

## FLARE-B

29 x 23 mm lens with ~100° x 10° oval beam.  
Assembly with installation tape.

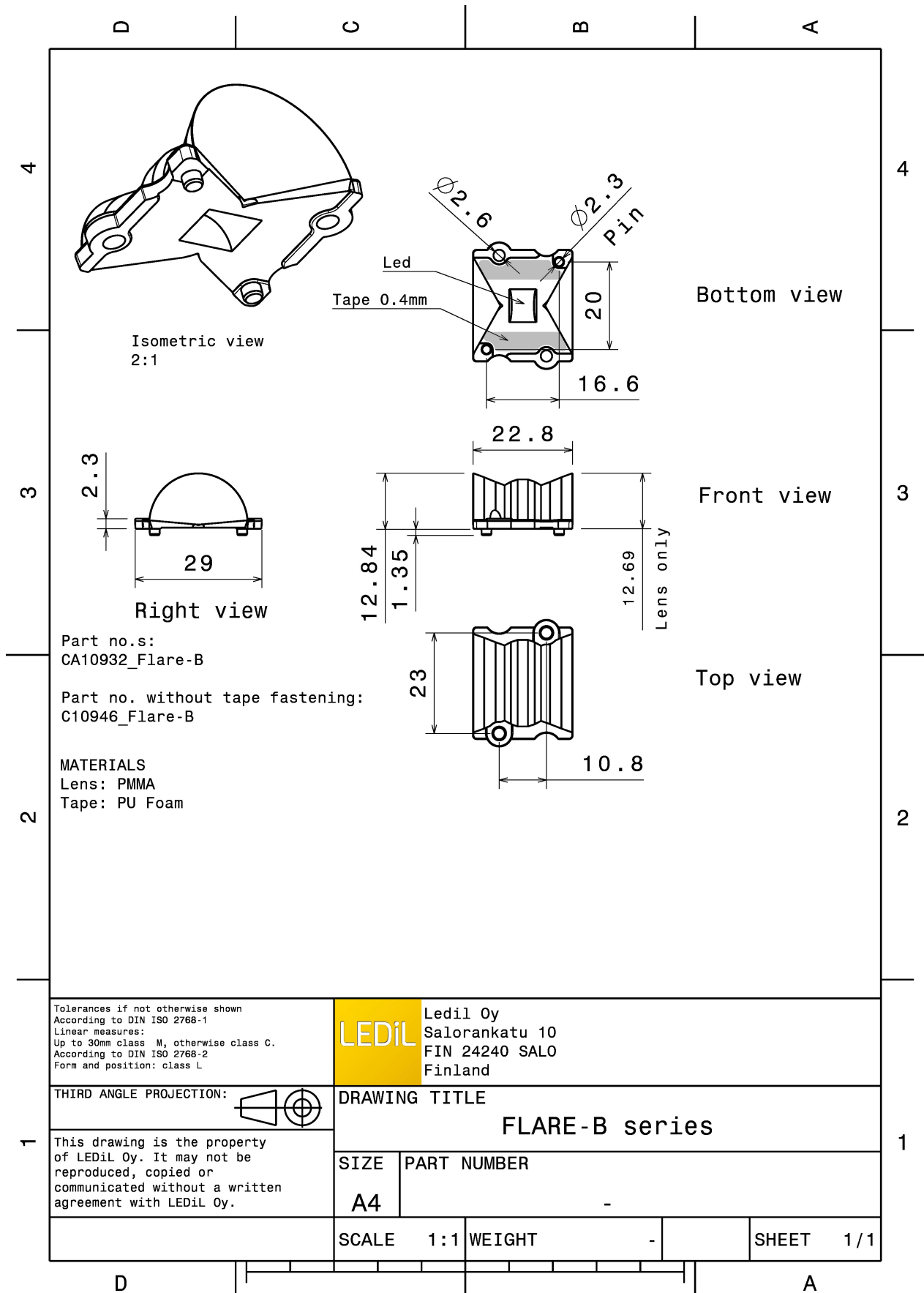
### TECHNICAL SPECIFICATIONS:

|                 |                    |
|-----------------|--------------------|
| Dimensions      | 29 x 22.8 mm       |
| Height          | 12.8 mm            |
| Fastening       | tape, screw        |
| Colour          | clear              |
| Box size        | 476 x 273 x 292 mm |
| Box weight      | 9.8 kg             |
| Quantity in Box | 2448 pcs           |
| ROHS compliant  | yes ⓘ              |



### MATERIAL SPECIFICATIONS:

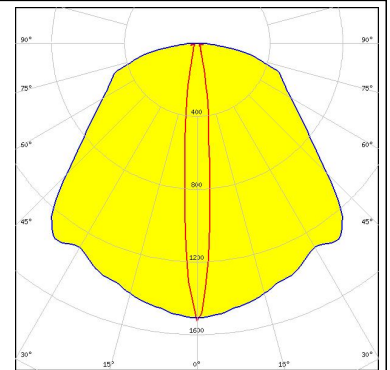
| Component    | Type | Material     | Colour |
|--------------|------|--------------|--------|
| FLARE-B      | Lens | PMMA         | clear  |
| FLARE-B-TAPE | Tape | Acrylic tape | black  |



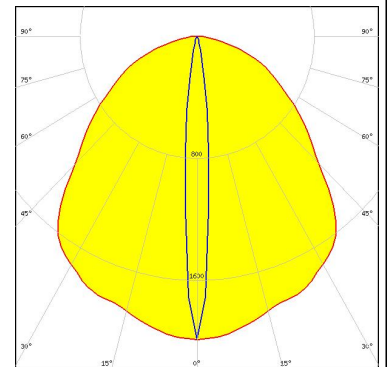
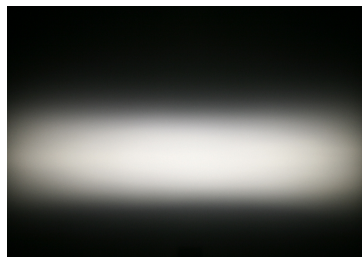
**PHOTOMETRIC DATA (MEASURED):**



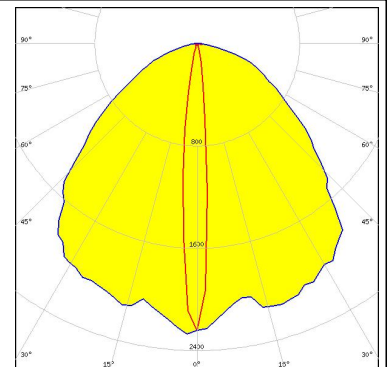
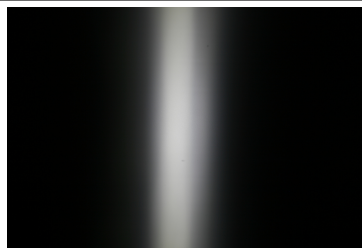
LED XB-D  
FWHM 10.0 + 108.0°  
Efficiency 93 %  
Peak intensity 1.520 cd/lm  
Required components:



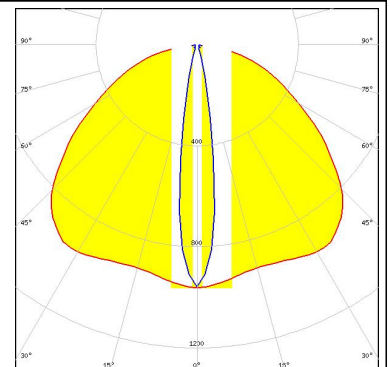
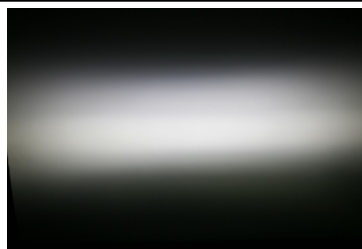
LED XP-E  
FWHM 102.0 + 10.0°  
Efficiency 93 %  
Peak intensity 1.750 cd/lm  
Required components:



LED XP-E2  
FWHM 11.0 + 101.0°  
Efficiency 94 %  
Peak intensity 2.300 cd/lm  
Required components:



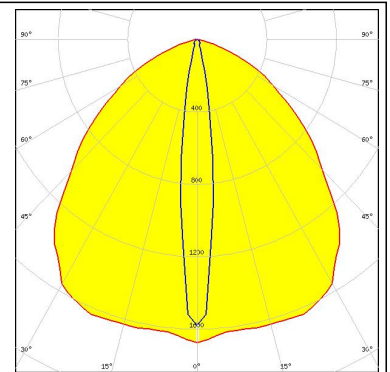
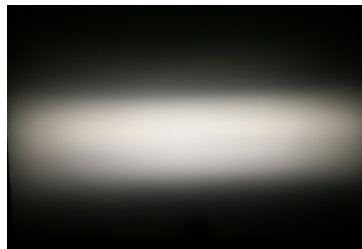
LED XP-G  
FWHM 118.0 + 15.0°  
Efficiency 93 %  
Peak intensity 1.000 cd/lm  
Required components:



**PHOTOMETRIC DATA (MEASURED):**

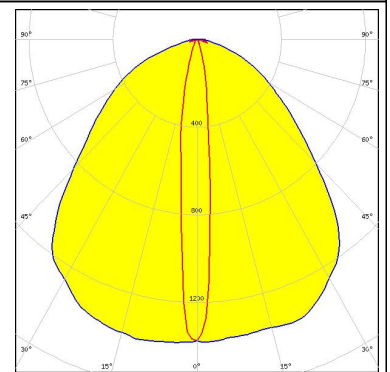
**LUMILEDS**

LED LUXEON Rebel  
FWHM 101.0 + 14.0°  
Efficiency 93 %  
Peak intensity 1.700 cd/lm  
Required components:



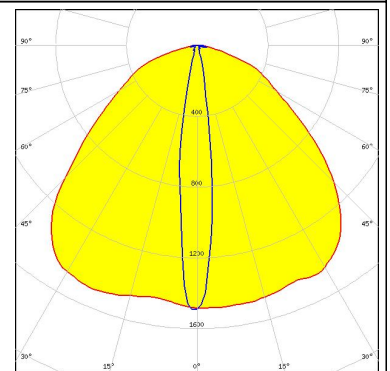
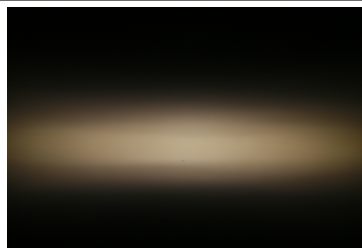
**LUMILEDS**

LED LUXEON Rebel ES  
FWHM 12.0 + 104.0°  
Efficiency 94 %  
Peak intensity 1.370 cd/lm  
Required components:



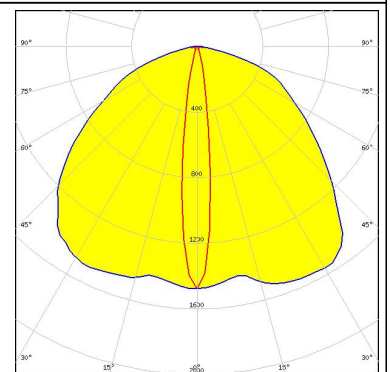
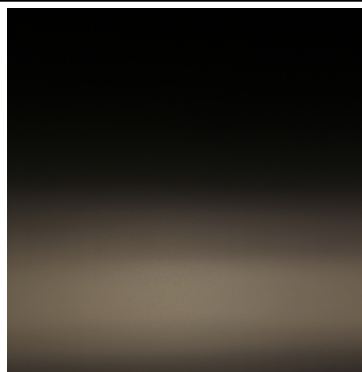
**LUMILEDS**

LED LUXEON T  
FWHM 13.0 + 105.0°  
Efficiency 93 %  
Peak intensity 1.500 cd/lm  
Required components:


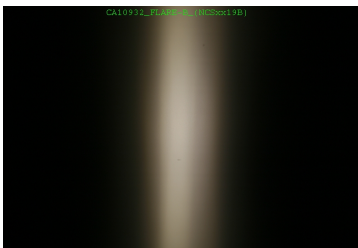
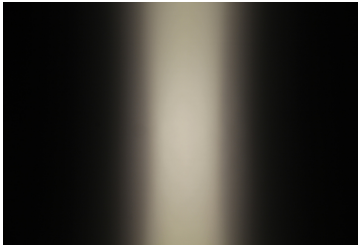
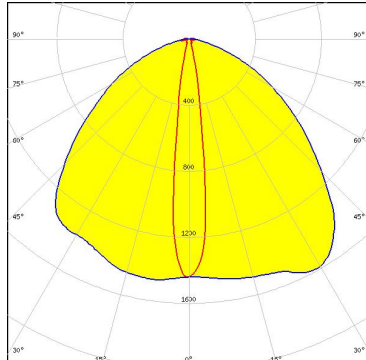



**LUMILEDS**

LED LUXEON TX  
FWHM 14.0 + 114.0°  
Efficiency 93 %  
Peak intensity 1.600 cd/lm  
Required components:



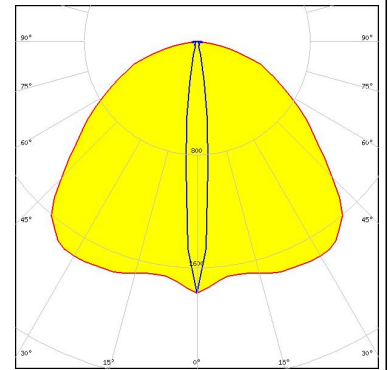
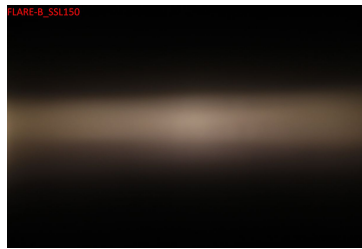
**PHOTOMETRIC DATA (MEASURED):**

|   |  |   |
|---|--|---|
| <p><b>NICHIA</b></p> <p>LED            NCSxx19A<br/> FWHM         9.0 + 88.0°<br/> Efficiency     94 %<br/> Peak intensity 2.040 cd/lm<br/> Required components:</p>                        |    |   |
| <p><b>NICHIA</b></p> <p>LED            NCSxx19B<br/> FWHM         11.0 + 103.0°<br/> Efficiency     94 %<br/> Peak intensity 1.850 cd/lm<br/> Required components:</p>                      |   |   |
| <p><b>NICHIA</b></p> <p>LED            NVSxx19B/NVSxx19C<br/> FWHM         14.0 + 110.0°<br/> Efficiency     96 %<br/> Peak intensity 1.600 cd/lm<br/> Required components:</p>             |  |  |
| <p><b>OSRAM</b><br/>Opto Semiconductors</p> <p>LED            Oslon Square EC<br/> FWHM         12.0 + 104.0°<br/> Efficiency     %<br/> Peak intensity cd/lm<br/> Required components:</p> |  |   |

**PHOTOMETRIC DATA (MEASURED):**

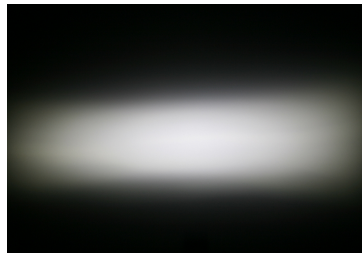
**OSRAM**  
Opto Semiconductors

LED Oslon SSL 150  
FWHM 9.0 + 117.0°  
Efficiency 93 %  
Peak intensity 1.600 cd/lm  
Required components:



**OSRAM**  
Opto Semiconductors

LED Oslon SSL 80  
FWHM 83.0 + 11.0°  
Efficiency 93 %  
Peak intensity 2.200 cd/lm  
Required components:

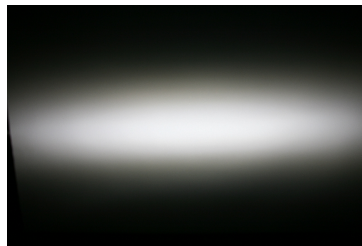


**SEOL**  
SEOUL SEMICONDUCTOR

LED Z5  
FWHM 12.0 + 96.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:

**SHARP**

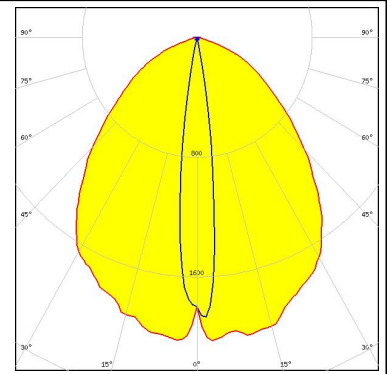
LED Double Dome (GM2BB)  
FWHM 104.0 + 10.0°  
Efficiency %  
Peak intensity cd/lm  
Required components:



## PHOTOMETRIC DATA (SIMULATED):



LED LUXEON H50-2  
FWHM 13.0 + 90.0°  
Efficiency 95 %  
Peak intensity 2.100 cd/lm  
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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