

## MINNIE-LT-M-PIN

~25° medium beam. Assembly with location pins and installation tape.

### SPECIFICATION:

Dimensions	Ø 35.0 mm
Height	15.6 mm
Fastening	tape, pin
ROHS compliant	yes ⓘ

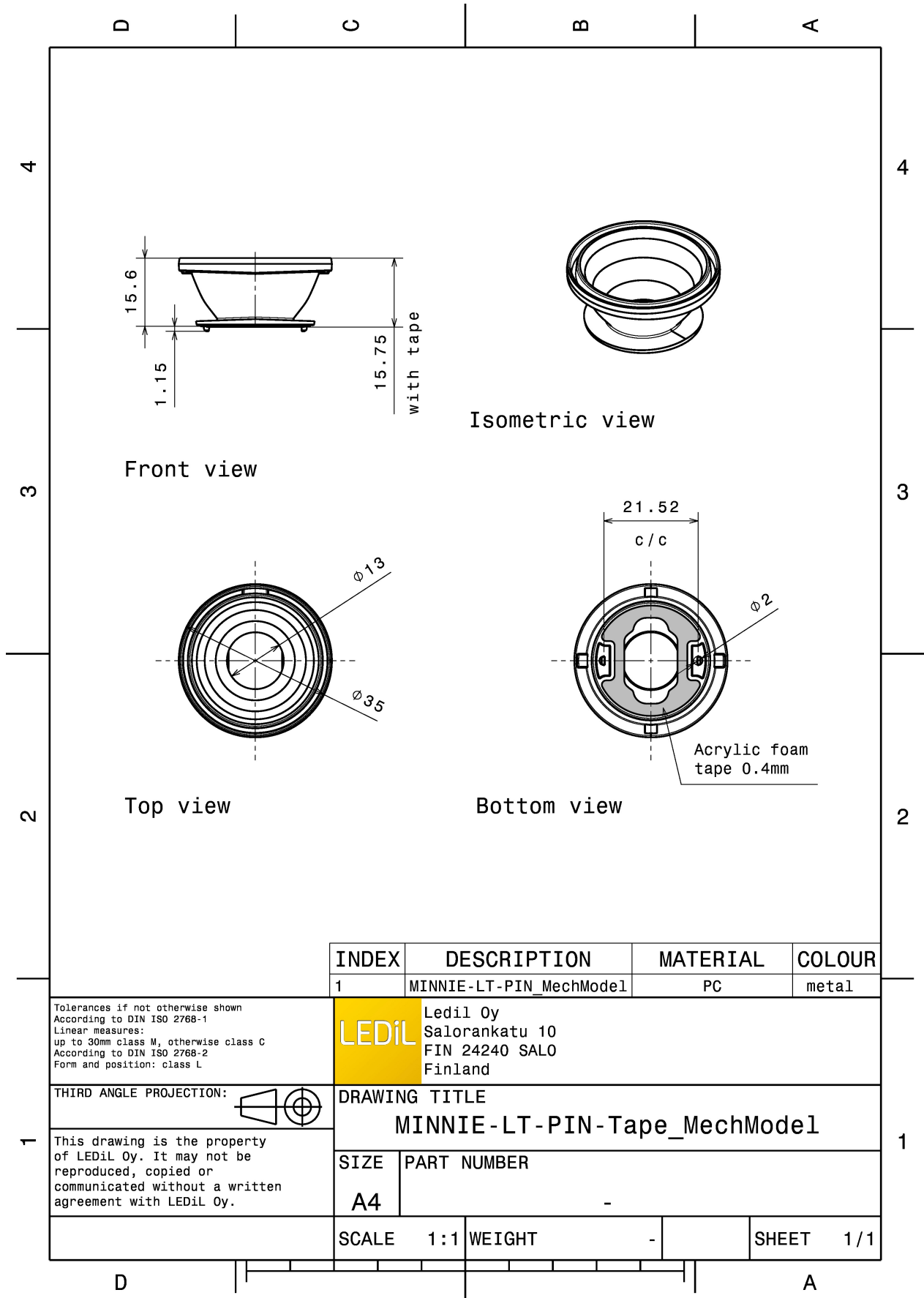
### MATERIALS:

Component	Type	Material	Colour	Finish
MINNIE-LT-M-PIN	Reflector	PC	metal	
SPUTNIK-TAPE3	Tape	Acrylic foam	black	

### ORDERING INFORMATION:


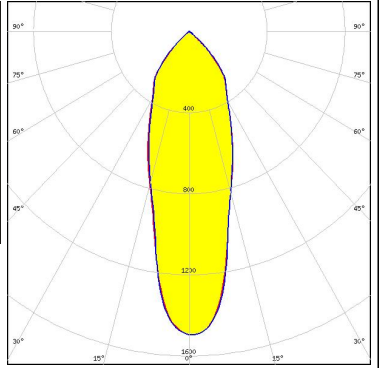

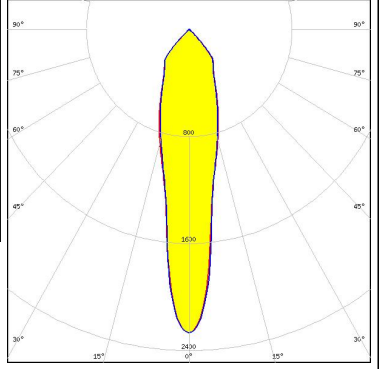
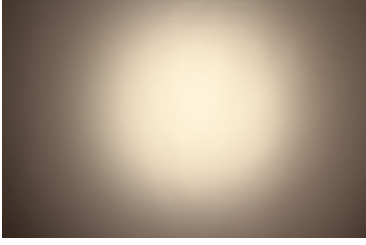
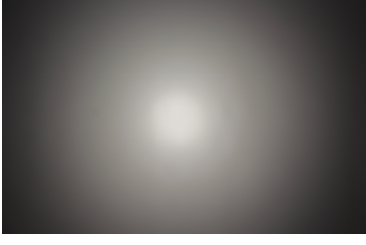
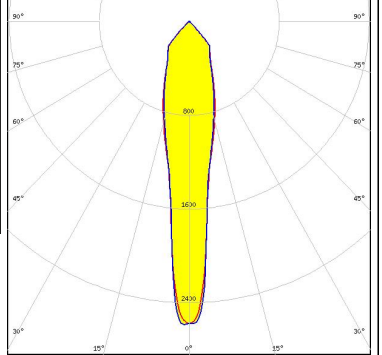
Component		Qty in box	MOQ	MPQ	Box weight (kg)
CA14941_MINNIE-LT-M-PIN	Reflector	720	90	45	3.9
» Box size: 480 x 280 x 300 mm					




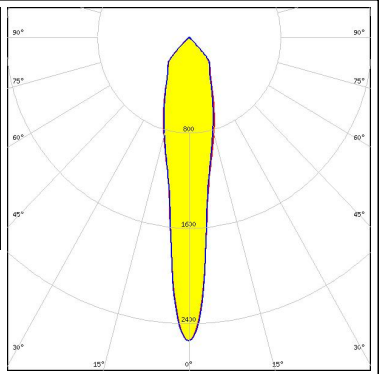

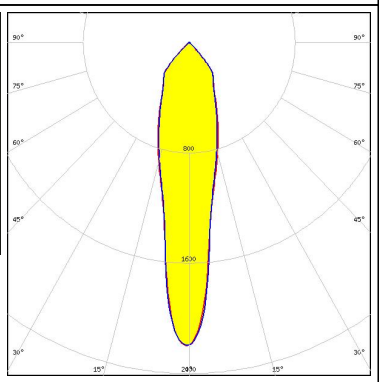

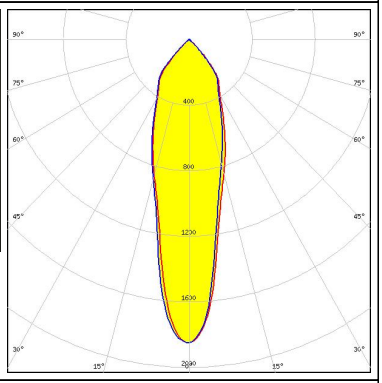

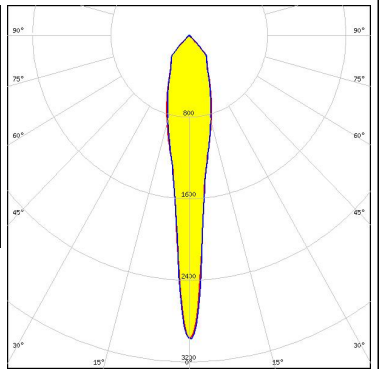


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

#### OPTICAL RESULTS (MEASURED):

<p><b>CREE</b> LED</p> <p>LED XHP70.2            FWHM / FWTM 33.0° / 90.0°            Efficiency 91 %            Peak intensity 1.5 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON 5050 Round LES            FWHM / FWTM 20.0° / 84.0°            Efficiency 93 %            Peak intensity 2.3 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX            FWHM / FWTM 23.0° / 90.0°            Efficiency 92 %            Peak intensity 2 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		
<p><b>LUMILEDS</b></p> <p>LED LUXEON MZ            FWHM / FWTM 16.0° / 83.0°            Efficiency 92 %            Peak intensity 2.6 cd/lm            LEDs/each optic 1            Light colour White            Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

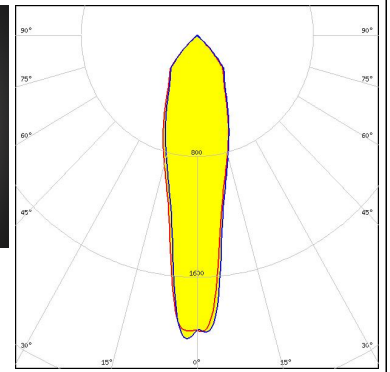
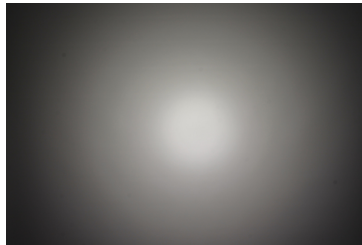
<p><b>LUMILEDS</b></p> <p>LED LUXEON V</p> <p>FWHM / FWTM 16.0° / 84.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 2.5 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>NICHIA</b></p> <p>LED NFMW48xA</p> <p>FWHM / FWTM 20.0° / 84.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 2.2 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED Duris S10</p> <p>FWHM / FWTM 26.0° / 85.0°</p> <p>Efficiency 91 %</p> <p>Peak intensity 1.9 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		
<p><b>OSRAM</b> Opto Semiconductors</p> <p>LED OSCONIQ P 3737 (2W version)</p> <p>FWHM / FWTM 12.0° / 75.0°</p> <p>Efficiency 92 %</p> <p>Peak intensity 3 cd/m</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p>		

#### OPTICAL RESULTS (MEASURED):

##### OSRAM

Opto Semiconductors

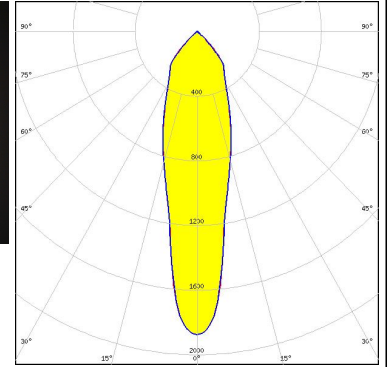
LED OSCONIQ P 7070  
 FWHM / FWTM 23.0° / 85.0°  
 Efficiency 91 %  
 Peak intensity 2 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### SEOL

SEOUL SEMICONDUCTOR

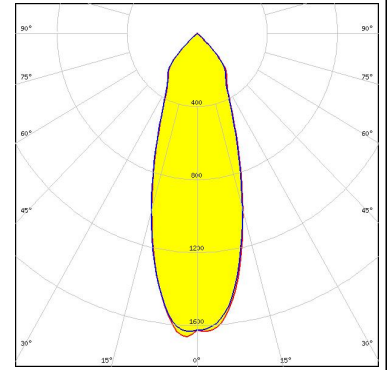
LED WICOP 5050  
 FWHM / FWTM 25.0° / 87.0°  
 Efficiency 90 %  
 Peak intensity 1.9 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



#### OPTICAL RESULTS (SIMULATED):

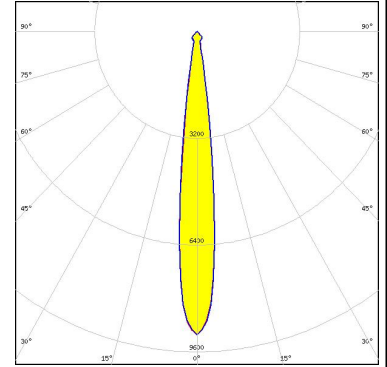
##### CREE LED

LED MK-R  
 FWHM / FWTM 35.0° / 88.0°  
 Efficiency 93 %  
 Peak intensity 1.7 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



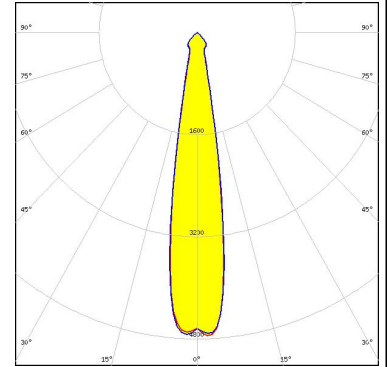
##### CREE LED

LED XHP50.3 HD  
 FWHM / FWTM 12.0° / 24.0°  
 Efficiency 94 %  
 Peak intensity 9.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



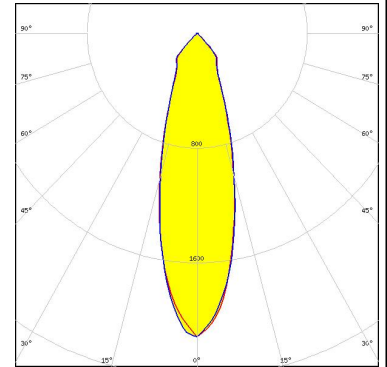
##### CREE LED

LED XHP70.3 HD  
 FWHM / FWTM 18.0° / 34.0°  
 Efficiency 94 %  
 Peak intensity 4.8 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



##### CREE LED

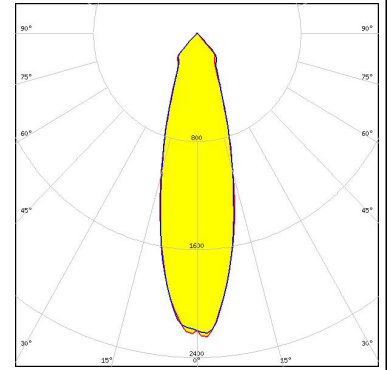
LED XP-G3  
 FWHM / FWTM 30.0° / 82.0°  
 Efficiency 90 %  
 Peak intensity 2.1 cd/lm  
 LEDs/each optic 1  
 Light colour White  
 Required components:



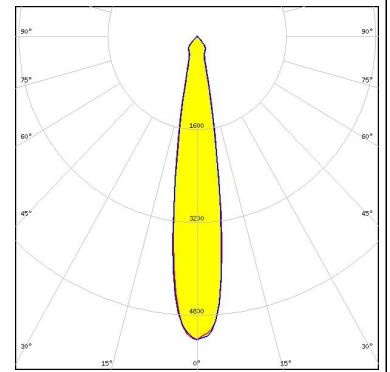
#### OPTICAL RESULTS (SIMULATED):



LED XT-E  
FWHM / FWTM 29.0° / 79.0°  
Efficiency 90 %  
Peak intensity 2.3 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED LUXEON 7070  
FWHM / FWTM 18.0° / 35.0 + 36.0°  
Efficiency 96 %  
Peak intensity 5.2 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:





### 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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