

## LM1-D

~14° diffused spot beam optimized for CREE MC-E. 14.04 mm high assembly with installation tape.

### SPECIFICATION:

|                |           |
|----------------|-----------|
| Dimensions     | Ø 21.6 mm |
| Height         | 14 mm     |
| Fastening      | tape      |
| ROHS compliant | yes ⓘ     |

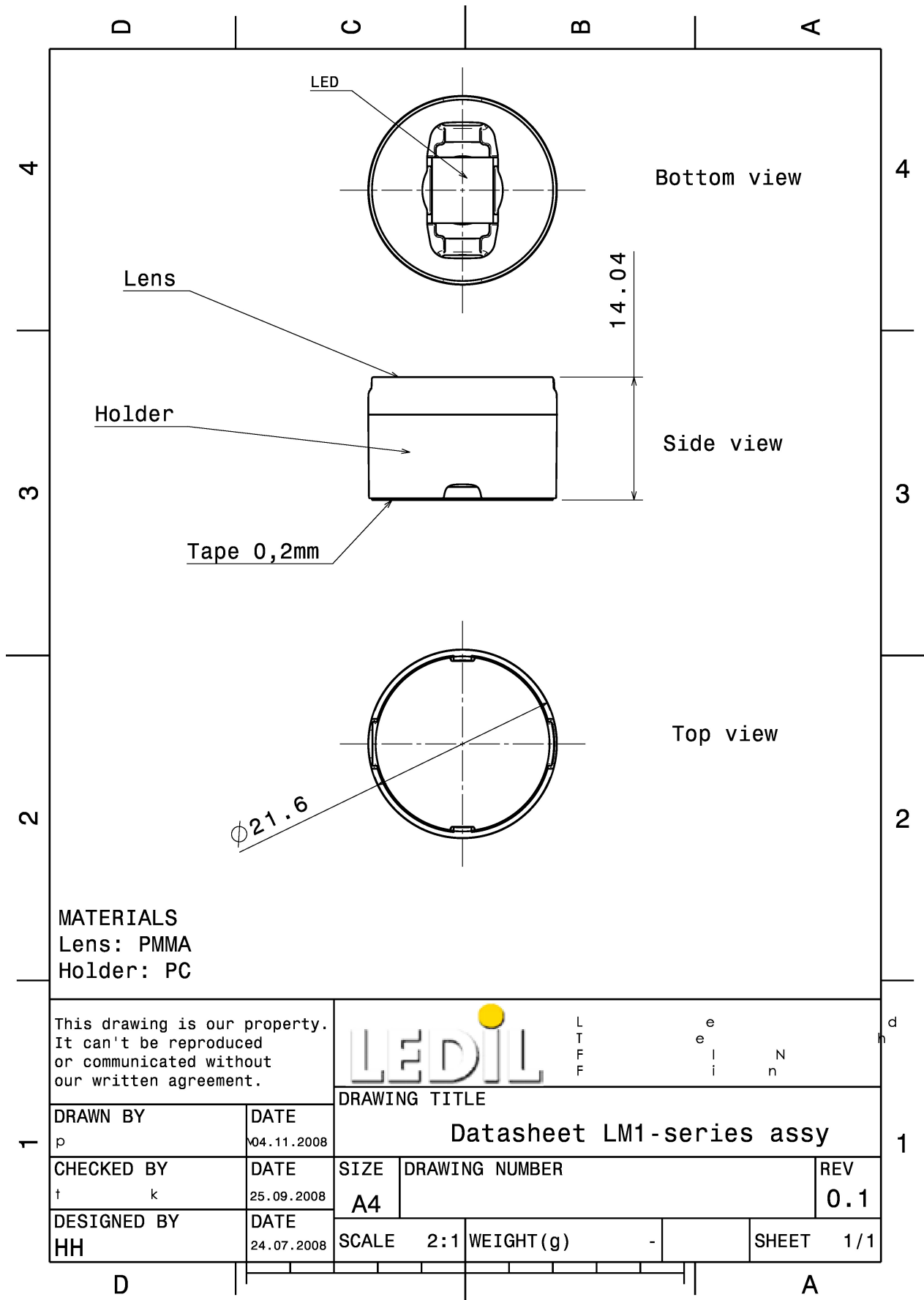


### MATERIALS:

| Component       | Type        | Material       | Colour | Finish | Length |
|-----------------|-------------|----------------|--------|--------|--------|
| LM1-D           | Single lens | PMMA           | clear  |        | 21.6   |
| LM-LH1-TAPE-BLK | Holder      | PC             | black  |        | 21.6   |
| LEILA-TAPE      | Tape        | PET tape 0,2mm | black  |        | 20.7   |

### ORDERING INFORMATION:

| Component                    | Qty in box | MOQ | MPQ | Box weight (kg) |
|------------------------------|------------|-----|-----|-----------------|
| FA10650_LM1-D<br>» Box size: | 2160       | 288 | 144 | 10.2            |



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

## OPTICAL RESULTS (MEASURED):



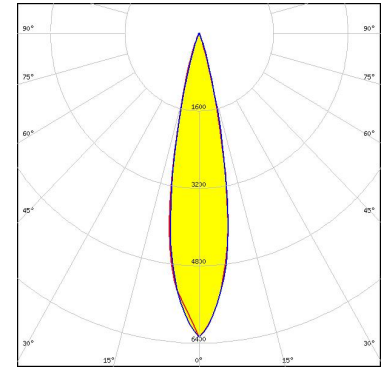
|                      |               |
|----------------------|---------------|
| LED                  | MC-E          |
| FWHM / FWTM          | 20.0° / 91.0° |
| Efficiency           | %             |
| LEDs/each optic      | 1             |
| Light colour/type    | White         |
| Required components: |               |

Light distribution files

### OPTICAL RESULTS (SIMULATED):



LED MC-E  
FWHM / FWTM 22.0° / 36.0°  
Efficiency 94 %  
Peak intensity 6.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED XHP50  
FWHM / FWTM 26.0° / 44.0°  
Efficiency 89 %  
Peak intensity 3.8 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files



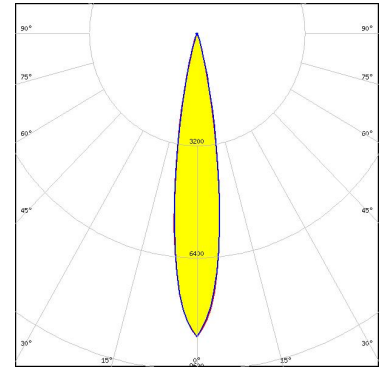
LED XHP50.3 HI  
FWHM / FWTM 20.0° / 35.0°  
Efficiency 89 %  
Peak intensity 6.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:

Light distribution files

### OPTICAL RESULTS (SIMULATED):



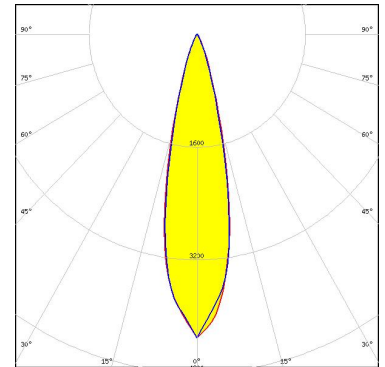
LED XP-G3  
FWHM / FWTM 18.0° / 30.0°  
Efficiency 89 %  
Peak intensity 8.7 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files



LED Duris S8  
FWHM / FWTM 24.0° / 43.0°  
Efficiency 90 %  
Peak intensity 4.3 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:



Light distribution files

### 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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