

### YASMEEN-50-ZOOM

Infinitely adjustable beam from 15 to 45 degrees

#### SPECIFICATION:

|                |        |
|----------------|--------|
| Dimensions     | Ø 49.9 |
| Height         | 29 mm  |
| Fastening      | socket |
| ROHS compliant | yes ⓘ  |

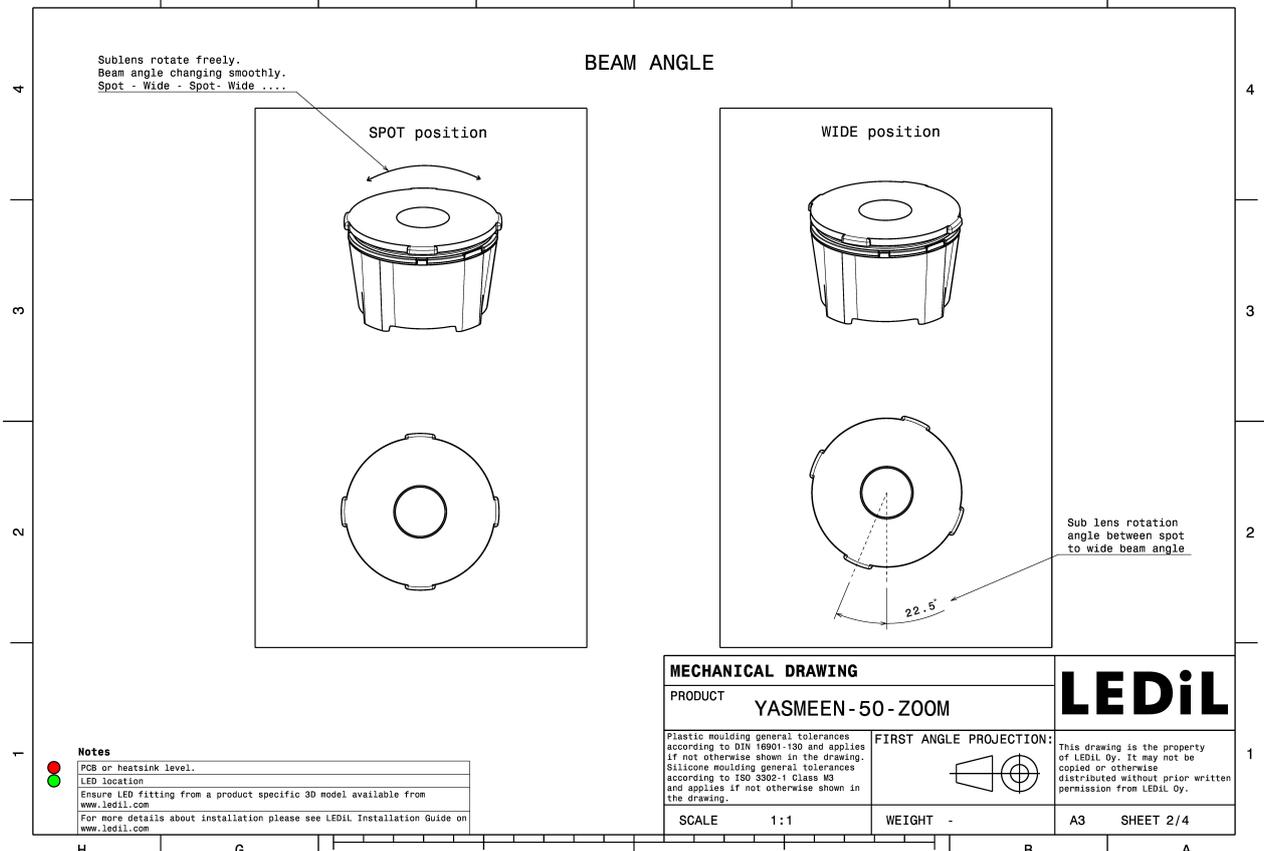
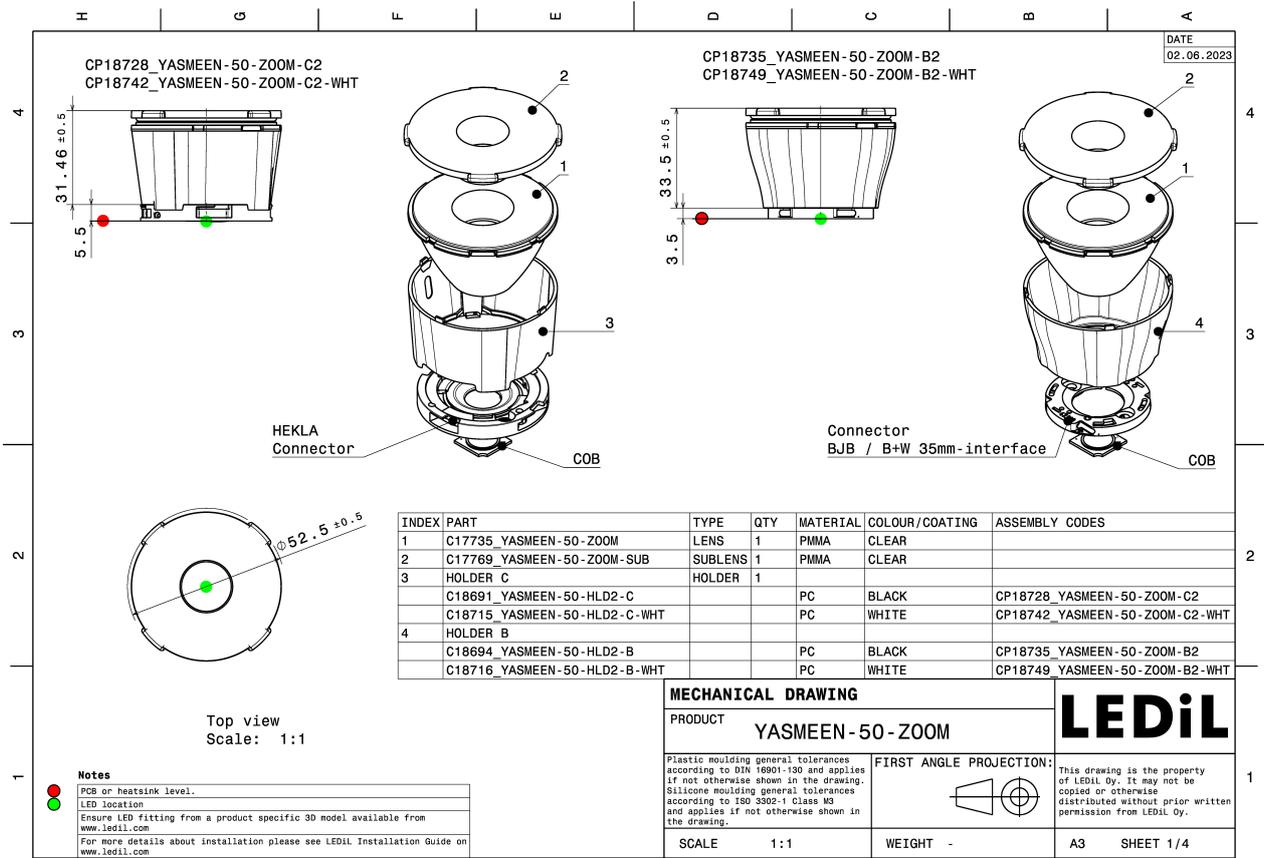
#### MATERIALS:

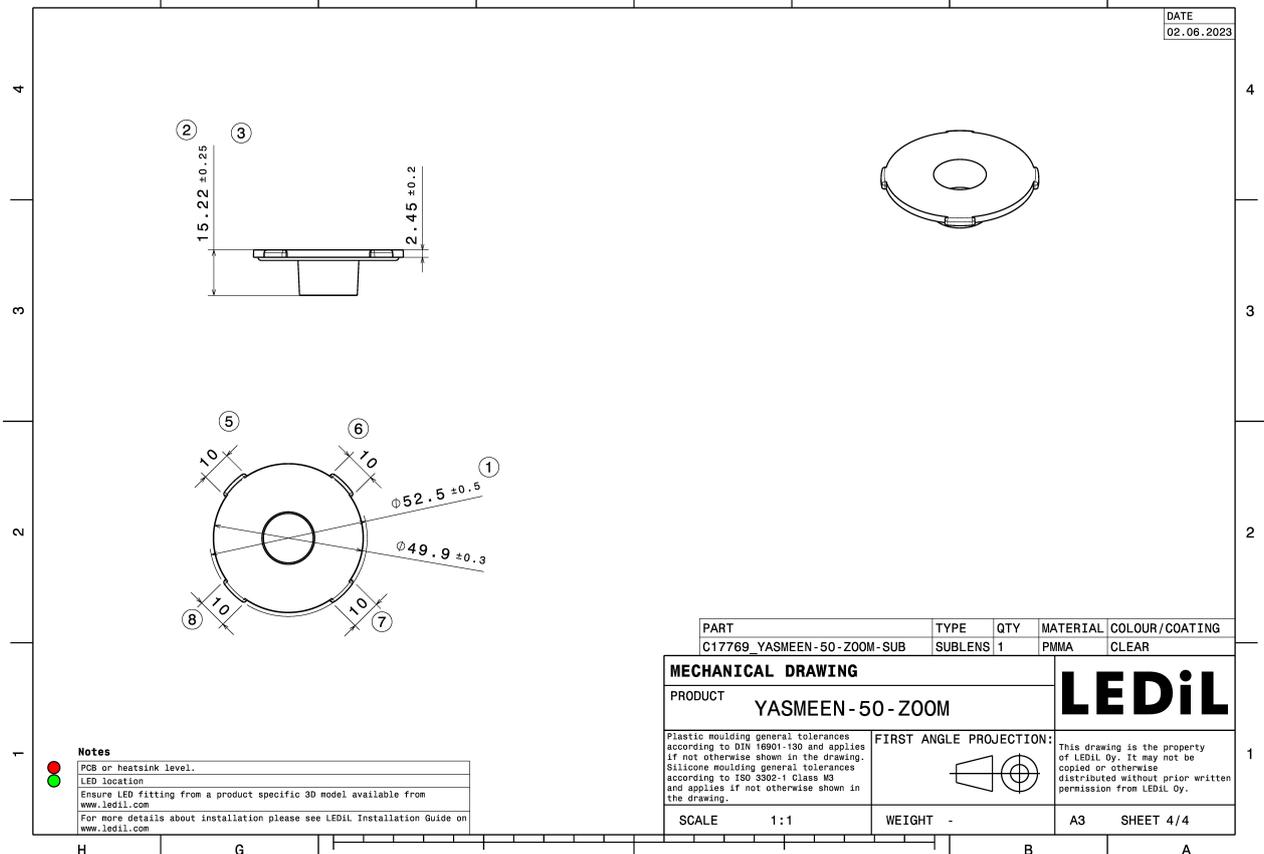
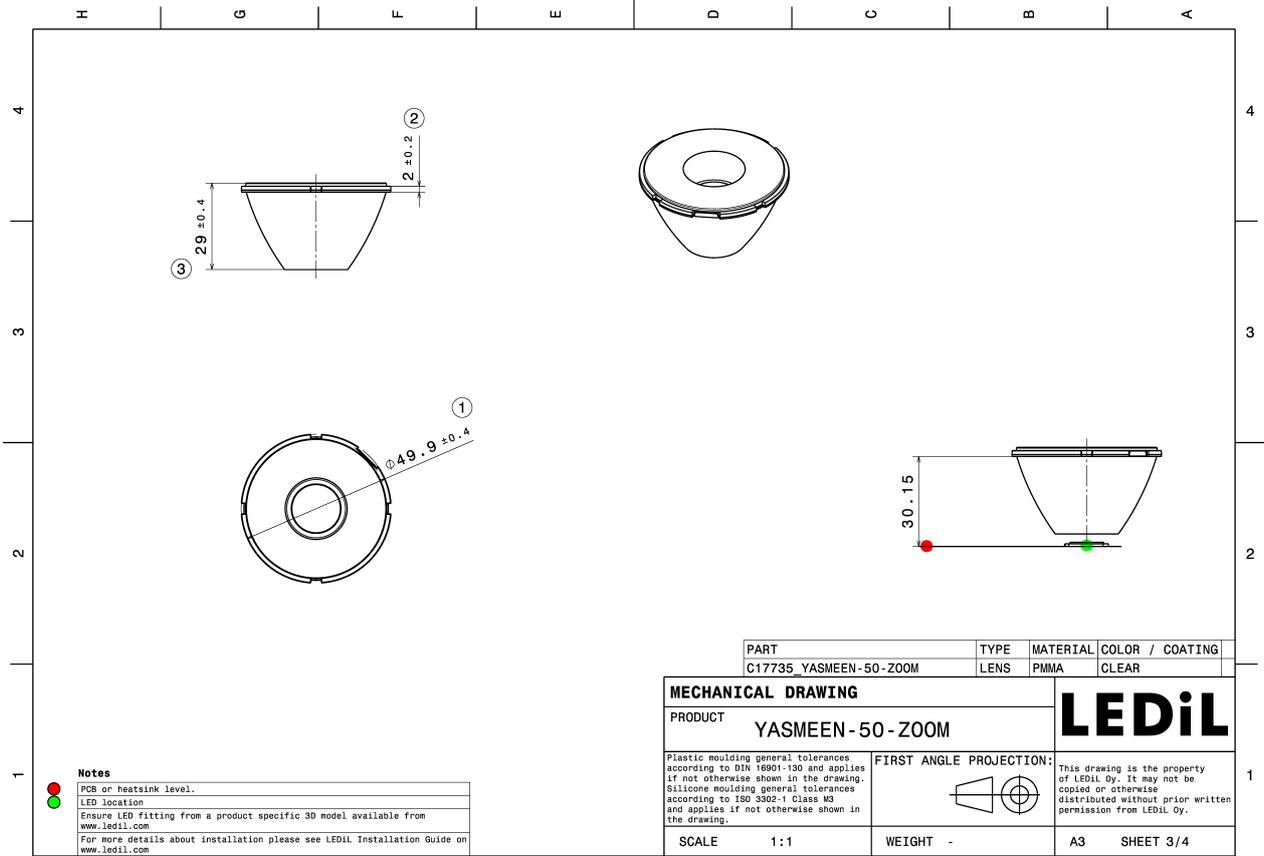
| Component             | Type        | Material | Colour | Finish | Length (mm) |
|-----------------------|-------------|----------|--------|--------|-------------|
| YASMEEN-50-ZOOM       | Single lens | PMMA     |        |        |             |
| YASMEEN-50-ZOOM-SUB   | Sublens     | PMMA     |        |        |             |
| YASMEEN-50-HLD2-C     | Holder C    | PC       | black  |        |             |
| YASMEEN-50-HLD2-B     | Holder B    | PC       | black  |        |             |
| YASMEEN-50-HLD2-C-WHT | Holder C    | PC       | white  |        |             |
| YASMEEN-50-HLD2-B-WHT | Holder B    | PC       | white  |        |             |



### ORDERING INFORMATION:

| Component                      | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|------------|-----|-----|-----------------|
| C17735_YASMEEN-50-ZOOM         | 252        | 112 | 28  | 8.4             |
| C17769_YASMEEN-50-ZOOM-SUB     | 252        | 112 | 28  | 2.9             |
| <b>Assembly</b>                |            |     |     |                 |
| CP18749_YASMEEN-50-ZOOM-B2-WHT | 252        | 112 | 28  | 10.1            |
| CP18742_YASMEEN-50-ZOOM-C2-WHT | 252        | 112 | 28  | 9.9             |
| CP18735_YASMEEN-50-ZOOM-B2     | 252        | 112 | 28  | 10.1            |
| CP18728_YASMEEN-50-ZOOM-C2     | 252        | 112 | 28  | 9.9             |



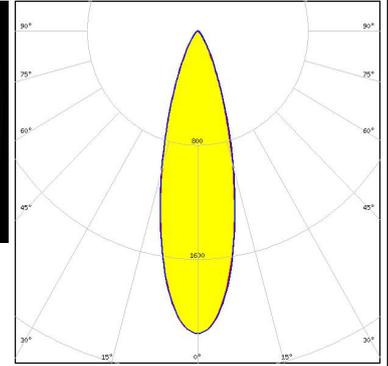


See also our general installation guide: [www.ledil.com/installation\\_guide](http://www.ledil.com/installation_guide)

### OPTICAL RESULTS (MEASURED):



LED CTM-14 (Tunable White) Gen2  
Ordering code CN18729\_YASMEEN-50-ZOOM-C2  
FWHM / FWTM 29.0 + 43.0° / 57.0 + 80.0°  
Efficiency 72 %  
Peak intensity 2.1 cd/lm  
LEDs/each optic 1  
Light colour/type Tunable White  
Required components:  
C16142\_HEKLA-SOCKET-K  
C17769\_YASMEEN-50-ZOOM-SUB  
Bender Wirth: 442 Typ L8

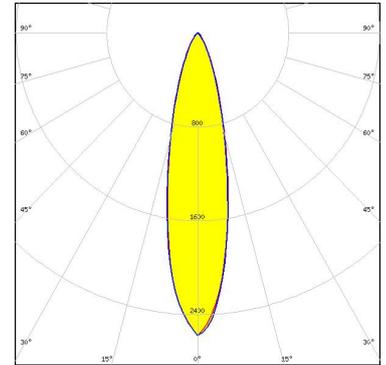


Light distribution files

### OPTICAL RESULTS (SIMULATED):



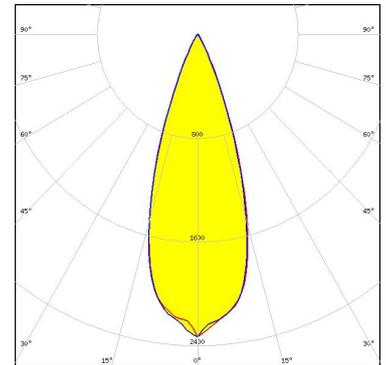
**LED** Vesta SE 13mm TW  
**Ordering code** CP18728\_YASMEEN-50-ZOOM-C2  
**FWHM / FWTM** 24.0 + 44.0° / 52.0 + 83.0°  
**Efficiency** 72 %  
**Peak intensity** 2.6 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** Tunable White  
**Required components:**  
 C16142\_HEKLA-SOCKET-K  
 C17769\_YASMEEN-50-ZOOM-SUB



Light distribution files



**LED** CMA1303  
**Ordering code** CP18735\_YASMEEN-50-ZOOM-B2  
**FWHM / FWTM** 13.0 + 45.0° / 26.0 + 70.0°  
**Efficiency** 85 %  
**Peak intensity** 11.1 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**  
 C17769\_YASMEEN-50-ZOOM-SUB

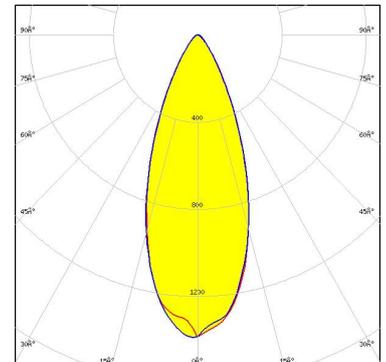


Light distribution files

Bender Wirth: 634c Bayonet35L



**LED** LUXEON CoB 1208  
**Ordering code** CP18728\_YASMEEN-50-ZOOM-C2  
**FWHM / FWTM** 28.0 + 46.0° / 56.0 + 84.0°  
**Efficiency** 78 %  
**Peak intensity** 2.3 cd/lm  
**LEDs/each optic** 1  
**Light colour/type** White  
**Required components:**



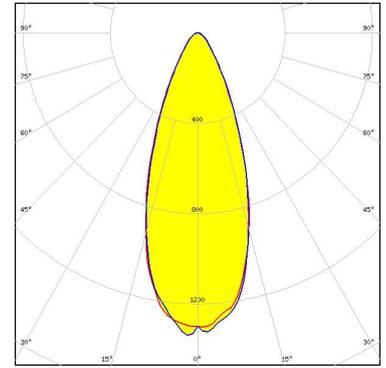
Light distribution files

Bender Wirth: 632a Hekla XL

### OPTICAL RESULTS (SIMULATED):

#### PHILIPS

LED Fortimo SLM L13 CoB  
Ordering code CP18742\_YASMEEN-50-ZOOM-C2-WHT  
FWHM / FWTM 24.0 + 42.0° / 54.0 + 85.0°  
Efficiency 80 %  
Peak intensity 2.6 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17769\_YASMEEN-50-ZOOM-SUB

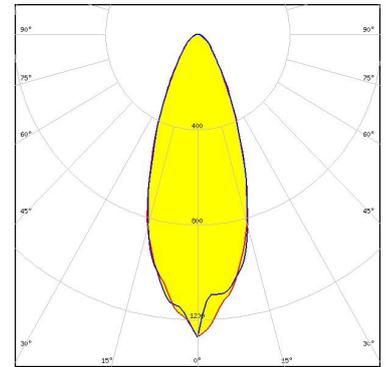


Light distribution files

Bender Wirth: 632a Hekla XL

#### PHILIPS

LED Fortimo SLM L15 CoB  
Ordering code CP18742\_YASMEEN-50-ZOOM-C2-WHT  
FWHM / FWTM 24.0 + 45.0° / 56.0 + 93.0°  
Efficiency 78 %  
Peak intensity 2.4 cd/lm  
LEDs/each optic 1  
Light colour/type White  
Required components:  
C17769\_YASMEEN-50-ZOOM-SUB



Light distribution files

Bender Wirth: 632a Hekla XL

### 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.

Due to use of high power COB's with this product, special attention to proper thermal design is highly recommended. LEDiL has no liability for direct, indirect or consecutive damages arising from the LEDiL products being used outside of the recommended temperature range.

### MATERIALS:

As part of our continuous research and improvement processes, and to ensure the best possible quality and availability of our products, LEDiL reserves the right to change material grades without notice.

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#### LEDiL Oy

Joensuunkatu 7  
FI-24100 SALO  
Finland

#### LEDiL Inc.

228 West Page Street  
Suite D  
Sycamore IL 60178  
USA

#### Ledil Optics Technology (Shenzhen) Co., Ltd.

# 405 , Block B  
Casic Motor Building  
Shenzhen 518057  
P.R.CHINA

#### Local sales and technical support

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