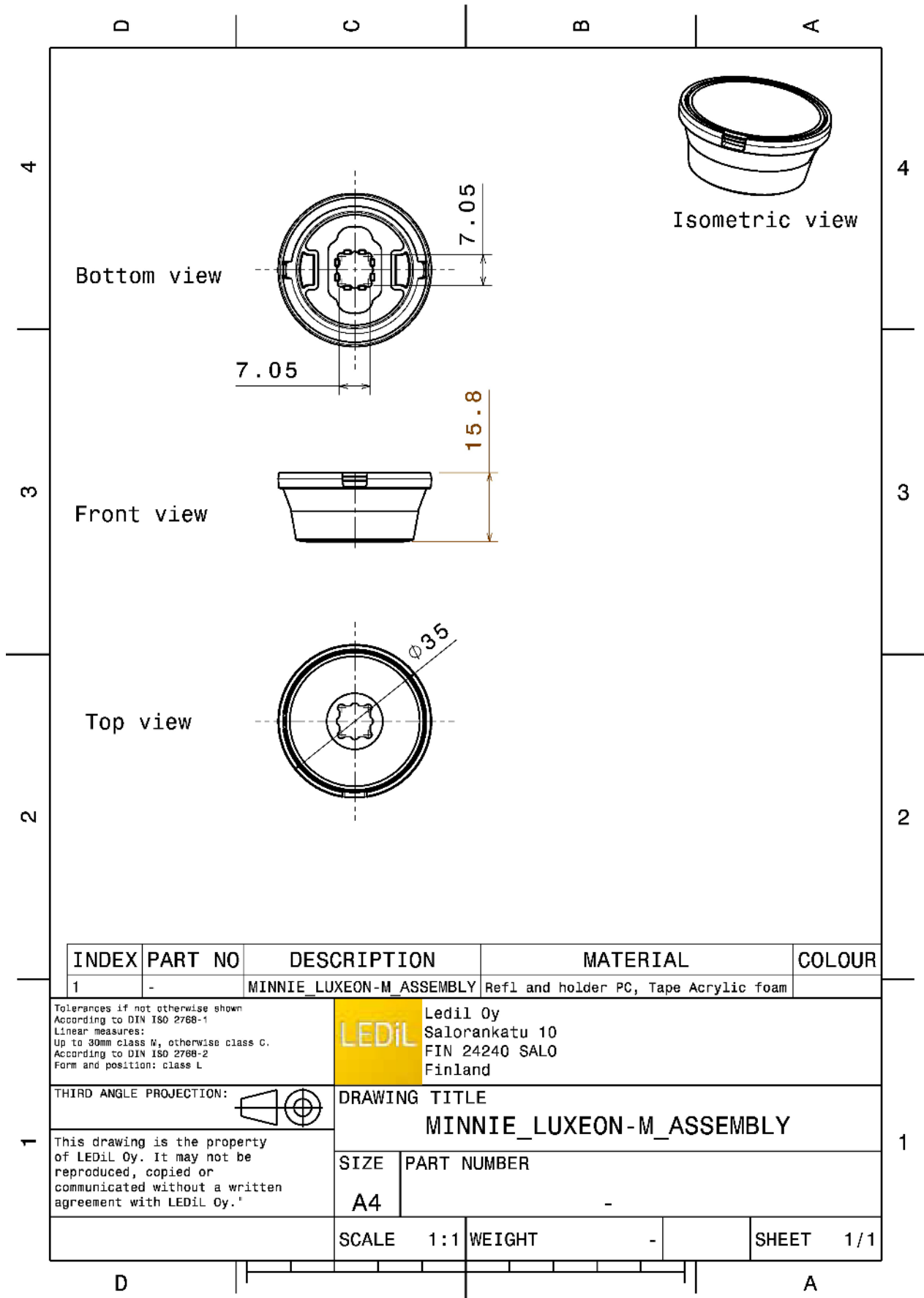
### MATERIALS:

Component	Type	Material	Colour	Finish
MINNIE-WWW	Reflector	PC	metal	
MINNIE-HLD-M	Holder	PC	black	
SPUTNIK-TAPE	Tape	Acrylic foam	black	

### ORDERING INFORMATION:

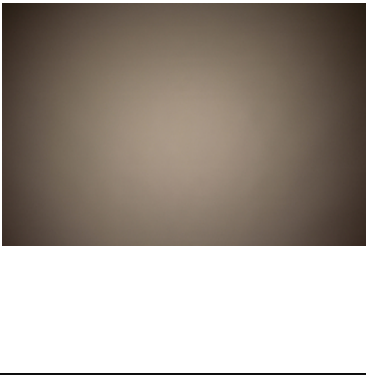
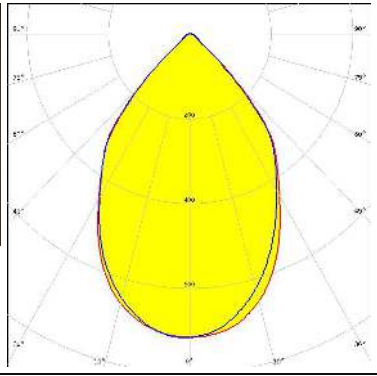
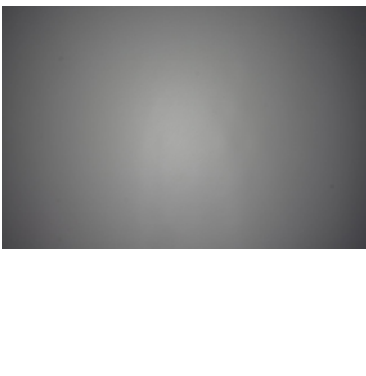
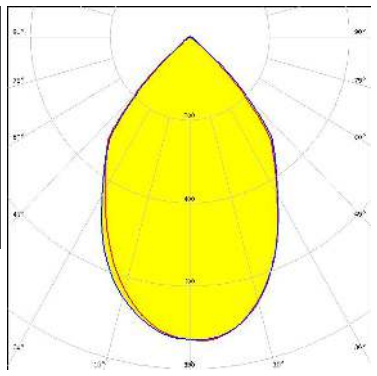

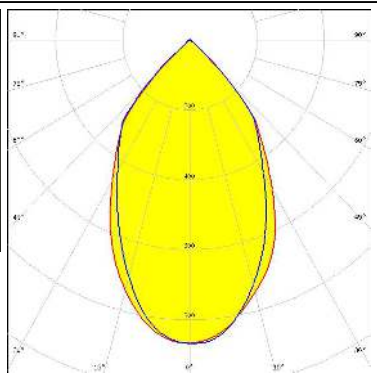

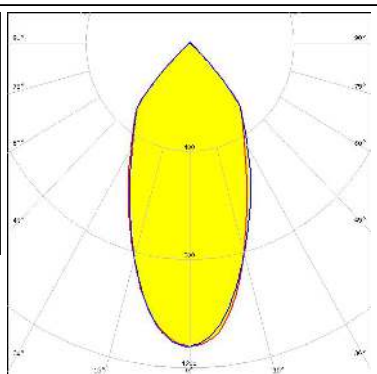
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA12883_MINNIE-WWW	Reflector	840	120	60	6.2
» Box size:					





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

### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> → LED</p> <p>LED: MHD-E/G            FWHM / FWTM: 73.0° / 99.0°            Efficiency: 95 %            Peak intensity: 0.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>CREE</b> → LED</p> <p>LED: XHP70            FWHM / FWTM: 71.0° / 98.0°            Efficiency: 90 %            Peak intensity: 0.7 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED: LUXEON M/MX            FWHM / FWTM: 63.0° / 95.0°            Efficiency: 92 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		
<p><b>NICHIA</b></p> <p>LED: NFMW48xA            FWHM / FWTM: 49.0° / 91.0°            Efficiency: 1 %            Peak intensity: 92 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>		

## OPTICAL RESULTS (SIMULATED):

<p><b>CREE</b> LED</p> <p>LED: XHP70.3 HD            FWHM / FWTM: 68.0° / 94.0°            Efficiency: 88 %            Peak intensity: 0.8 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>LUMILEDS</b></p> <p>LED: LUXEON 7070            FWHM / FWTM: 62.0° / 90.0°            Efficiency: 91 %            Peak intensity: 0.9 cd/lm            LEDs/each optic: 1            Light colour: White            Required components:</p>	
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED: OSCONIQ P 7070            FWHM / FWTM: 61.0° / 92.0°            Efficiency: 92 %            Peak intensity: 1 cd/lm            LEDs/each optic: 1            Light colour: White            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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