

JULIA-A

~90° + 160° wide beam. Assembly with installation tape.

SPECIFICATION:

| | |
|----------------|-----------|
| Dimensions | Ø 18.8 mm |
| Height | 4.8 mm |
| Fastening | tape, pin |
| ROHS compliant | yes ⓘ |

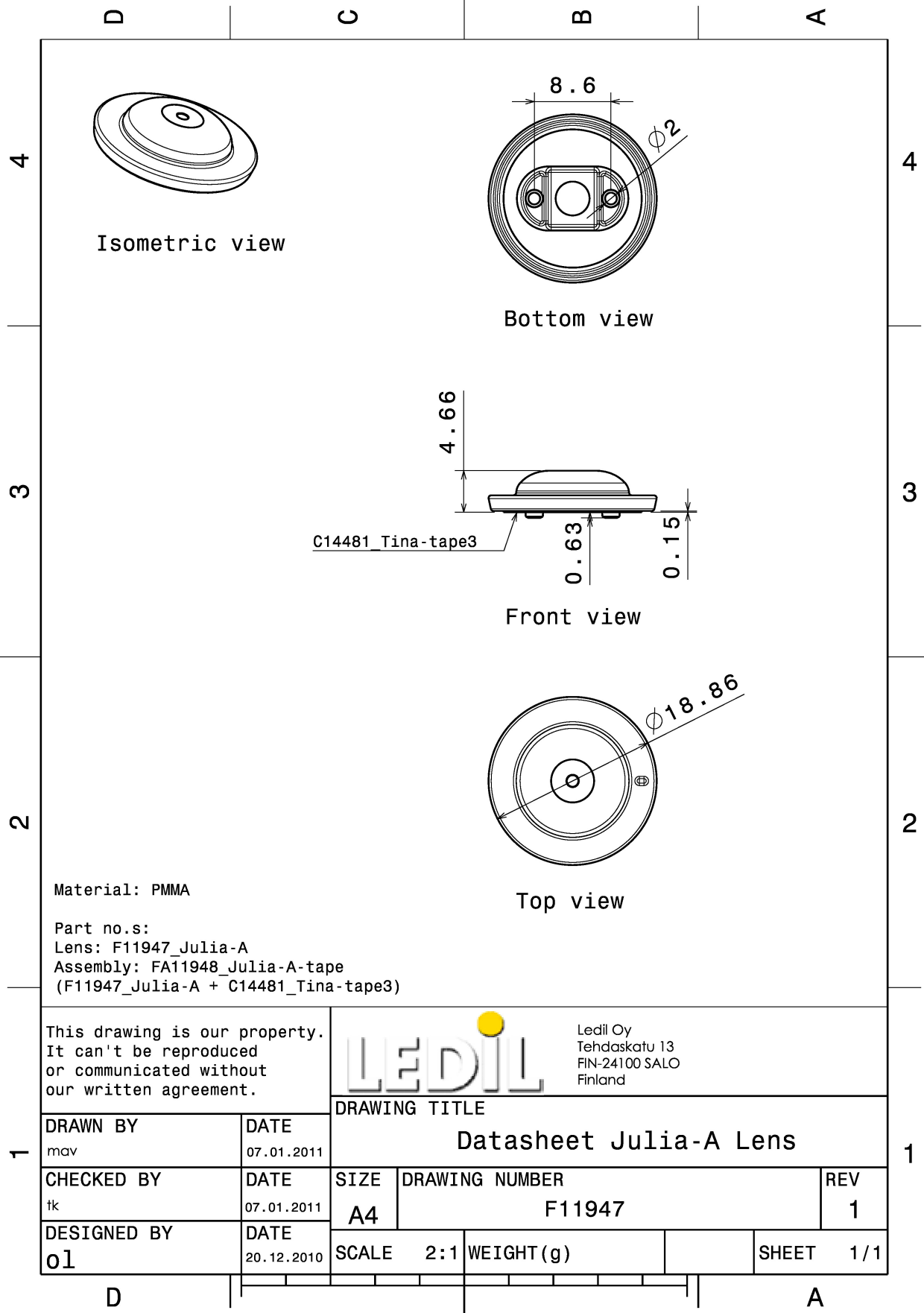


MATERIALS:

| Component | Type | Material | Colour | Finish | Length |
|------------|-------------|--------------|--------|--------|--------|
| JULIA-A | Single lens | PMMA | clear | | 18.9 |
| TINA-TAPE3 | Tape | Acrylic foam | black | | 16.0 |

ORDERING INFORMATION:

| Component | | Qty in box | MOQ | MPQ | Box weight (kg) |
|-----------------|-------------|------------|-----|-----|-----------------|
| FA11948_JULIA-A | Single lens | 2850 | 300 | 150 | 3.7 |
| » Box size: | | | | | |



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

OPTICAL RESULTS (MEASURED):



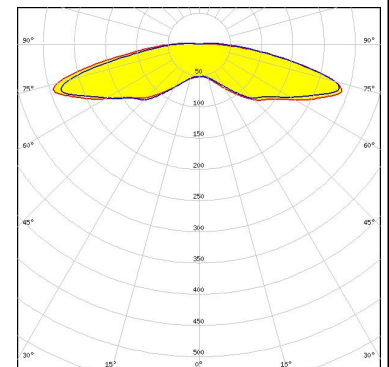
LED XP-E
FWHM / FWTM 164.0°
Efficiency 90 %
Peak intensity 0.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED XP-G
FWHM / FWTM 166.0°
Efficiency 90 %
Peak intensity 0.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED XP-G3
FWHM / FWTM 166.0° / 187.0°
Efficiency 85 %
Peak intensity 0.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

OPTICAL RESULTS (MEASURED):

LUMILEDS

| | |
|----------------------|--------------|
| LED | LUXEON Rebel |
| FWHM / FWTM | 154.0° |
| Efficiency | 90 % |
| Peak intensity | 0.3 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

LUMILEDS

| | |
|----------------------|-----------------|
| LED | LUXEON Rebel ES |
| FWHM / FWTM | 163.0° |
| Efficiency | 90 % |
| Peak intensity | 0.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

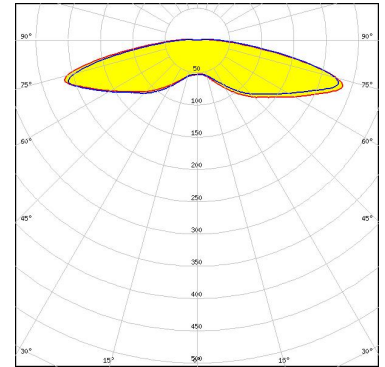
NICHIA

| | |
|----------------------|-----------|
| LED | NCSxx19A |
| FWHM / FWTM | 156.0° |
| Efficiency | 90 % |
| Peak intensity | 0.2 cd/lm |
| LEDs/each optic | 1 |
| Light colour/type | White |
| Required components: | |

OPTICAL RESULTS (MEASURED):



LED NVSW219F
FWHM / FWTM 166.0° / 186.0°
Efficiency 82 %
Peak intensity 0.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



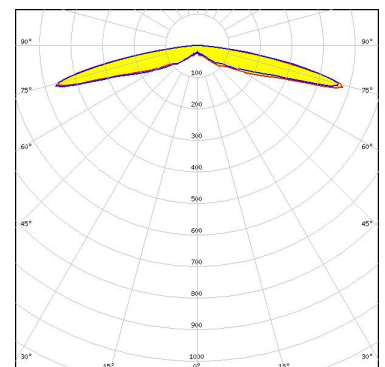
Light distribution files



LED NVSxx19A
FWHM / FWTM 159.0°
Efficiency 90 %
Peak intensity 0.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



LED OSLOM SSL 150
FWHM / FWTM 159.0°
Efficiency 90 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files

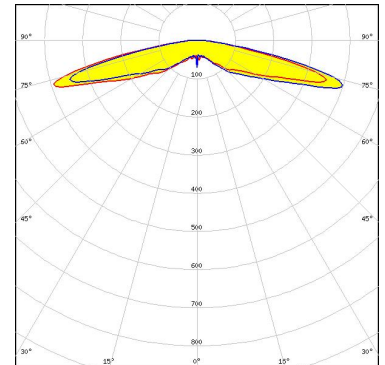
OPTICAL RESULTS (MEASURED):

OSRAM
Opto Semiconductors

LED OSLON SSL 80
FWHM / FWTM 158.0°
Efficiency 90 %
Peak intensity 0.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

SEOL
SEOUL SEMICONDUCTOR

LED Z5
FWHM / FWTM 160.0°
Efficiency 86 %
Peak intensity 0.2 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

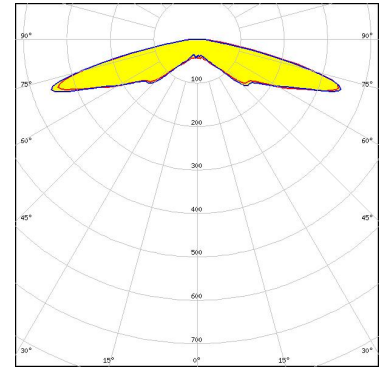


Light distribution files

OPTICAL RESULTS (SIMULATED):



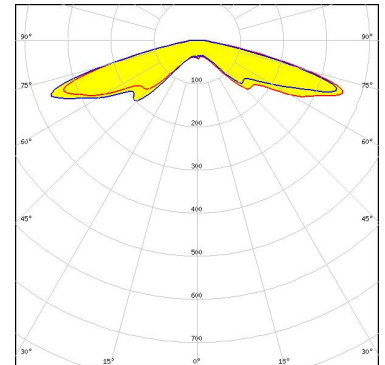
LED J Series 2835
FWHM / FWTM 155.0° / 169.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



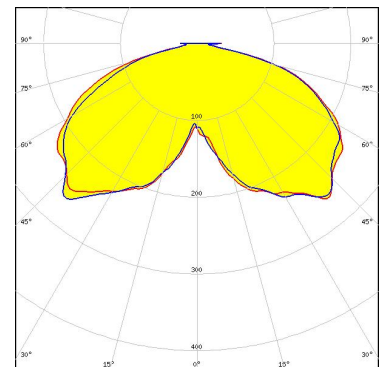
LED J Series 3030
FWHM / FWTM 153.0° / 166.0°
Efficiency 93 %
Peak intensity 0.4 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



LED XE-G
FWHM / FWTM 141.0° / 169.0°
Efficiency 97 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

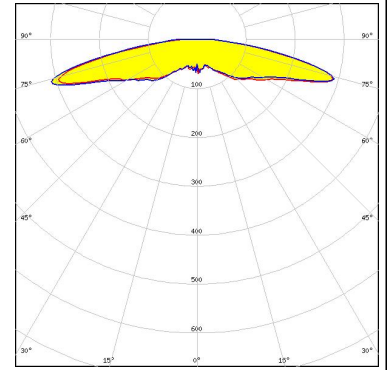


Light distribution files

OPTICAL RESULTS (SIMULATED):



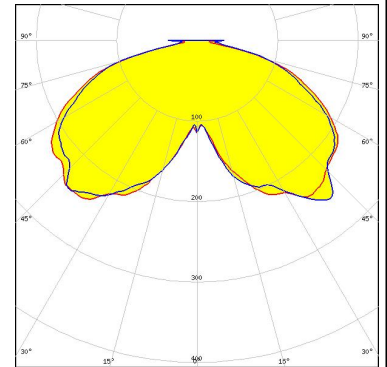
LED XP-G2 HE
FWHM / FWTM 162.0° / 180.0°
Efficiency 89 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:



Light distribution files



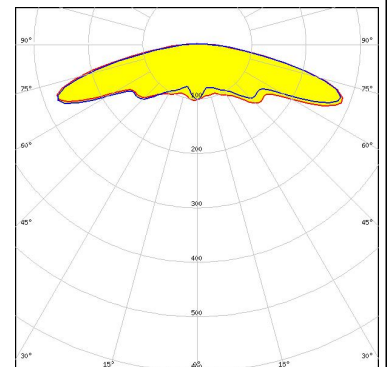
LED LUXEON IR Compact
FWHM / FWTM 141.0° / 167.0°
Efficiency 97 %
LEDs/each optic 1
Light colour/type IR
Required components:



Light distribution files



LED LH351C
FWHM / FWTM 158.0° / 176.0°
Efficiency 95 %
Peak intensity 0.3 cd/lm
LEDs/each optic 1
Light colour/type White
Required components:

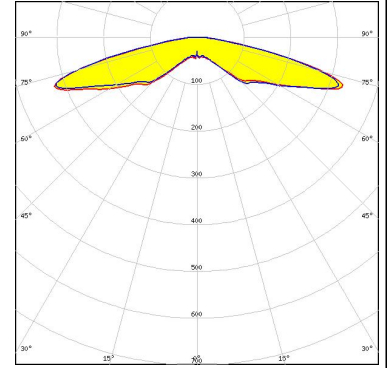


Light distribution files

OPTICAL RESULTS (SIMULATED):

SAMSUNG

| | |
|----------------------|-----------------|
| LED | LM301B |
| FWHM / FWTM | 156.0° / 172.0° |
| Efficiency | 90 % |
| Peak intensity | 0.3 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:

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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