

## MINNIE-M

~25° medium 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 ⓘ     |

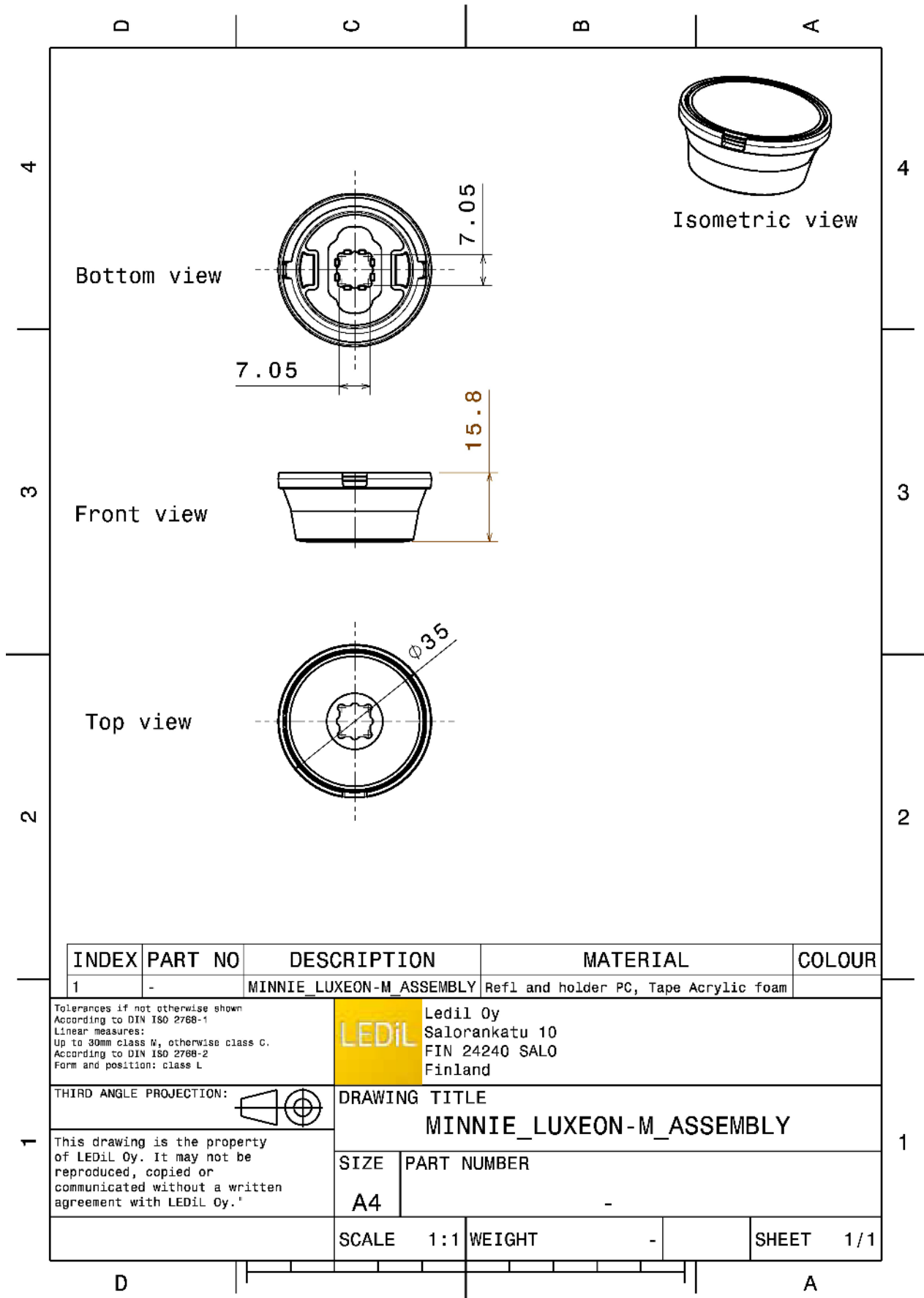
### MATERIALS:

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

### ORDERING INFORMATION:


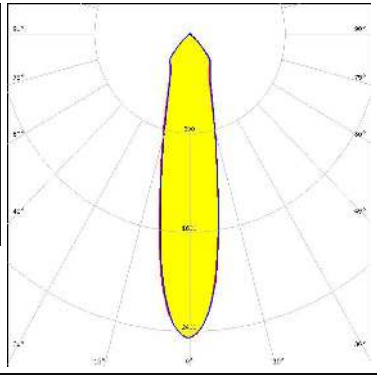

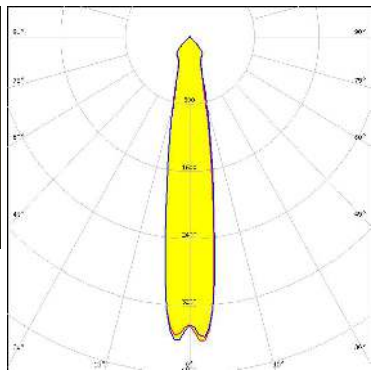

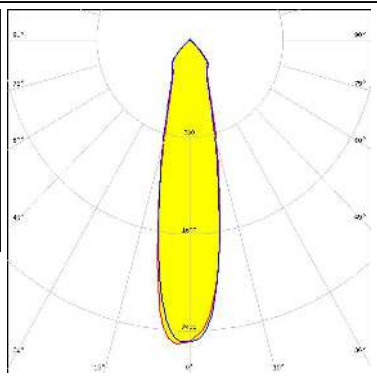

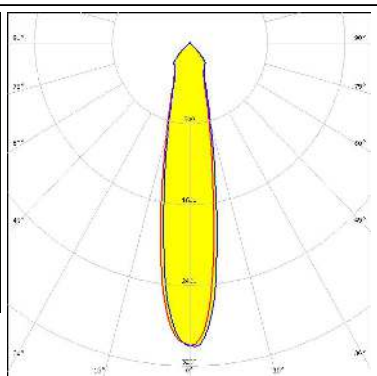
| Component                      |           | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-----------|------------|-----|-----|-----------------|
| CA12881_MINNIE-M               | Reflector | 840        | 120 | 60  | 6.0             |
| » Box size: 480 x 280 x 300 mm |           |            |     |     |                 |





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

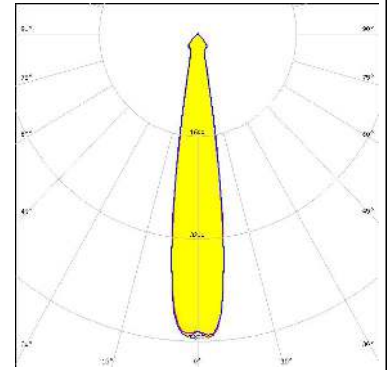
#### OPTICAL RESULTS (MEASURED):

|  |  |   |
|--|--|---|
| <p><b>CREE</b> → LED</p> <p>LED MHD-E/G<br/>           FWHM / FWTM 23.0° / 80.0°<br/>           Efficiency 92 %<br/>           Peak intensity 2.5 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |    |    |
| <p><b>CREE</b> → LED</p> <p>LED MK-R<br/>           FWHM / FWTM 18.0° / 45.0°<br/>           Efficiency 89 %<br/>           Peak intensity 3.6 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>    |   |   |
| <p><b>CREE</b> → LED</p> <p>LED XHP70<br/>           FWHM / FWTM 23.0° / 76.0°<br/>           Efficiency 88 %<br/>           Peak intensity 2.5 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p>   |  |  |
| <p><b>LUMILEDS</b></p> <p>LED LUXEON M/MX<br/>           FWHM / FWTM 21.0° / 60.0°<br/>           Efficiency 90 %<br/>           Peak intensity 3 cd/lm<br/>           LEDs/each optic 1<br/>           Light colour White<br/>           Required components:</p> |  |  |

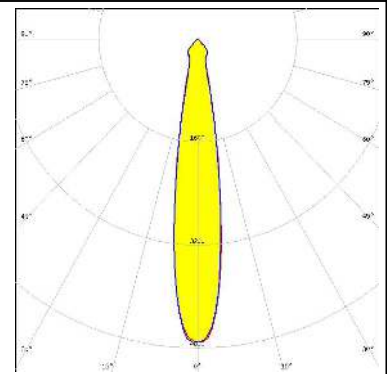
### OPTICAL RESULTS (SIMULATED):



LED XHP70.3 HD  
FWHM / FWTM 18.0° / 33.0 + 34.0°  
Efficiency 88 %  
Peak intensity 4.7 cd/lm  
LEDs/each optic 1  
Light colour White  
Required components:



LED OSCONIQ P 7070  
FWHM / FWTM 18.0° / 36.0°  
Efficiency 92 %  
Peak intensity 1 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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