

BILLIE-A

Asymmetric beam for billboards. Assembly with holder and installation tape.

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 21.5 mm |
| Height | 16.1 mm |
| Fastening | tape, pin |
| ROHS compliant | yes ⓘ |

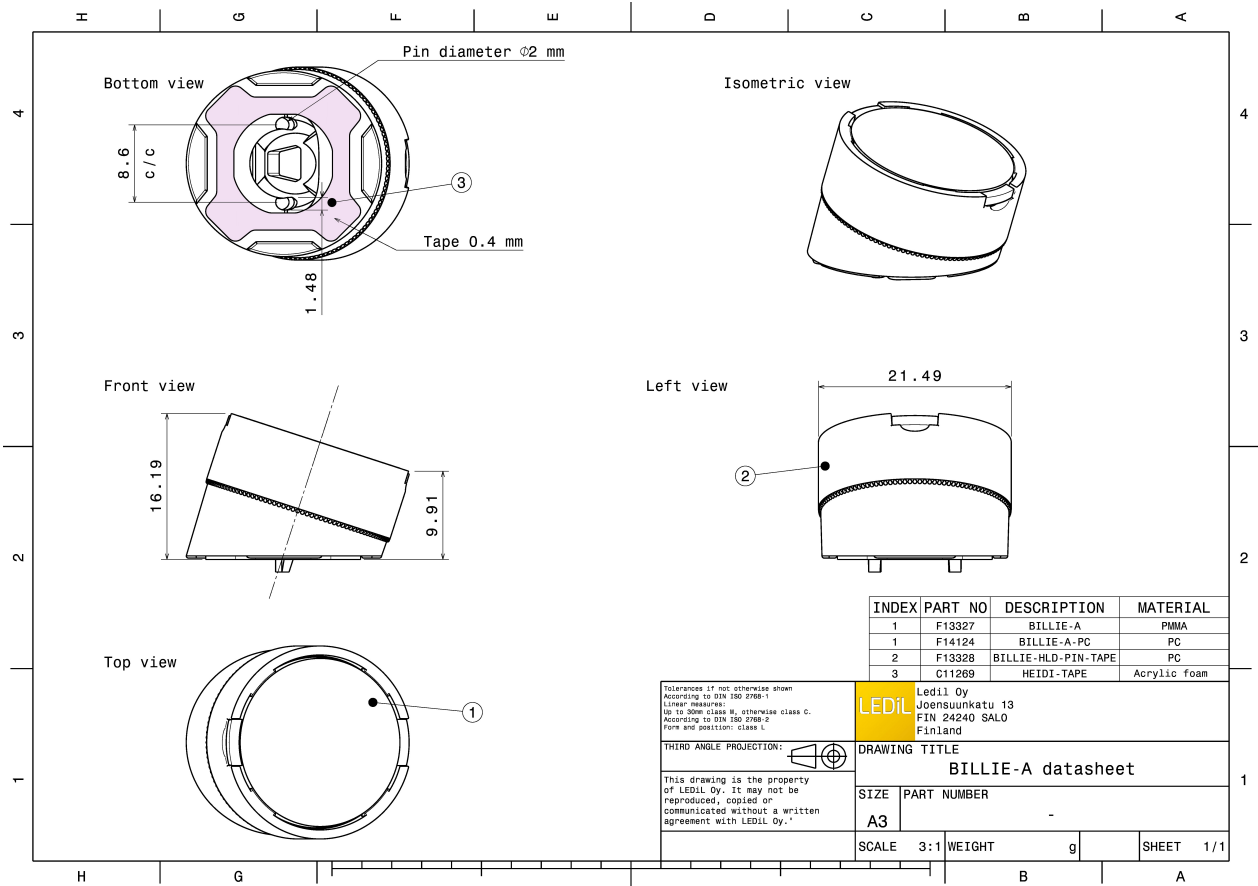
MATERIALS:

| Component | Type | Material | Colour | Finish |
|---------------------|-------------|--------------|--------|--------|
| BILLIE-A | Single lens | PMMA | clear | |
| BILLIE-HLD-PIN-TAPE | Holder | PC | white | |
| HEIDI-TAPE | Tape | Acrylic foam | black | |

ORDERING INFORMATION:


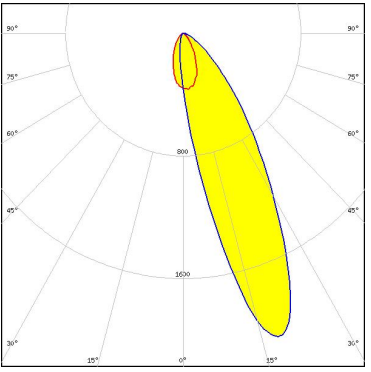

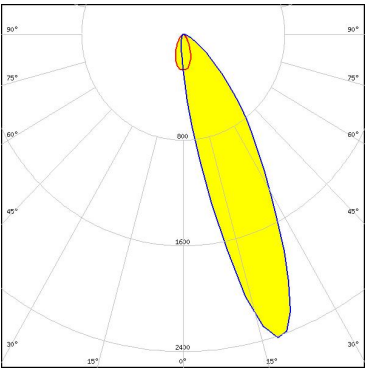

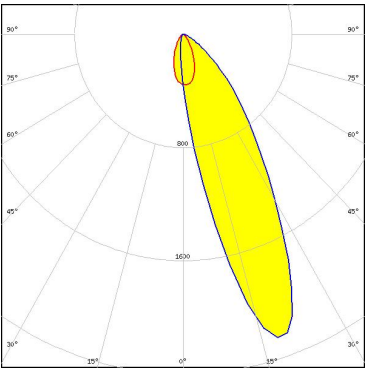

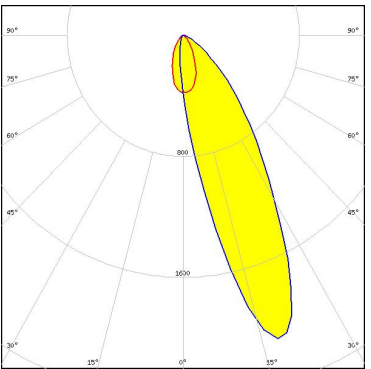
| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|--------------------------------|-------------|------------|-----|-----|-----------------|
| FCA13329_BILLIE-A | Single lens | 1792 | 336 | 112 | 7.7 |
| » Box size: 480 x 280 x 300 mm | | | | | |




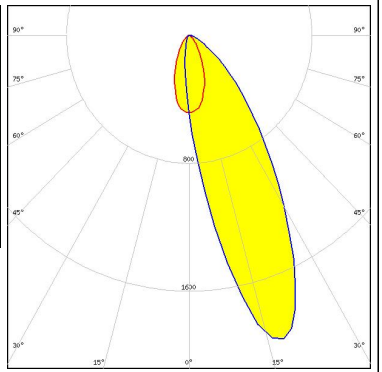
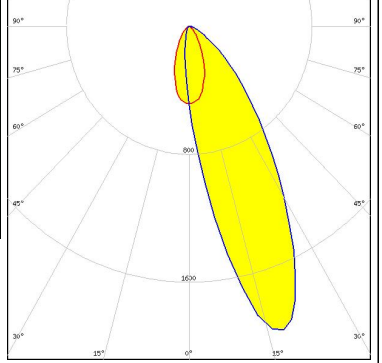
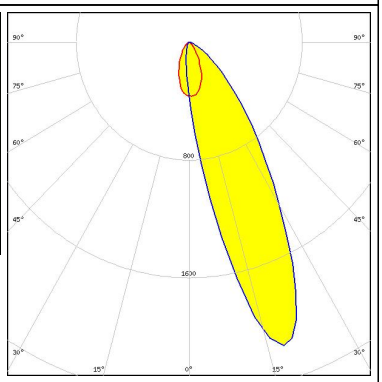

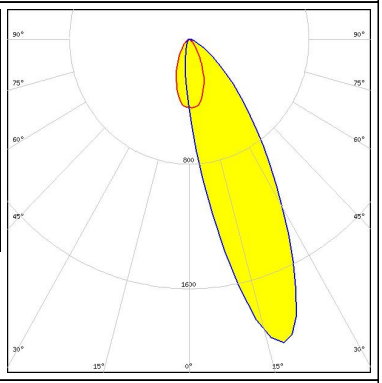

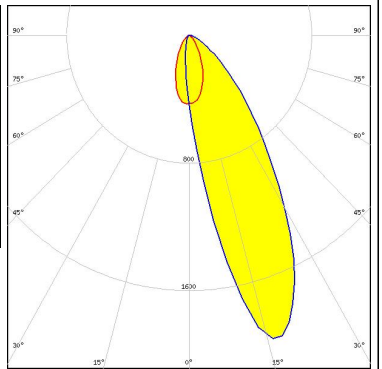
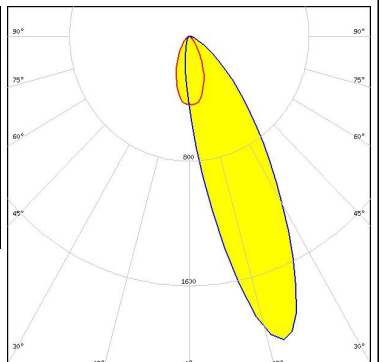

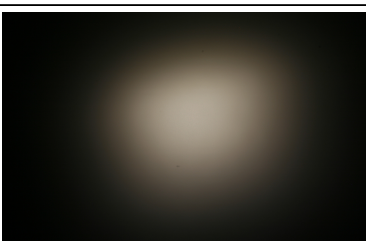
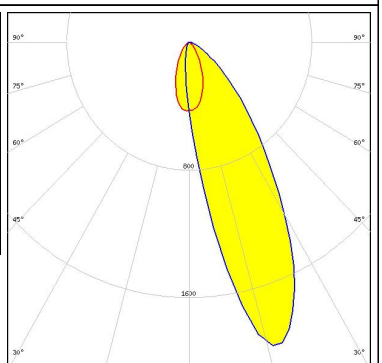


See also our general installation guide: www.ledil.com/installation_guide


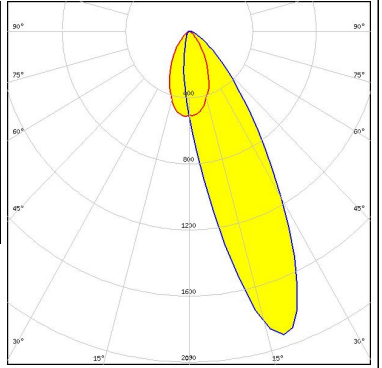

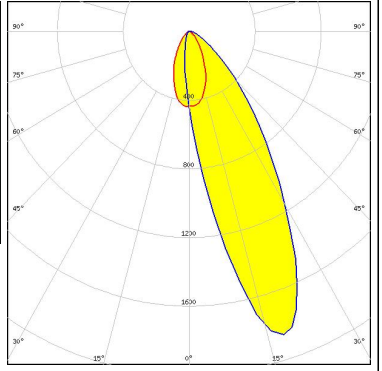
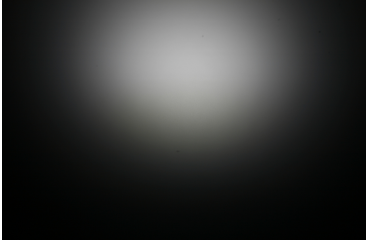
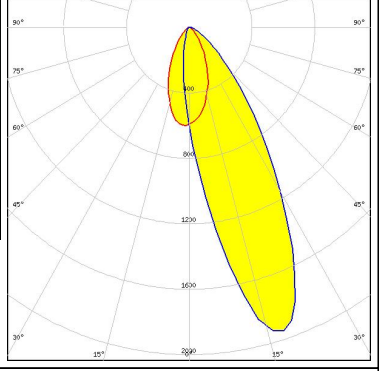

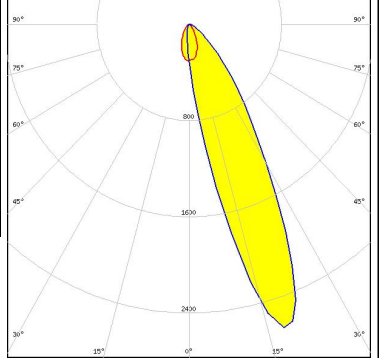
OPTICAL RESULTS (MEASURED):

| | | |
|---|--|---|
| <p>CREE LEDs</p> <p>LED XB-D FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>CREE LEDs</p> <p>LED XP-E FWHM / FWTM Asymmetric Efficiency 89 % Peak intensity 2.4 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>CREE LEDs</p> <p>LED XP-G FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 2.2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>LUMILEDS</p> <p>LED LUXEON A FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 2.1 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |

OPTICAL RESULTS (MEASURED):

| | | | |
|--|--|--|---|
|  | <p>LED LUXEON R</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
|  | <p>LED LUXEON Rebel</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 87 %</p> <p>Peak intensity 2.2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
|  | <p>LED LUXEON Rebel ES</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 88 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |
|  | <p>LED NCSxx19A</p> <p>FWHM / FWTM Asymmetric</p> <p>Efficiency 86 %</p> <p>Peak intensity 2 cd/lm</p> <p>LEDs/each optic 1</p> <p>Light colour White</p> <p>Required components:</p> |  |  |

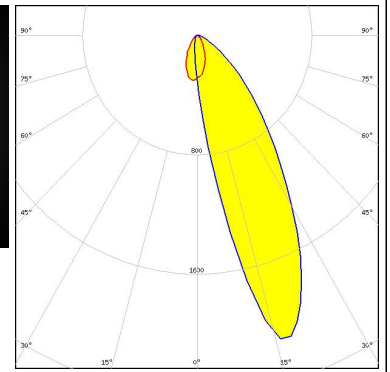
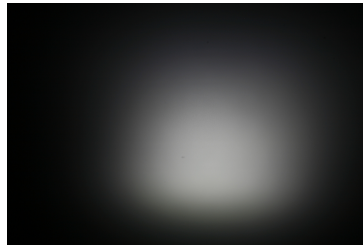
OPTICAL RESULTS (MEASURED):

| | | |
|--|--|---|
| <p>NICHIA</p> <p>LED NF2x757A FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>NICHIA</p> <p>LED NVSxx19A FWHM / FWTM Asymmetric Efficiency 85 % Peak intensity 1.9 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>OSRAM <small>Opto Semiconductors</small></p> <p>LED Duris S5 (2 chip) FWHM / FWTM Asymmetric Efficiency 90 % Peak intensity 2 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |
| <p>OSRAM <small>Opto Semiconductors</small></p> <p>LED OSLON SSL 150 FWHM / FWTM Asymmetric Efficiency 88 % Peak intensity 2.7 cd/lm LEDs/each optic 1 Light colour White Required components:</p> |  |  |

OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

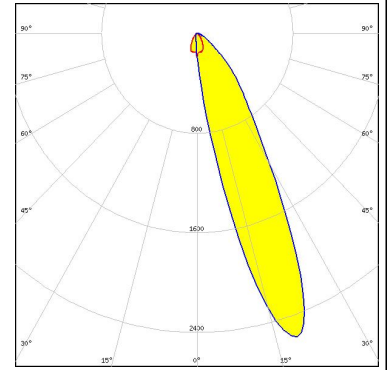
| | |
|----------------------|--------------|
| LED | OSLON SSL 80 |
| FWHM / FWTM | Asymmetric |
| Efficiency | 88 % |
| Peak intensity | 2.1 cd/lm |
| LEDs/each optic | 1 |
| Light colour | White |
| Required components: | |



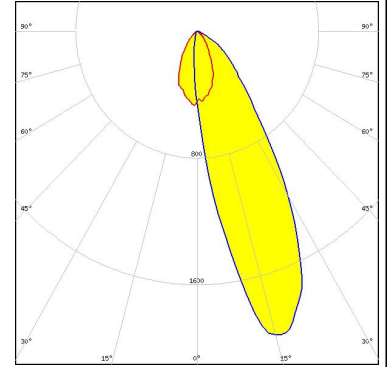
OPTICAL RESULTS (SIMULATED):



LED LUXEON C
 FWHM / FWTM Asymmetric
 Efficiency 90 %
 Peak intensity 2.6 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED NF2x757G
 FWHM / FWTM Asymmetric
 Efficiency 93 %
 Peak intensity 2 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:



LED OSLOM Square EC
 FWHM / FWTM Asymmetric
 Efficiency 86 %
 Peak intensity 2.3 cd/lm
 LEDs/each optic 1
 Light colour White
 Required components:

